

# 2015 Pacific Northwest Loads and Resources Study

## Technical Appendix, Volume 1: Energy Analysis

January 2016





**2015 PACIFIC NORTHWEST LOADS AND RESOURCES STUDY**  
***The White Book***

**TECHNICAL APPENDIX**

**Volume 1**

**Energy Analysis**

**BONNEVILLE POWER ADMINISTRATION**  
**January 2016**

***Cover Picture:***

Columbia Generating Station.  
Source: Energy Northwest

The Columbia Generating Station (CGS) nuclear facility is the third largest electricity generator in Washington, behind Grand Coulee and Chief Joseph dams. CGS (formerly named WNP-2 until April 27, 2000) is the only commercial nuclear energy facility in the region. Columbia Generating Station is operated by Energy Northwest, BPA is contracted to sell and distribute the power generated. CGS began delivering power to the region in 1984, and is located north of Richland Washington on the Department of Energy's (DOE's) Hanford Nuclear Reservation. The plant uses water from the Columbia River for cooling.

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# ACKNOWLEDGMENTS

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

## **Bonneville Power Administration**

### **Generation Asset Management:**

Long Term Power Planning Group  
Regional Coordination Group  
Operational Planning Group

### **Customer Support Services:**

Load Forecasting and Analysis Group

### **Bulk Marketing and Transmission Services:**

Long Term Sales and Purchasing Group

### **NW Requirements Marketing:**

### **Office of General Counsel**

### **Power Services Business Operations**

## **Pacific Northwest Utilities Conference Committee**

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



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# **Section 1: Annual Energy Operating Year 2017 to 2026**

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***Exhibit 1***  
***Federal Report Surplus Deficit***

***Annual Energy***  
***Operating Year 2017 to 2026***  
***Using 1937-Water Conditions***

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**Loads and Resources - Federal System**  
**Operating Year: 2017 to 2026 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

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Energy-aMW	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
<b>Firm Obligations</b>										
<b>1 Load Following</b>	3460	3485	3515	3514	3522	3524	3536	3546	3567	3581
2 Preference Customers	3158	3180	3193	3179	3186	3188	3199	3209	3230	3243
3 Federal Agencies	118	121	139	151	152	152	153	153	154	154
4 USBR	184	184	184	183	184	184	184	183	184	184
5 Federal Diversity	0	0	0	0	0	0	0	0	0	0
<b>6 Tier 1 Block</b>	23.1	25.5	25.5	26.3	25.7	26.0	26.5	25.7	25.6	25.3
7 Tier 1 Block	23.1	25.5	25.5	26.3	25.7	26.0	26.5	25.7	25.6	25.3
<b>8 Slice</b>	3635	3661	3638	3681	3674	3686	3674	3677	3682	3681
9 Slice Block	1812	1816	1835	1822	1856	1829	1858	1818	1864	1818
10 Slice Output from T1 System	1823	1845	1804	1859	1817	1857	1816	1859	1818	1863
<b>11 Direct Service Industries</b>	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
12 DSI	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
<b>13 Contract Deliveries</b>	624	573	548	486	478	472	467	463	459	456
14 Exports	519	513	489	471	466	461	456	452	449	445
15 Intra-Regional Transfers (Out)	105	59.9	59.9	15.1	11.9	10.7	10.7	10.7	10.7	10.7
<b>16 Total Firm Obligations</b>	<b>7833</b>	<b>7835</b>	<b>7819</b>	<b>7798</b>	<b>7790</b>	<b>7799</b>	<b>7795</b>	<b>7803</b>	<b>7825</b>	<b>7834</b>
<b>Net Resources</b>										
<b>17 Hydro Resources</b>	6711	6634	6633	6631	6628	6616	6614	6613	6614	6614
18 Regulated Hydro - Net	6355	6278	6276	6275	6271	6271	6271	6271	6271	6271
19 Independent Hydro - Net	354	354	354	353	354	342	340	339	340	340
20 Small Hydro - Net	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
<b>21 Other Resources</b>	976	1135	976	1135	972	1130	971	1130	971	1130
22 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0
23 Combustion Turbines	0	0	0	0	0	0	0	0	0	0
24 Large Thermal Resources	916	1075	916	1075	916	1075	916	1075	916	1075
25 Renewable Resources	59.7	59.7	59.7	59.6	56.0	55.3	55.3	55.2	55.3	55.3
26 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0
<b>27 Contract Purchases</b>	402	411	354	279	256	172	172	173	172	173
28 Imports	89.9	89.9	89.9	90.0	84.5	1.00	1.00	1.00	1.00	1.00
29 Intra-Regional Transfers (In)	141	149	92.8	17.4	0.73	0	0	0	0	0
30 Non-Federal CER	137	137	137	137	137	136	137	137	137	137
31 Slice Transmission Loss Return	34.6	35.1	34.3	35.3	34.5	35.3	34.5	35.3	34.6	35.4
32 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0
<b>33 Reserves &amp; Losses</b>	-240	-243	-236	-239	-233	-235	-230	-235	-230	-235
34 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0
35 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0
36 Load Following Reserves	0	0	0	0	0	0	0	0	0	0
37 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0
38 Transmission Losses	-240	-243	-236	-239	-233	-235	-230	-235	-230	-235
<b>39 Total Net Resources</b>	<b>7849</b>	<b>7937</b>	<b>7726</b>	<b>7806</b>	<b>7623</b>	<b>7684</b>	<b>7527</b>	<b>7681</b>	<b>7527</b>	<b>7682</b>
<b>40 Total Surplus/Deficit</b>	<b>16</b>	<b>102</b>	<b>-93</b>	<b>7</b>	<b>-167</b>	<b>-116</b>	<b>-268</b>	<b>-121</b>	<b>-298</b>	<b>-152</b>

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***Exhibit 2***  
***Regional Report Surplus Deficit***

***Annual Energy***  
***Operating Year 2017 to 2026***  
***Using 1937-Water Conditions***

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**Loads and Resources - Pacific Northwest Region**

**Operating Year: 2017 to 2026 Water Year: 1937**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
<b>Regional Loads</b>										
<b>1 Retail Loads</b>	22461	22793	23090	23363	23675	23951	24250	24502	24749	24990
2 Federal Agency	128	131	149	161	162	162	163	163	164	164
3 USBR	184	184	184	183	184	184	184	183	184	184
4 Cooperative	1968	1991	2015	2041	2078	2111	2144	2169	2190	2205
5 Municipality	2731	2767	2793	2812	2829	2842	2854	2864	2874	2886
6 Public Utility District	4546	4617	4663	4696	4734	4771	4804	4827	4855	4876
7 Investor-Owned Utility	12206	12406	12588	12772	12954	13139	13324	13512	13698	13890
8 Marketer	252	252	252	252	252	252	252	252	252	252
9 Direct-Service Industry	445	445	445	445	482	489	525	533	533	533
10 Federal Diversity	0	0	0	0	0	0	0	0	0	0
<b>11 Exports</b>	1333	1303	1269	1249	1245	1146	1109	1069	1064	1061
12 Canada	479	481	476	471	466	461	456	452	449	445
13 East Continental Divide	13.2	6.80	2.46	1.00	1.00	1.00	1.00	1.00	1.00	1.00
14 Inland Southwest	21.3	19.6	15.0	14.9	15.0	15.0	15.0	14.9	15.0	15.0
15 Pacific Southwest	819	795	776	762	763	669	636	601	600	600
16 Other	0	0	0	0	0	0	0	0	0	0
<b>17 Total Regional Loads</b>	<b>23794</b>	<b>24096</b>	<b>24359</b>	<b>24612</b>	<b>24919</b>	<b>25097</b>	<b>25359</b>	<b>25571</b>	<b>25813</b>	<b>26051</b>
<b>Regional Resources</b>										
<b>18 Hydro Resources</b>	11960	11883	11880	11877	11852	11841	11841	11837	11841	11841
19 Regulated Hydro - Net	10662	10585	10584	10580	10579	10579	10579	10577	10579	10579
20 Independent Hydro - Net	1053	1053	1053	1052	1027	1017	1017	1016	1017	1017
21 Small Hydro - Net	245	245	244	244	245	245	245	245	245	245
<b>22 Other Resources</b>	16429	16707	16474	16608	15911	15468	15241	15467	15235	14908
23 Cogeneration Resources	2396	2403	2385	2398	2402	2384	2398	2404	2384	2398
24 Combustion Turbine Resources	5885	5882	5881	5883	5886	5884	5844	5842	5841	5840
25 Large Thermal Resources	6004	6270	6056	6176	5470	5047	4848	5071	4857	4518
26 Renewable Resources	2109	2115	2116	2115	2117	2116	2116	2115	2117	2116
27 Small Thermal & Miscellaneous	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
<b>28 Imports</b>	664	667	658	662	660	580	584	588	591	595
29 Canada	38.9	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
30 East of Continental Divide	0	0	0	0	0	0	0	0	0	0
31 Inland Southwest	476	480	484	487	491	494	498	502	506	509
32 Pacific Southwest	148	148	136	136	131	47.1	47.1	47.1	47.1	47.1
33 Other	0	0	0	0	0	0	0	0	0	0
<b>34 Reserves &amp; Losses</b>	-863	-869	-862	-866	-844	-828	-822	-828	-822	-812
35 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0
36 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0
37 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0
38 Load Following Reserves	0	0	0	0	0	0	0	0	0	0
39 Transmission Losses	-863	-869	-862	-866	-844	-828	-822	-828	-822	-812
<b>40 Total Regional Resources</b>	<b>28191</b>	<b>28389</b>	<b>28151</b>	<b>28281</b>	<b>27579</b>	<b>27061</b>	<b>26845</b>	<b>27064</b>	<b>26845</b>	<b>26532</b>
<b>41 Total Surplus/Deficit</b>	<b>4397</b>	<b>4293</b>	<b>3792</b>	<b>3669</b>	<b>2659</b>	<b>1964</b>	<b>1486</b>	<b>1493</b>	<b>1032</b>	<b>481</b>

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***Exhibit 3***  
***Table A-1: Regional Total Retail Loads***

***Annual Energy***  
***Operating Year 2017 to 2026***  
***Using 1937-Water Conditions***

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**Table A-1: Regional: Total Retail Loads**  
**Operating Year 2017 to 2026**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
<b>Firm Loads</b>										
1 Federal Agency	128	131	149	161	162	162	163	163	164	164
2 USBR	184	184	184	183	184	184	184	183	184	184
3 Cooperative	1968	1991	2015	2041	2078	2111	2144	2169	2190	2205
4 Municipality	2731	2767	2793	2812	2829	2842	2854	2864	2874	2886
5 Public Utility District	4536	4606	4652	4685	4723	4761	4793	4816	4844	4865
6 Investor-Owned Utility	12206	12406	12588	12772	12954	13139	13324	13512	13698	13890
7 Marketer	252	252	252	252	252	252	252	252	252	252
8 Direct-Service Industry	445	445	445	445	482	489	525	533	533	533
<b>9 Total Firm Loads</b>	<b>22450</b>	<b>22782</b>	<b>23079</b>	<b>23352</b>	<b>23664</b>	<b>23940</b>	<b>24239</b>	<b>24491</b>	<b>24738</b>	<b>24979</b>
<b>Non-Firm Loads</b>										
10 Public Utility District	10.6	10.6	10.6	10.7	10.7	10.7	10.7	10.7	10.7	10.7
<b>11 Total Non-Firm Loads</b>	<b>10.6</b>	<b>10.6</b>	<b>10.6</b>	<b>10.7</b>	<b>10.7</b>	<b>10.7</b>	<b>10.7</b>	<b>10.7</b>	<b>10.7</b>	<b>10.7</b>
<b>Total Regional Loads (Firm+Non-Firm)</b>										
12 Federal Agency	128	131	149	161	162	162	163	163	164	164
13 USBR	184	184	184	183	184	184	184	183	184	184
14 Cooperative	1968	1991	2015	2041	2078	2111	2144	2169	2190	2205
15 Municipality	2731	2767	2793	2812	2829	2842	2854	2864	2874	2886
16 Public Utility District	4546	4617	4663	4696	4734	4771	4804	4827	4855	4876
17 Investor-Owned Utility	12206	12406	12588	12772	12954	13139	13324	13512	13698	13890
18 Marketer	252	252	252	252	252	252	252	252	252	252
19 Direct-Service Industry	445	445	445	445	482	489	525	533	533	533
<b>20 Total Loads</b>	<b>22461</b>	<b>22793</b>	<b>23090</b>	<b>23363</b>	<b>23675</b>	<b>23951</b>	<b>24250</b>	<b>24502</b>	<b>24749</b>	<b>24990</b>

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***Exhibit 4***  
***Table A-2: Regional Exports***

***Annual Energy***  
***Operating Year 2017 to 2026***  
***Using 1937-Water Conditions***

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**Table A-2: Regional Exports**  
**Operating Year 2017 to 2017**  
**2015 White Book** Report Date: 6/30/2015  
S129-WB-20151029-154000

Energy-aMW	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
<b>Canada</b>										
<b>Contracts</b>										
1 BPA-P to BCHP Trty CEA	468	469	464	459	454	449	445	440	437	433
2 BPA-P to BCHP NTSA Del	11.7	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
<b>3 Total Exports to CAN</b>	<b>479</b>	<b>481</b>	<b>476</b>	<b>471</b>	<b>466</b>	<b>461</b>	<b>456</b>	<b>452</b>	<b>449</b>	<b>445</b>
<b>East Continental Divide</b>										
<b>Contracts</b>										
4 AVWP to PPLM PwrS LTFirm	6.80	6.80	2.46	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5 BPA-P to Other Entities	6.43	0	0	0	0	0	0	0	0	0
<b>6 Total Exports to ECD</b>	<b>13.2</b>	<b>6.80</b>	<b>2.46</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>
<b>Inland Southwest</b>										
<b>Contracts</b>										
7 BPA-P to Other Entities	6.39	4.64	0	0	0	0	0	0	0	0
<b>Transfer Services</b>										
8 UAMP to UAMP TS PwrP	15.0	15.0	15.0	14.9	15.0	15.0	15.0	14.9	15.0	15.0
<b>9 Total Exports to ISW</b>	<b>21.3</b>	<b>19.6</b>	<b>15.0</b>	<b>14.9</b>	<b>15.0</b>	<b>15.0</b>	<b>15.0</b>	<b>14.9</b>	<b>15.0</b>	<b>15.0</b>
<b>Pacific Southwest</b>										
<b>Contracts</b>										
10 BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0
11 BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0
12 BPA-P to Other Entities	26.0	26.1	12.4	0	0	0	0	0	0	0
13 BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0
14 BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0
15 MCQC to BURB PwrS LTFirm	4.26	4.26	4.26	4.25	4.26	4.26	4.26	4.25	4.26	4.26
16 PSE to PG&E SNX Del	47.1	47.1	47.1	47.0	47.1	0	0	0	0	0
17 SCL to NCPA SNX Del	10.3	5.33	0	0	0	0	0	0	0	0
<b>Transfer Services</b>										
18 BURB to BURB TS PwrP	2.59	2.59	2.59	2.58	2.59	2.59	2.59	2.58	2.59	2.59
19 GLEN to GLEN TS PwrP	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67
20 LDWP to LDWP TS PwrP	111	111	111	111	111	111	111	93.8	92.4	92.4
21 MID to MID TS PwrP	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
22 Other Entities to Other Entities	97.1	97.1	97.1	97.0	97.1	97.1	97.1	97.0	97.1	97.1
23 PG&E to PG&E TS PwrP	98.5	98.5	98.5	98.4	98.5	98.5	66.9	50.0	50.1	50.1
24 SCE to SCE TS PwrP	219	219	219	219	219	219	219	219	219	219
25 SMUD to SMUD TS PwrP	62.1	44.3	44.3	44.3	44.3	0	0	0	0	0
26 TID to TID TS PwrP	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
27 Intertie Losses	24	23	23	22	22	19	19	17	17	17
<b>28 Total Exports to PSW</b>	<b>819</b>	<b>795</b>	<b>776</b>	<b>762</b>	<b>763</b>	<b>669</b>	<b>636</b>	<b>601</b>	<b>600</b>	<b>600</b>
<b>Total Exports</b>										
29 Federal Entities	519	513	489	471	466	461	456	452	449	445
30 Investor Owned Utilities	404	404	400	398	398	351	320	302	303	303
31 Marketer	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
32 Municipality	331	308	302	302	302	258	258	241	240	240
<b>33 Total Exports</b>	<b>1310</b>	<b>1281</b>	<b>1247</b>	<b>1227</b>	<b>1223</b>	<b>1126</b>	<b>1090</b>	<b>1051</b>	<b>1047</b>	<b>1043</b>

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***Exhibit 5***  
***Table A-3: Regional Imports***

***Annual Energy***  
***Operating Year 2017 to 2026***  
***Using 1937-Water Conditions***

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**Table A-3: Regional: Imports**  
**Operating Year 2017 to 2017**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
<b>Canada</b>										
<b>Contracts</b>										
1 BCHP to SCL PwrS LTFirm	35.6	35.4	35.4	35.5	35.4	35.4	35.4	35.5	35.4	35.4
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35
<b>4 Total Imports From CAN</b>	<b>38.9</b>	<b>38.8</b>	<b>38.8</b>	<b>38.8</b>	<b>38.8</b>	<b>38.8</b>	<b>38.8</b>	<b>38.8</b>	<b>38.8</b>	<b>38.8</b>
<b>Inland Southwest</b>										
<b>Transfer Services</b>										
5 RMP to RMP TS PwrP	476	480	484	487	491	494	498	502	506	509
<b>6 Total Imports From ISW</b>	<b>476</b>	<b>480</b>	<b>484</b>	<b>487</b>	<b>491</b>	<b>494</b>	<b>498</b>	<b>502</b>	<b>506</b>	<b>509</b>
<b>Pacific Southwest</b>										
<b>Contracts</b>										
7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0
13 Other Entities to Other Entities	88.9	88.9	88.9	89.0	83.5	0	0	0	0	0
14 PG&E to PSE SNX Ret	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
15 NCPA to SCL SNX Ret	12.4	12.4	0	0	0	0	0	0	0	0
<b>16 Total Imports From PSW</b>	<b>148</b>	<b>148</b>	<b>136</b>	<b>136</b>	<b>131</b>	<b>47.1</b>	<b>47.1</b>	<b>47.1</b>	<b>47.1</b>	<b>47.1</b>
<b>Total Imports</b>										
17 Federal Entities	89.9	89.9	89.9	90.0	84.5	1.00	1.00	1.00	1.00	1.00
18 Investor Owned Utilities	526	529	533	537	540	544	548	551	555	559
19 Municipality	48.0	47.8	35.4	35.5	35.4	35.4	35.4	35.5	35.4	35.4
<b>20 Total Imports</b>	<b>664</b>	<b>667</b>	<b>658</b>	<b>662</b>	<b>660</b>	<b>580</b>	<b>584</b>	<b>588</b>	<b>591</b>	<b>595</b>

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***Exhibit 6***  
***Table A-4: Regional Intra-Regional Transfers***

***Annual Energy***  
***Operating Year 2017 to 2026***  
***Using 1937-Water Conditions***

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**Table A-4: Regional: Intra-Regional Transfers**  
**Operating Year 2017 to 2026**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
<b>Intra-Regional Transfers</b>										
<b>Contracts</b>	<b>523</b>	<b>425</b>	<b>368</b>	<b>248</b>	<b>228</b>	<b>226</b>	<b>226</b>	<b>226</b>	<b>226</b>	<b>226</b>
1 AVWP to BPA-P Setl WNP3 Rtn	44.8	44.8	0	0	0	0	0	0	0	0
2 AVWP to PGE CapX Del	18.7	0	0	0	0	0	0	0	0	0
3 BPA-P to AVWP Setl WNP3 Del	44.8	44.8	44.8	0	0	0	0	0	0	0
4 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
5 BPA-P to PPL NSP RIn	4.36	4.36	4.36	4.36	1.18	0	0	0	0	0
6 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0
8 BPA-P to PSE Ops UBkr Repl	1.28	1.28	1.28	1.29	1.27	1.28	1.28	1.29	1.28	1.28
9 BPA-P to PSE Setl WNP3 Del	44.8	0	0	0	0	0	0	0	0	0
10 CIDF to RMP PwrS LTFirm	5.47	5.47	5.47	5.46	5.47	5.47	5.47	5.46	5.47	5.47
11 DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0
12 GCPD to PPL PwrS LTFirm	10.0	9.99	10.0	10.00	10.0	9.99	10.0	10.00	10.0	9.99
13 GHPD to GHP PwrS LTFirm	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
14 JPMV to BPA-P PwrP T2	8.52	0	0	0	0	0	0	0	0	0
15 NWE to MVP PwrS LTFirm	9.66	9.66	9.66	9.65	9.66	9.66	9.66	9.65	9.66	9.66
16 Other Entities to BPA-P	83.1	100.0	88.5	13.0	0	0	0	0	0	0
17 Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
18 Other Entities to DOPD	8.96	0	0	0	0	0	0	0	0	0
19 Other Entities to Other Entities	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33
20 Other Entities to PGE	15.4	0	0	0	0	0	0	0	0	0
21 PGE to AVWP CapX Repl	18.7	0	0	0	0	0	0	0	0	0
22 PGE to PPL PwrS LTFirm	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
23 PPL to BPA-P NSP SOut	4.36	4.36	4.37	4.36	0.73	0	0	0	0	0
24 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0
25 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0
26 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0
27 SCL to POPD PwrS LTFirm	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
28 SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104
<b>29 Total Intra-Regional Transfers</b>	<b>523</b>	<b>425</b>	<b>368</b>	<b>248</b>	<b>228</b>	<b>226</b>	<b>226</b>	<b>226</b>	<b>226</b>	<b>226</b>
<b>Intra-Regional Contracts Out</b>										
30 Federal Entities	105	59.9	59.9	15.1	11.9	10.7	10.7	10.7	10.7	10.7
31 Investor Owned Utilities	140	87.7	28.2	17.0	13.4	12.7	12.7	12.7	12.7	12.7
32 Marketer	204	203	206	142	129	129	129	129	129	129
33 Municipality	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
34 Public Utility District	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
<b>35 Total Regional Contracts Out</b>	<b>523</b>	<b>425</b>	<b>368</b>	<b>248</b>	<b>228</b>	<b>226</b>	<b>226</b>	<b>226</b>	<b>226</b>	<b>226</b>
<b>Intra-Regional Contracts In</b>										
36 Federal Entities	160	168	112	36.4	19.8	19.1	19.1	19.1	19.1	19.1
37 Investor Owned Utilities	268	171	171	126	123	122	122	122	122	122
38 Marketer	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
39 Municipality	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33
40 Public Utility District	76.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
<b>41 Total Regional Contracts In</b>	<b>523</b>	<b>425</b>	<b>368</b>	<b>248</b>	<b>228</b>	<b>226</b>	<b>226</b>	<b>226</b>	<b>226</b>	<b>226</b>

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**Exhibit 7**  
**Table A-6: BPA Sales to Preference and Legacy Customers**

**Annual Energy**  
**Operating Year 2017 to 2026**  
**Using 1937-Water Conditions**

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**Table A-6: BPA Sales to Preference and Legacy Customers**

**Operating Year: 2017 to 2026 Water Year: 1937**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
<b>Pacific Northwest</b>										
<b>1 DSI Obligation</b>	<b>91.1</b>	<b>91.1</b>	<b>91.1</b>	<b>91.1</b>	<b>91.1</b>	<b>91.1</b>	<b>91.1</b>	<b>91.1</b>	<b>91.1</b>	<b>91.1</b>
2 Direct Service Industry	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
<b>3 Load Following</b>	<b>3276</b>	<b>3301</b>	<b>3332</b>	<b>3331</b>	<b>3338</b>	<b>3341</b>	<b>3352</b>	<b>3362</b>	<b>3383</b>	<b>3397</b>
4 Cooperative	1865	1860	1858	1836	1835	1831	1836	1842	1857	1865
5 Municipality	573	591	603	608	613	616	619	622	625	628
6 Public Utility District	719	729	731	736	739	741	744	746	748	750
7 Federal Entities	118	121	139	151	152	152	153	153	154	154
<b>8 Slice Block</b>	<b>1812</b>	<b>1816</b>	<b>1835</b>	<b>1822</b>	<b>1856</b>	<b>1829</b>	<b>1858</b>	<b>1818</b>	<b>1864</b>	<b>1818</b>
9 Municipality	614	612	618	613	625	616	626	613	628	611
10 Public Utility District	1198	1204	1217	1208	1232	1213	1232	1205	1236	1206
<b>11 Slice Output from T1 System</b>	<b>1823</b>	<b>1845</b>	<b>1804</b>	<b>1859</b>	<b>1817</b>	<b>1857</b>	<b>1816</b>	<b>1859</b>	<b>1818</b>	<b>1863</b>
12 Municipality	612	620	606	624	610	624	610	624	610	626
13 Public Utility District	1211	1226	1198	1235	1207	1234	1207	1235	1208	1238
<b>14 Tier 1 Block</b>	<b>23.1</b>	<b>25.5</b>	<b>25.5</b>	<b>26.3</b>	<b>25.7</b>	<b>26.0</b>	<b>26.5</b>	<b>25.7</b>	<b>25.6</b>	<b>25.3</b>
15 Public Utility District	23.1	25.5	25.5	26.3	25.7	26.0	26.5	25.7	25.6	25.3
<b>16 USBR Obligation</b>	<b>184</b>	<b>184</b>	<b>184</b>	<b>183</b>	<b>184</b>	<b>184</b>	<b>184</b>	<b>183</b>	<b>184</b>	<b>184</b>
17 USBR	184	184	184	183	184	184	184	183	184	184
<b>Total Power Sales Contracts</b>										
18 Cooperative	1865	1860	1858	1836	1835	1831	1836	1842	1857	1865
19 Direct Service Industry	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
20 Federal Entities	118	121	139	151	152	152	153	153	154	154
21 Municipality	1800	1823	1827	1845	1848	1855	1855	1859	1864	1865
22 Public Utility District	3151	3184	3172	3205	3203	3214	3209	3212	3217	3220
23 USBR	184	184	184	183	184	184	184	183	184	184
<b>24 Total Power Sales Contracts</b>	<b>7209</b>	<b>7262</b>	<b>7270</b>	<b>7313</b>	<b>7313</b>	<b>7328</b>	<b>7328</b>	<b>7340</b>	<b>7366</b>	<b>7378</b>

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***Exhibit 8***  
***Table A-7: Regional Regulated Hydro***  
  
***Annual Energy***  
***Operating Year 2017 to 2026***  
***Using 1937-Water Conditions***

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**Table A-7: Regional: Regulated Hydro**  
**Operating Year: 2017 to 2026 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
<b>Regulated Hydro</b>										
1 Albeni Falls Hydroelectric	23.6	21.7	21.3	21.2	21.3	21.3	21.3	21.2	21.3	21.3
2 Alder Hydroelectric	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
3 Bonneville	390	390	390	391	390	390	390	391	390	390
4 Boundary	333	333	333	333	333	333	333	333	333	333
5 Box Canyon Dam	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
6 Brownlee	183	183	183	183	183	183	183	183	183	183
7 Cabinet Gorge	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
8 Chelan Lake	36.8	36.8	36.8	36.7	36.8	36.8	36.8	36.7	36.8	36.8
9 Chief Joseph	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101
10 Cushman 1	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
11 Cushman 2	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
12 Diablo	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
13 Dworshak	138	138	137	137	137	137	137	137	137	137
14 Faraday	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
15 Gorge	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
16 Grand Coulee	1924	1924	1924	1924	1924	1924	1924	1924	1924	1924
17 Hells Canyon	149	149	149	149	149	149	149	149	149	149
18 Hungry Horse	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
19 Ice Harbor	109	109	109	109	109	109	109	109	109	109
20 John Day	786	786	786	786	786	786	786	786	786	786
21 Kerr	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
22 La Grande	30.6	30.6	30.6	30.5	30.6	30.6	30.6	30.5	30.6	30.6
23 Libby	192	192	192	192	192	192	192	192	192	192
24 Little Falls	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
25 Little Goose	179	159	159	159	158	158	158	158	158	158
26 Long Lake	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
27 Lower Baker	34.7	34.7	34.7	34.6	34.7	34.7	34.7	34.6	34.7	34.7
28 Lower Granite	174	149	149	149	146	146	146	146	146	146
29 Lower Monumental	181	150	150	150	150	150	150	150	150	150
30 Mayfield	66.3	66.3	66.3	66.2	66.3	66.3	66.3	66.2	66.3	66.3
31 McNary	479	479	479	479	479	479	479	479	479	479
32 Merwin	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
33 Monroe Street	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
34 Mossyrock	91.6	91.6	91.6	91.4	91.6	91.6	91.6	91.4	91.6	91.6
35 Nine Mile	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
36 North Fork	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
37 Noxon Rapids	128	128	128	128	128	128	128	128	128	128
38 Oak Grove	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
39 Oxbow	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
40 Pelton	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
41 Pelton Rereq	8.21	8.21	8.21	8.21	8.21	8.21	8.21	8.21	8.21	8.21
42 Post Falls	7.33	7.33	7.33	7.32	7.33	7.33	7.33	7.32	7.33	7.33
43 Priest Rapids	416	416	416	416	416	416	416	416	416	416
44 River Mill	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
45 Rock Island	322	322	322	322	322	322	322	322	322	322
46 Rocky Reach	596	596	596	596	596	596	596	596	596	596
47 Ross	75.4	75.4	75.4	75.3	75.4	75.4	75.4	75.3	75.4	75.4
48 Round Butte	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
49 Swift 1	60.1	60.1	60.1	60.0	60.1	60.1	60.1	60.0	60.1	60.1
50 Swift 2	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
51 The Dalles	601	601	601	601	601	601	601	601	601	601
52 Thompson Falls	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
53 Upper Baker	35.0	35.0	35.0	34.9	35.0	35.0	35.0	34.9	35.0	35.0
54 Upper Falls	7.42	7.42	7.42	7.41	7.42	7.42	7.42	7.41	7.42	7.42
55 Wanapum	374	374	374	374	374	374	374	374	374	374
56 Wells	356	356	356	356	356	356	356	356	356	356
57 Yale	56.0	56.0	56.0	55.9	56.0	56.0	56.0	55.9	56.0	56.0



**Table A-7: Regional: Regulated Hydro**  
**Operating Year: 2017 to 2026 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
<b>Total Regulated Hydro</b>										
58 Federal Entities	6355	6278	6276	6275	6271	6271	6271	6271	6271	6271
59 Investor Owned Utilities	1824	1824	1633	1613	1613	1613	1613	1613	1613	1613
60 Marketer	390	390	390	390	390	390	390	390	390	390
61 Municipality	897	897	897	896	897	897	897	896	897	897
62 Public Utility District	1197	1197	1388	1408	1408	1408	1408	1408	1408	1408
<b>63 Total Regulated Hydro</b>	<b>10662</b>	<b>10585</b>	<b>10584</b>	<b>10580</b>	<b>10579</b>	<b>10579</b>	<b>10579</b>	<b>10577</b>	<b>10579</b>	<b>10579</b>

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***Exhibit 9***  
***Table A-8: Regional Independent Hydro***

***Annual Energy***  
***Operating Year 2017 to 2026***  
***Using 1937-Water Conditions***

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**Table A-8: Regional: Independent Hydro**  
**Operating Year: 2017 to 2026 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
<b>Independent Hydro</b>										
1 American Falls Hydroelectric	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
2 Anderson Ranch	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
3 Arrowrock Hydro	5.83	5.83	5.83	5.83	5.83	5.83	5.83	5.83	5.83	5.83
4 Ashton	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
5 Bend Power Dam	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
6 Big Cliff	9.66	9.66	9.66	9.65	9.66	9.66	9.66	9.65	9.66	9.66
7 Big Fork	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71
8 Black Canyon	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19
9 Bliss	35.1	35.1	35.1	35.0	35.1	35.1	35.1	35.0	35.1	35.1
10 Boise River Diversion	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
11 Calispel Creek	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
12 Carmen-Smith	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
13 Cascade	8.84	8.84	8.84	8.84	8.84	8.84	8.84	8.84	8.84	8.84
14 Cedar Falls	9.04	9.04	9.04	9.04	9.04	9.04	9.04	9.04	9.04	9.04
15 Chandler	5.60	5.60	5.60	5.61	5.60	5.60	5.60	5.61	5.60	5.60
16 CJ Strike	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
17 Clear Lake	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78
18 Cougar	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
19 Cowlitz Falls	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
20 Detroit	33.3	33.3	33.3	33.2	33.3	33.3	33.3	33.2	33.3	33.3
21 Dexter	9.29	9.29	9.29	9.27	9.29	9.29	9.29	9.27	9.29	9.29
22 Eagle Point	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
23 Electron	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
24 Felt Hydro Project	3.84	3.84	3.84	3.83	3.84	3.84	3.84	3.83	3.84	3.84
25 Foster	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
26 Gem State Hydro	8.28	8.28	8.28	8.30	8.28	8.28	8.28	8.30	8.28	8.28
27 Grace	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
28 Green Peter	26.9	26.9	26.9	26.8	26.9	26.9	26.9	26.8	26.9	26.9
29 Green Springs	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32
30 Helloaring	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
31 Henry M Jackson	43.0	43.0	43.0	42.9	43.0	43.0	43.0	42.9	43.0	43.0
32 Hills Creek	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
33 Hood Street	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
34 Idaho Falls - City Plant	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14
35 Idaho Falls - Lower Plant #1	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14
36 Idaho Falls - Lower Plant #2	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
37 Idaho Falls - Upper Plant	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14
38 Island Park	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
39 John Boyle	35.9	35.9	35.9	36.0	10.6	0	0	0	0	0
40 Lake Creek (MT)	2.93	2.93	2.93	2.92	2.93	2.93	2.93	2.92	2.93	2.93
41 Last Chance	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
42 Leaburg	7.43	7.43	7.43	7.44	7.43	7.43	7.43	7.44	7.43	7.43
43 Lookout Point	35.3	35.3	35.3	35.2	35.3	35.3	35.3	35.2	35.3	35.3
44 Lost Creek	30.0	30.0	30.0	29.9	30.0	30.0	30.0	29.9	30.0	30.0
45 Lower Malad	9.63	9.63	9.63	9.63	9.63	9.63	9.63	9.63	9.63	9.63
46 Lower Salmon Falls	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
47 McNary Fishway	8.45	8.45	8.45	8.44	8.45	8.45	8.45	8.44	8.45	8.45
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
50 Minidoka	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
51 Moyie River	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
52 Newhalem	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
53 North Umpqua	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
54 Oneida	6.30	6.30	6.30	6.30	6.30	6.30	6.30	6.30	6.30	6.30
55 Packwood Lake	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
56 Palisades	69.2	69.2	69.2	69.0	69.2	69.2	69.2	69.0	69.2	69.2
57 Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
58 Reeder Gulch	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17

**Table A-8: Regional: Independent Hydro**  
**Operating Year: 2017 to 2026 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
59 Roque	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
60 Roza	6.88	6.88	6.88	6.87	6.88	6.88	6.88	6.87	6.88	6.88
61 Shoshone Falls	5.84	5.84	5.84	5.84	5.84	5.84	5.84	5.84	5.84	5.84
62 Smith Creek (Idaho)	6.99	6.99	6.99	6.97	6.99	6.99	6.99	6.97	6.99	6.99
63 Snoqualmie Falls	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
64 Soda Creek 4	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
67 South Fork Tolt	6.55	6.55	6.55	6.54	6.55	6.55	6.55	6.54	6.55	6.55
68 Stone Creek	6.22	6.22	6.22	6.21	6.22	6.22	6.22	6.21	6.22	6.22
69 Strawberry Creek (WY)	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
70 Swan Falls	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.46	4.46	4.46	4.45	4.46	4.46	4.46	4.45	4.46	4.46
73 Thousand Springs	6.28	6.28	6.28	6.27	6.28	6.28	6.28	6.27	6.28	6.28
74 Trail Bridge	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68
75 TW Sullivan	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
76 Twin Falls (ID)	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
77 Upper Malad	5.92	5.92	5.92	5.92	5.92	5.92	5.92	5.92	5.92	5.92
78 Upper Salmon A	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41
79 Upper Salmon B	7.71	7.71	7.71	7.71	7.71	7.71	7.71	7.71	7.71	7.71
80 Wallowa Falls	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
81 Walterville	5.72	5.72	5.72	5.73	5.72	5.72	5.72	5.73	5.72	5.72
82 Wynoochee Dam	3.38	3.38	3.38	3.39	3.38	3.38	3.38	3.39	3.38	3.38
83 Yelm	7.22	7.22	7.22	7.21	7.22	7.22	7.22	7.21	7.22	7.22
<b>Total Independent Hydro</b>										
84 Cooperative	7.12	7.12	7.12	7.12	7.12	7.12	7.12	7.12	7.12	7.12
85 Federal Entities	354	354	354	354	354	342	340	340	340	340
86 Investor Owned Utilities	537	537	537	536	511	501	501	500	501	501
87 Municipality	86.6	86.6	86.6	86.6	86.6	98.9	101	101	101	101
88 Public Utility District	68.4	68.4	68.4	68.3	68.4	68.4	68.4	68.3	68.4	68.4
<b>89 Total Independent Hydro</b>	<b>1053</b>	<b>1053</b>	<b>1053</b>	<b>1052</b>	<b>1027</b>	<b>1017</b>	<b>1017</b>	<b>1016</b>	<b>1017</b>	<b>1017</b>

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***Exhibit 10***  
***Table A-9: Regional Small Hydro***

***Annual Energy***  
***Operating Year 2017 to 2026***  
***Using 1937-Water Conditions***

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**Table A-9: Regional: Small Hydro**  
**Operating Year: 2017 to 2026 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
<b>Small Hydro</b>										
1 Albany-Millersburg Hydroelectric	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2 Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
3 Arena Drop	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
4 Barber Dam	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28
5 Barney Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
6 Beaverton	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
7 Bell Mountain	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
8 Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biggs's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0
11 Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12 Birch Creek Diversion Dam	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
13 Birch Creek (Gooding, ID)	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21
14 Black Canyon #3	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
15 Black Creek	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96
16 Blind Canyon	0.57	0.57	0.57	0.56	0.57	0.57	0.57	0.56	0.57	0.57
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
19 Briggs Creek	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
20 Briggs Project	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
21 Broadwater	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01
22 Buffalo Hydro	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
25 Bypass	3.81	3.81	4.33	3.18	3.81	3.81	3.81	3.80	3.81	3.81
26 Canyon Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
27 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
28 Carlton	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
29 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
30 C-Drop Hydro	0.41	0.41	0.41	0.40	0.41	0.41	0.41	0.40	0.41	0.41
31 Cedar Draw Creek	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
32 Central Oregon Siphon	2.14	2.14	2.14	2.13	2.14	2.14	2.14	2.13	2.14	2.14
33 Cereghino	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
34 Chester Hydroelectric Plant	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
35 Clear Springs Trout	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
36 Company Creek	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
37 Cornelius	0	0	0	0	0	0	0	0	0	0
38 Cowiche	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
39 Crystal Springs	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
40 Curry Cattle Co.	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
41 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
42 Cushman North Fork	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
43 D. Wiggins	0	0	0	0	0	0	0	0	0	0
44 Deep Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
45 Denny Creek	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
46 Dietrich Drop	2.48	2.48	2.48	2.47	2.48	2.48	2.48	2.47	2.48	2.48
47 Donald Jenni	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
48 Dry Creek	0.85	0.85	0.91	0.82	0.85	0.85	0.85	0.85	0.85	0.85
49 Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
50 Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0
51 Elk Creek	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
52 Eltopia Branch Canal 4.6	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
53 Esquatzel Small Hydro	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
54 Falls Creek (Or)	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95
55 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
56 Falls River Hydro	5.88	5.88	5.88	5.88	5.88	5.88	5.88	5.88	5.88	5.88
57 Farmers Irr Dist Proj No 2	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
58 Farmers Irr Dist Proj No 3	0.89	0.89	0.89	0.90	0.89	0.89	0.89	0.90	0.89	0.89



**Table A-9: Regional: Small Hydro**  
**Operating Year: 2017 to 2026 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

Energy-aMW	S129-WB-20151029-154000									
	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
59 Faulkner Ranch	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
60 Fisheries Development #1	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
61 Flying W	0	0	0	0	0	0	0	0	0	0
62 Ford	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
63 Forgy	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
64 Galesville	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
65 Geo-Bon #2	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
66 Georgetown	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
67 Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
68 Ground Water Pumping Station	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
69 Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
70 Hazelton A	3.24	3.24	3.24	3.23	3.24	3.24	3.24	3.23	3.24	3.24
71 Hazelton B	3.03	3.03	3.03	3.02	3.03	3.03	3.03	3.02	3.03	3.03
72 Hettinger	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
73 Horseshoe Bend	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56
74 Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
75 James Boyd	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
76 James White	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
77 Jim Knight	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
78 John Day Creek	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
79 Juniper Ridge Hydro	1.45	1.45	1.45	1.44	1.45	1.45	1.45	1.44	1.45	1.45
80 Kasel-Witherspoon	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
81 Kaster Riverview	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
82 Koma Kulshan	6.38	6.38	6.38	6.37	6.38	6.38	6.38	6.37	6.38	6.38
83 Koyle Ranch Power	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
84 L & M Angus Ranch	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
85 Lacombe	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
86 Lake Creek (OR)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
87 Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
88 Lateral #10	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35
89 Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
90 Lee Tavenner	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
91 Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
92 Little Mac	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
93 Little Wood River Ranch	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
94 Little Wood River Reservoir	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
95 Low line Canal Drop	5.35	5.35	5.35	5.33	5.35	5.35	5.35	5.33	5.35	5.35
96 Low Line Midway	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
97 Lower Low line	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80
98 Loyd F. Fery Farms	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
99 LQ-LS Drains (Pigeon Cove)	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
100 Lucky Peak	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
101 Macks Creek	0	0	0	0	0	0	0	0	0	0
102 Magic Dam	3.56	3.56	3.56	3.55	3.56	3.56	3.56	3.55	3.56	3.56
103 Main Canal Headworks	9.82	9.82	9.82	9.80	9.82	9.82	9.82	9.80	9.82	9.82
104 Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
105 Meyers Falls	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
106 Meyers Falls 1910	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
107 Middle Fork Irrigation District	2.15	2.15	2.15	2.16	2.15	2.15	2.15	2.16	2.15	2.15
108 Mile 28	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
109 Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
110 Minikahda	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
111 Mink Creek	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
112 Mitchell Butte	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
113 Mora Drop	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42
114 Morse Creek	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
115 Mt. Tabor	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
116 Mud Creek	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
117 N-32 Canal	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85

**Table A-9: Regional: Small Hydro**  
**Operating Year: 2017 to 2026 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
118 Nichols Gap	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
119 Nicholson	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
120 North Fork Sprague	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
121 O. J. Power Company	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
122 Odell Creek	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
123 Opal Springs	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95
124 Orchard Avenue	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
125 Owyhee Dam	1.82	1.82	1.82	1.81	1.82	1.82	1.82	1.81	1.82	1.82
126 Owyhee Tunnel No 1	2.72	2.72	2.72	2.71	2.72	2.72	2.72	2.71	2.72	2.72
127 Pancheri	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
128 PEC Headworks	2.83	2.83	2.83	2.82	2.83	2.83	2.83	2.82	2.83	2.83
129 Phillips Ranch	0	0	0	0	0	0	0	0	0	0
130 Phillipsburg	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
131 Pine Creek	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
132 Poderosa	0.29	0.29	0.29	0.28	0.29	0.29	0.29	0.28	0.29	0.29
133 Portland Hydro Project	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
134 Portneuf River	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
135 Potholes East Canal	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09
136 Preston	0.36	0.36	0.36	0.36	0.35	0.36	0.36	0.36	0.36	0.36
137 Pristine Springs	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
138 Quincy Chute	3.71	3.71	3.71	3.70	3.71	3.71	3.71	3.70	3.71	3.71
139 Ravenscroft Ranch	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
140 Reynolds Irrigation District	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
141 Rim View	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
142 Rock Creek #1	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
143 Rock Creek No 2	1.61	1.61	1.61	1.60	1.61	1.61	1.61	1.60	1.61	1.61
144 Rocky Brook	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
145 Russell D. Smith	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84
146 Sagebrush	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
147 Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
148 Schaffner	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
149 Shingle Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
150 Shoshone	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
151 Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
152 Smith Creek (Washington)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
153 Snake River Pottery	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
154 Snedigar Ranch	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
155 South Dry Creek	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
156 Spencer Lake Hydro	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
157 Spring Creek	0	0	0	0	0	0	0	0	0	0
158 Stayton Hydro	0	0	0	0	0	0	0	0	0	0
159 Stevenson #1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
160 Stevenson #2	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
161 Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
162 Summer Falls	37.2	37.2	37.2	37.1	37.2	37.2	37.2	37.1	37.2	37.2
163 Sunshine	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
164 Syqitowicz Creek	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
165 Thompson's Mills	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
166 Tiber Dam	3.24	3.24	3.24	3.23	3.24	3.24	3.24	3.23	3.24	3.24
167 Tieton Dam (Yakima)	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
168 Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
169 Twin Falls (WA)	9.57	9.57	7.69	9.56	9.57	9.57	9.57	9.56	9.57	9.57
170 Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
171 Upriver Dam	9.73	9.73	9.73	9.73	9.73	9.73	9.73	9.73	9.73	9.73
172 Walla Walla	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48
173 Water Street	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
174 Watson Hydro	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
175 Weeks Falls	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
176 White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14

**Table A-9: Regional: Small Hydro**  
**Operating Year: 2017 to 2026 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
177 White Water Ranch	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
178 Whitefish	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
179 Wilson Lake	3.14	3.14	3.14	3.13	3.14	3.14	3.14	3.13	3.14	3.14
180 Wisconsin Noble	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
181 Wolf Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
182 Woods Creek	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
183 Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
184 Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
185 Youngs Creek	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22
186 Zena Creek Ranch	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
<b>Total Small Hydro</b>										
187 Cooperative	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35
188 Federal Entities	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08
189 Investor Owned Utilities	150	150	149	149	150	150	150	150	150	150
190 Marketer	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
191 Municipality	77.1	77.1	77.1	76.9	77.1	77.1	77.1	76.9	77.1	77.1
192 Public Utility District	12.3	12.3	12.3	12.2	12.3	12.3	12.3	12.2	12.3	12.3
<b>193 Total Small Hydro</b>	<b>245</b>	<b>245</b>	<b>244</b>	<b>244</b>	<b>245</b>	<b>245</b>	<b>245</b>	<b>245</b>	<b>245</b>	<b>245</b>

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***Exhibit 11***  
***Table A-10: Regional Combustion Turbines***

***Annual Energy***  
***Operating Year 2017 to 2026***  
***Using 1937-Water Conditions***

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**Table A-10: Regional: Combustion Turbine Resources**

**Operating Year: 2017 to 2026**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
<b>Combustion Turbine Resources</b>										
1 Basin Creek Project	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
2 Beaver	461	461	461	461	461	461	461	461	461	461
3 Beaver	443	443	443	443	443	443	443	443	443	443
4 Beaver 8	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
5 Bennett Mountain Peaking Plant	151	151	151	151	151	151	151	151	151	151
6 Boulder Park	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
7 Carty Generating Station	374	374	374	374	374	374	374	374	374	374
8 Chehalis Generation Facility	450	450	446	446	450	450	450	450	450	450
9 Dave Gates Generating Station	135	135	135	135	135	135	135	135	135	135
10 Encogen	142	142	142	142	142	142	142	142	142	142
11 Evander Andrews Complex	233	233	233	233	233	233	233	233	233	233
12 Danskin 1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
13 Danskin 2	156	156	156	156	156	156	156	156	156	156
14 Frederickson CT	224	224	224	224	224	224	183	179	179	179
15 Frederickson Power Project	125	125	125	125	125	125	125	125	125	125
16 Fredonia	268	268	268	268	268	268	268	268	268	268
17 Fredonia 1 & 2	176	176	176	176	176	176	176	176	176	176
18 Fredonia 3 & 4	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
19 Goldendale Energy Center	228	228	228	228	228	228	228	228	228	228
20 Grimes Way	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
21 Kettle Falls Station (CT)	8.77	8.77	8.77	8.77	8.77	8.77	8.77	8.77	8.77	8.77
22 Klamath Generation Facility	436	436	436	436	436	436	436	436	436	436
23 Klamath Generation Peakings (C	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
24 Lancaster	211	208	210	211	212	210	210	211	212	210
25 Langley Gulch CT	270	270	270	270	270	270	270	270	270	270
26 Loki Peaking Project	9.94	9.94	9.94	9.94	9.94	9.94	9.94	9.94	9.94	9.94
27 Mint Farm Energy Center	253	253	253	253	253	253	253	253	253	253
28 Northeast 1 & 2	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
29 Olympic View	5.30	5.30	5.30	5.30	5.30	5.30	5.30	5.30	5.30	5.30
30 Pasco Peak Power Plant	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
31 Port Westward	556	556	556	556	556	556	556	556	556	556
32 Port Westward 1	369	369	369	369	369	369	369	369	369	369
33 Port Westward 2	187	187	187	187	187	187	187	187	187	187
34 Rathdrum	142	142	142	142	142	142	142	142	142	142
35 River Road	223	223	223	223	223	223	223	223	223	223
36 Satsop Combustion Turbine Proj	584	584	584	584	584	584	584	584	584	584
37 Stahlbush Island Farms Bioqas	1.48	1.48	1.48	1.49	1.48	1.48	1.48	1.49	1.48	1.48
38 University of Washington Power	13.5	13.5	13.5	13.6	13.5	13.5	13.5	13.6	13.5	13.5
39 Whitehorn	132	132	132	132	132	132	132	132	132	132
<b>Total Combustion Turbine Resources</b>										
40 Investor Owned Utilities	4368	4365	4364	4366	4368	4367	4367	4369	4368	4367
41 Marketer	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110
42 Municipality	17.1	17.1	17.1	17.2	17.1	17.1	17.1	17.2	17.1	17.1
43 Public Utility District	390	390	390	390	390	390	350	345	345	345
<b>44 Total</b>	<b>5885</b>	<b>5882</b>	<b>5881</b>	<b>5883</b>	<b>5886</b>	<b>5884</b>	<b>5844</b>	<b>5842</b>	<b>5841</b>	<b>5840</b>

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**Exhibit 12**  
**Table A-11: Regional Renewable Resources**

**Annual Energy**  
**Operating Year 2017 to 2026**  
**Using 1937-Water Conditions**

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**Table A-11: Regional: Renewable Resources**

**Operating Year: 2017 to 2026**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
<b>Renewable Resources</b>										
1 3 Bar G Wind	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
2 American Falls Solar	6.75	10.2	10.2	10.1	10.2	10.2	10.2	10.1	10.2	10.2
3 American Falls Solar 1	3.38	5.08	5.08	5.07	5.08	5.08	5.08	5.07	5.08	5.08
4 American Falls Solar 2	3.38	5.08	5.08	5.07	5.08	5.08	5.08	5.07	5.08	5.08
5 Ashland Solar Project	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
6 City Council	0	0	0	0	0	0	0	0	0	0
7 N. Mountain Park	0	0	0	0	0	0	0	0	0	0
8 Police Station	0	0	0	0	0	0	0	0	0	0
9 Public Works	0	0	0	0	0	0	0	0	0	0
10 Bellevue Solar (Amity, OR)	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
11 Bennett Creek Wind	5.45	5.45	5.45	5.44	5.45	5.45	5.45	5.44	5.45	5.45
12 Bettencourt B6 anaerobic digest	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
13 Big Horn Wind	64.8	64.8	64.8	64.7	64.8	64.8	64.8	64.7	64.8	64.8
14 Big Horn 1	51.8	51.8	51.8	51.7	51.8	51.8	51.8	51.7	51.8	51.8
15 Big Horn 2	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
16 Big Sky Dairy	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06
17 Biglow Canyon Wind	117	117	117	117	117	117	117	117	117	117
18 Biglow Canyon 1	32.6	32.6	32.6	32.5	32.6	32.6	32.6	32.5	32.6	32.6
19 Biglow Canyon 2	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
20 Biglow Canyon 3	45.4	45.4	45.4	45.3	45.4	45.4	45.4	45.3	45.4	45.4
21 Black Cap Solar Project	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
22 Boise City Solar	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
23 Burley Butte Wind	5.06	5.06	5.06	5.06	5.06	5.06	5.06	5.06	5.06	5.06
24 Camp Reed	5.84	5.84	5.84	5.83	5.84	5.84	5.84	5.83	5.84	5.84
25 Cassia Farms Wind	2.73	2.73	2.73	2.72	2.73	2.73	2.73	2.72	2.73	2.73
26 Cassia Gulch Wind	4.91	4.91	4.91	4.90	4.91	4.91	4.91	4.90	4.91	4.91
27 Cedar Hills Landfill	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
28 Coffin Butte	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36
29 Coffin Butte 1	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38
30 Coffin Butte 2	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98
31 Cold Springs	5.97	5.97	5.97	5.96	5.97	5.97	5.97	5.96	5.97	5.97
32 Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
33 Combine Hills	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
34 Combine Hills 2	16.4	16.4	16.4	16.3	16.4	16.4	16.4	16.3	16.4	16.4
35 Combine Hills I	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
36 Condon	9.65	9.65	9.65	9.64	9.65	9.65	9.65	9.64	9.65	9.65
37 Condon 1	4.77	4.77	4.77	4.76	4.77	4.77	4.77	4.76	4.77	4.77
38 Condon 2	4.88	4.88	4.88	4.88	4.88	4.88	4.88	4.88	4.88	4.88
39 DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
40 Desert Meadow Windfarm	5.97	5.97	5.97	5.96	5.97	5.97	5.97	5.96	5.97	5.97
41 Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
42 Double B Digester	0	0	0	0	0	0	0	0	0	0
43 Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
44 Dry Dairy Creek	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26
45 Echo Wind Farm	16.8	16.8	16.8	16.7	16.8	16.8	16.8	16.7	16.8	16.8
46 Echo Wind 1	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
47 Echo Wind 2	5.19	5.19	5.19	5.19	5.19	5.19	5.19	5.19	5.19	5.19
48 Edaleen Cow Power	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
49 Elkhorn Valley Wind Project	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
50 Farm Power Lynden	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
51 Farm Power Misty Meadow	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
52 Farm Power Rexville	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
53 Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
54 Fighting Creek Landfill	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
55 Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
56 Flathead County Landfill	1.38	1.40	1.36	1.40	1.38	1.38	1.36	1.40	1.38	1.38
57 Foote Creek 1	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7

**Table A-11: Regional: Renewable Resources**

**Operating Year: 2017 to 2026**

**2015 White Book** Report Date: **6/30/2015** *Continued*

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Energy-aMW	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
58 Foote Creek 2	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
59 Foote Creek 4	4.36	4.36	4.36	4.36	4.36	4.36	4.36	4.36	4.36	4.36
60 Forest Glen Oaks Dairy	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
61 Fossil Gulch Wind Project	2.73	2.73	2.73	2.72	2.73	2.73	2.73	2.72	2.73	2.73
62 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0
63 Golden Valley Wind	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11
64 Goodnoe Hills	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
65 Goshen North (Ridgeline)	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
66 Grand View Solar	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
67 Grand View Solar 1	5.55	5.55	5.55	5.55	5.55	5.55	5.55	5.55	5.55	5.55
68 Grand View Solar 2	5.55	5.55	5.55	5.55	5.55	5.55	5.55	5.55	5.55	5.55
69 Grand View Solar 3	5.55	5.55	5.55	5.55	5.55	5.55	5.55	5.55	5.55	5.55
70 Grand View Solar 4	5.55	5.55	5.55	5.55	5.55	5.55	5.55	5.55	5.55	5.55
71 Grayland	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56
72 H.W. Hill Landfill Gas (Roosevelt)	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
73 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0
74 HW Hill Landfill Gas 2	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
75 Hammett Hill	5.97	5.97	5.97	5.96	5.97	5.97	5.97	5.96	5.97	5.97
76 Harvest	25.7	25.7	25.7	25.6	25.7	25.7	25.7	25.6	25.7	25.7
77 Hay Canyon Wind	26.2	26.2	26.2	26.1	26.2	26.2	26.2	26.1	26.2	26.2
78 Healow 2	0	0	0	0	0	0	0	0	0	0
79 Hidden Hollow Landfill	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34
80 High Mesa Wind	10.4	10.4	10.4	10.3	10.4	10.4	10.4	10.3	10.4	10.4
81 Hopkins Ridge	40.7	40.7	40.7	40.6	40.7	40.7	40.7	40.6	40.7	40.7
82 Hopkins Ridge 2	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87
83 Hopkins Ridge I	38.8	38.8	38.8	38.7	38.8	38.8	38.8	38.7	38.8	38.8
84 Horse Butte Wind	15.0	15.0	15.0	14.9	15.0	15.0	15.0	14.9	15.0	15.0
85 Horseshoe Bend Wind Project	2.34	2.34	2.34	2.33	2.34	2.34	2.34	2.33	2.34	2.34
86 Hot Springs Wind	5.14	5.14	5.14	5.13	5.14	5.14	5.14	5.13	5.14	5.14
87 Industrial Finishes	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
88 JC-Biomethane	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
89 Josef Staufer	0	0	0	0	0	0	0	0	0	0
90 Juniper Canyon	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
91 Kettle Falls (biomass)	44.7	42.6	43.4	44.7	44.4	43.4	43.4	44.7	44.4	43.4
92 King Estate Solar	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
93 Kittitas Valley Wind	26.2	26.2	26.2	26.1	26.2	26.2	26.2	26.1	26.2	26.2
94 Klondike 1	6.81	6.81	6.81	6.80	6.81	6.81	6.81	6.80	6.81	6.81
95 Klondike 2	21.3	21.3	21.3	21.2	21.3	21.3	21.3	21.2	21.3	21.3
96 Klondike 3	63.5	63.5	63.5	63.4	63.5	63.5	63.5	63.4	63.5	63.5
97 Klondike 3a	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
98 Knudson Wind	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
99 Lakeview Solar	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
100 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0
101 Lakeview Solar 500	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
102 Leaning Juniper	78.3	78.3	78.3	78.2	78.3	78.3	78.3	78.2	78.3	78.3
103 Leaning Juniper 1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
104 Leaning Juniper 2a	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4
105 Leaning Juniper 2b	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
106 Lewandowski Farms	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
107 Lime Wind	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
108 Linden Ranch	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
109 Livingston	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
110 Lower Snake Wind	159	159	159	159	159	159	159	159	159	159
111 Lower Snake Wind 1	89.0	89.0	89.0	88.9	89.0	89.0	89.0	88.9	89.0	89.0
112 Tucannon River Wind	70.4	70.4	70.4	70.3	70.4	70.4	70.4	70.3	70.4	70.4
113 LRI/Graham Landfill - BioFuels	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28
114 Mainline Wind	5.97	5.97	5.97	5.96	5.97	5.97	5.97	5.96	5.97	5.97
115 Marengo Wind	54.7	54.7	54.7	54.6	54.7	54.7	54.7	54.6	54.7	54.7
116 Marengo Wind 1	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4

**Table A-11: Regional: Renewable Resources**

**Operating Year: 2017 to 2026**

**2015 White Book** Report Date: **6/30/2015** *Continued*

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Energy-aMW	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
117 Marengo Wind 2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
118 Meadow Creek Wind	31.1	31.1	31.1	31.0	31.1	31.1	31.1	31.0	31.1	31.1
119 Five Pine Wind	10.4	10.4	10.4	10.3	10.4	10.4	10.4	10.3	10.4	10.4
120 North Point Wind	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
121 Milner Dam Wind Farm	5.06	5.06	5.06	5.06	5.06	5.06	5.06	5.06	5.06	5.06
122 Murphy Flat Solar Power	3.56	5.32	5.32	5.32	5.32	5.32	5.32	5.32	5.32	5.32
123 Neal Hot Springs	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
124 Nine Canyon Wind	26.1	26.1	26.1	26.0	26.1	26.1	26.1	26.0	26.1	26.1
125 Nine Canyon Wind 1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
126 Nine Canyon Wind 2	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22
127 Nine Canyon Wind 3	8.75	8.75	8.75	8.75	8.75	8.75	8.75	8.75	8.75	8.75
128 Orchard Ranch Solar	3.60	5.38	5.38	5.38	5.38	5.38	5.38	5.38	5.38	5.38
129 Oregon Trail Wind	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50
130 Outback Solar	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
131 Paisley Geothermal	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
132 Palouse Wind	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
133 PaTu Wind	2.34	2.34	2.34	2.33	2.34	2.34	2.34	2.33	2.34	2.34
134 Paynes Ferry Wind Park	5.45	5.45	5.45	5.44	5.45	5.45	5.45	5.44	5.45	5.45
135 Pebble Springs Wind	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
136 Pepsi-Cola Solar	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
137 Pepsi-Cola Eugene Solar 1	0	0	0	0	0	0	0	0	0	0
138 Pepsi-Cola Klamath Falls	0	0	0	0	0	0	0	0	0	0
139 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0
140 Pilgrim Stage Station Wind Park	2.73	2.73	2.73	2.72	2.73	2.73	2.73	2.72	2.73	2.73
141 Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
142 Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
143 Power County Wind	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
144 Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
145 Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
146 Raft River Geothermal	8.64	8.64	8.64	8.64	8.64	8.64	8.64	8.64	8.64	8.64
147 Raft River Geothermal 1	8.64	8.64	8.64	8.64	8.64	8.64	8.64	8.64	8.64	8.64
148 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0
149 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0
150 Rainier Biogas	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
151 Rattlesnake Road Wind Farm	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
152 River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
153 Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154 Rock River Wind	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
155 Rockland wind	20.6	20.6	20.6	20.5	20.6	20.6	20.6	20.5	20.6	20.6
156 Ryegrass Wind	5.97	5.97	5.97	5.96	5.97	5.97	5.97	5.96	5.97	5.97
157 Salmon Falls	5.45	5.45	5.45	5.44	5.45	5.45	5.45	5.44	5.45	5.45
158 Sawtooth	5.81	5.81	5.81	5.81	5.81	5.81	5.81	5.81	5.81	5.81
159 Shepherds Flat	219	219	219	219	219	219	219	219	219	219
160 Shepherds Flat - Central	75.3	75.3	75.3	75.2	75.3	75.3	75.3	75.2	75.3	75.3
161 Shepherds Flat - North	68.8	68.8	68.8	68.7	68.8	68.8	68.8	68.7	68.8	68.8
162 Shepherds Flat - South	75.3	75.3	75.3	75.2	75.3	75.3	75.3	75.2	75.3	75.3
163 Short Mountain	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
164 Simco Solar	3.58	5.37	5.37	5.37	5.37	5.37	5.37	5.37	5.37	5.37
165 Star Point Wind	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
166 Stateline	68.9	68.9	68.9	68.8	68.9	68.9	68.9	68.8	68.9	68.9
167 Stateline-OR	27.8	27.8	27.8	27.7	27.8	27.8	27.8	27.7	27.8	27.8
168 Stateline-WA	41.2	41.2	41.2	41.1	41.2	41.2	41.2	41.1	41.2	41.2
169 Stoltze Biomass	2.50	2.44	2.47	2.50	2.50	2.50	2.50	2.50	2.50	2.50
170 Swager Digester	0	0	0	0	0	0	0	0	0	0
171 Swauk Wind	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
172 Thousand Springs Wind Park	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11
173 Threemile Canyon Wind	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57
174 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0

**Table A-11: Regional: Renewable Resources**

**Operating Year: 2017 to 2026**

**2015 White Book** Report Date: **6/30/2015** *Continued*

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Energy-aMW	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
175 Tuana Gulch Wind	2.73	2.73	2.73	2.72	2.73	2.73	2.73	2.72	2.73	2.73
176 Tuana Springs Wind	4.36	4.36	4.36	4.36	4.36	4.36	4.36	4.36	4.36	4.36
177 Two Ponds Wind	5.97	5.97	5.97	5.96	5.97	5.97	5.97	5.96	5.97	5.97
178 Van Dyk's Holsteins	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
179 Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
180 Vansycle	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
181 Vansycle 1	8.27	8.27	8.27	8.26	8.27	8.27	8.27	8.26	8.27	8.27
182 Vansycle 2	25.7	25.7	25.7	25.6	25.7	25.7	25.7	25.6	25.7	25.7
183 Vantage Wind	23.4	23.4	23.4	23.3	23.4	23.4	23.4	23.3	23.4	23.4
184 Wheat Field	25.1	25.1	25.1	25.0	25.1	25.1	25.1	25.0	25.1	25.1
185 White Bluffs Solar	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
186 White Creek	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
187 Wild Horse	70.9	70.9	70.9	70.8	70.9	70.9	70.9	70.8	70.9	70.9
188 Wild Horse Solar 1	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
189 Wild Horse Wind 1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
190 Wild Horse Wind 2	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
191 Willow Creek	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
192 Windy Point Wind	104	104	104	103	104	104	104	103	104	104
193 Windy Point 1	35.5	35.5	35.5	35.4	35.5	35.5	35.5	35.4	35.5	35.5
194 Windy Point 2	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
195 Windy Point 2 - Phase 2	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
196 Wolverine Creek	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
197 Yahoo Creek Wind	5.45	5.45	5.45	5.44	5.45	5.45	5.45	5.44	5.45	5.45
198 Yamhill Solar	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23

**Total Renewable Resources**

199 Cooperative	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
200 Federal Entities	59.7	59.7	59.7	59.6	56.0	55.3	55.3	55.2	55.3	55.3
201 Investor Owned Utilities	1350	1356	1357	1357	1358	1357	1325	1307	1308	1307
202 Marketer	151	151	151	151	155	156	188	222	224	224
203 Municipality	336	336	336	335	336	336	336	318	317	317
204 Other	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
205 Public Utility District	177	177	177	177	177	177	177	177	177	177
<b>206 Total</b>	<b>2109</b>	<b>2115</b>	<b>2116</b>	<b>2115</b>	<b>2117</b>	<b>2116</b>	<b>2116</b>	<b>2115</b>	<b>2117</b>	<b>2116</b>

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**Exhibit 13**  
**Table A-12: Regional Cogeneration Resources**

**Annual Energy**  
**Operating Year 2017 to 2026**  
**Using 1937-Water Conditions**

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**Table A-12: Regional: Cogeneration Resources**  
**Operating Year: 2017 to 2026**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
<b>Cogeneration Resources</b>										
1 Biomass One	14.6	14.6	14.6	14.7	14.6	14.6	14.6	14.7	14.6	14.6
2 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0
3 Cogen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
4 Cogen Co 2	5.67	5.67	5.67	5.68	5.67	5.67	5.67	5.68	5.67	5.67
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	209	209	209	209	209	209	209	209	209	209
7 Coyote Springs 2	243	243	233	245	243	233	245	243	233	245
8 Evergreen Biopower Cogen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9 Ferndale Cogeneration Station	225	225	225	225	225	225	225	225	225	225
10 Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
11 Georgia-Pacific Paper (Camas)	10.00	9.73	10.00	9.73	10.00	9.73	10.00	9.73	10.00	9.73
12 Georgia-Pacific Paper (Wauna)	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
13 Haleywest L.L.C	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20
14 Hampton Lumber Mill (Darrington)	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
15 Hermiston Generation Project	401	408	399	401	408	399	401	408	399	401
16 Hermiston Power Project	567	567	567	567	567	567	567	567	567	567
17 International Paper Energy Center	16.4	16.7	16.7	16.4	16.4	16.4	16.7	16.7	16.4	16.4
18 International Paper Energy Center 2	6.31	6.41	6.44	6.32	6.31	6.31	6.41	6.44	6.31	6.31
19 International Paper Energy Center 1	10.1	10.3	10.3	10.1	10.1	10.1	10.3	10.3	10.1	10.1
20 InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
21 Longview Fibre Paper & Packaging	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
22 Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	124	124	124	124	124	124	124	124	124	124
25 Metro West Point	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
26 Nippon Paper Cogen (Port Angel)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
27 Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
28 Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
29 Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
30 Potlatch	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
31 Potlatch NG 1	9.06	9.06	9.06	9.06	9.06	9.06	9.06	9.06	9.06	9.06
32 Potlatch Wood Waste 1	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
33 Rock-Tenn Tacoma Kraft CoGen	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
34 Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35 Rupert Cogeneration Facility	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39
36 SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
37 Seneca Sawmill Cogen	11.1	11.7	11.1	11.7	11.1	11.7	11.1	11.7	11.1	11.7
38 Sierra Pacific - Aberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
39 Sierra Pacific - Burlington	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
40 Simplot Pocatello	8.18	8.18	8.18	8.18	8.18	8.18	8.18	8.18	8.18	8.18
41 SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104
42 SP Newsprint cogen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
43 SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
44 Sumas	123	123	123	123	123	123	123	123	123	123
45 Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
46 Tamarack	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91
47 TASC0 - Nampa	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
48 TASC0 - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
49 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0
50 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0
51 Wah Chang Cogen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
52 Warm Springs Cogen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
53 Weyerhaeuser Longview	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
54 Weyerhaeuser Longview 2	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
55 Weyerhaeuser Longview 1	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7



**Table A-12: Regional: Cogeneration Resources**

**Operating Year: 2017 to 2026**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
<b>Total Cogeneration Resources</b>										
56 Cooperative	6.93	6.93	6.42	0.94	0.94	0.94	0.94	0.94	0.94	0.94
57 Direct Service Industry	34.5	34.5	34.5	34.5	37.3	53.8	53.8	53.8	53.8	53.8
58 Federal Entities	0	0	0	0	0	0	0	0	0	0
59 Investor Owned Utilities	1460	1467	1449	1462	1467	1449	1462	1467	1449	1462
60 Marketer	768	768	769	789	791	835	835	835	835	835
61 Municipality	110	111	110	95.6	92.1	40.2	39.6	40.2	39.6	40.2
62 Public Utility District	15.8	15.8	15.8	15.8	14.5	6.20	6.20	6.20	6.20	6.20
<b>63 Total</b>	<b>2396</b>	<b>2403</b>	<b>2385</b>	<b>2398</b>	<b>2402</b>	<b>2384</b>	<b>2398</b>	<b>2404</b>	<b>2384</b>	<b>2398</b>

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**Exhibit 14**  
**Table A-13: Regional Large Thermal Resources**

**Annual Energy**  
**Operating Year 2017 to 2026**  
**Using 1937-Water Conditions**

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**Table A-13: Regional: Large Thermal Resources**  
**Operating Year: 2017 to 2026**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
<b>Large Thermal Resources</b>										
1 Boardman	488	488	488	489	224	0	0	0	0	0
2 Centralia Complex	1181	1203	1203	1203	811	590	590	601	601	209
3 Centralia 1	590	601	601	601	209	0	0	0	0	0
4 Centralia 2	590	601	601	601	601	590	590	601	601	209
5 Colstrip	1345	1415	1349	1345	1415	1349	1347	1416	1349	1345
6 Colstrip 1	128	125	137	128	125	136	131	125	137	128
7 Colstrip 2	117	131	137	117	131	137	117	131	137	117
8 Colstrip 3	421	481	481	421	481	481	421	481	481	421
9 Colstrip 4	679	679	594	679	679	594	679	679	594	679
10 Columbia Generating Station	916	1075	916	1075	916	1075	916	1075	916	1075
11 Jim Bridger	1849	1863	1875	1839	1878	1869	1878	1863	1875	1838
12 Jim Bridger #1	483	451	479	427	483	458	483	451	479	427
13 Jim Bridger #2	455	493	476	493	476	493	476	493	476	493
14 Jim Bridger #3	450	477	477	477	477	477	477	477	477	477
15 Jim Bridger #4	461	442	442	442	442	442	442	442	442	442
16 Valmy	225	225	225	226	225	164	116	116	116	50.4
17 North Valmy 1	110	110	110	110	110	48.0	0	0	0	0
18 North Valmy 2	116	116	116	116	116	116	116	116	116	50.4
<b>Total Large Thermal Resources</b>										
19 Federal Entities	916	1075	916	1075	916	1075	916	1075	916	1075
20 Investor Owned Utilities	4162	4285	4256	4239	4084	3716	3676	3735	3680	3353
21 Marketer	877	862	862	862	470	256	256	260	260	90.7
22 Municipality	48.8	48.8	22.4	0	0	0	0	0	0	0
<b>23 Total</b>	<b>6004</b>	<b>6270</b>	<b>6056</b>	<b>6176</b>	<b>5470</b>	<b>5047</b>	<b>4848</b>	<b>5071</b>	<b>4857</b>	<b>4518</b>

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**Exhibit 15**  
**Table A-14: Regional Small Thermal & Miscellaneous**  
  
**Annual Energy**  
**Operating Year 2017 to 2026**  
**Using 1937-Water Conditions**

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**Table A-14: Regional: Small Thermal & Miscellaneous**

**Operating Year: 2017 to 2026**

**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
<b>Small Thermal &amp; Miscellaneous</b>										
1 Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0
2 Bangor Base 1	0	0	0	0	0	0	0	0	0	0
3 Bangor Base 2	0	0	0	0	0	0	0	0	0	0
4 Boundary IC	0	0	0	0	0	0	0	0	0	0
5 Colstrip Energy Project	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
6 Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7 Crystal Mountain	0	0	0	0	0	0	0	0	0	0
8 Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10 Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0
11 Salmon Diesel	0	0	0	0	0	0	0	0	0	0
12 Spokane MSW	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
13 West Boise Waste	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
<b>Total Small Thermal &amp; Miscellaneous</b>										
14 Federal Entities	0	0	0	0	0	0	0	0	0	0
15 Investor Owned Utilities	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
16 Municipality	0	0	0	0	0	0	0	0	0	0
17 Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
<b>18 Total</b>	<b>35.9</b>	<b>35.9</b>	<b>35.9</b>	<b>35.9</b>	<b>35.9</b>	<b>35.9</b>	<b>35.9</b>	<b>35.9</b>	<b>35.9</b>	<b>35.9</b>

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**Exhibit 16**  
**Table A-15: Non-Federal CER Deliveries to BPA**

**Annual Energy**  
**Operating Year 2017 to 2026**  
**Using 1937-Water Conditions**

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**Table A-15: Non-Federal CER Deliveries to BPA**  
**Operating Year 2017 to 2026**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
<b>Pacific Northwest</b>										
1 CHPD to BPA CEAEA for Rock Island	18.1	17.9	18.2	18.3	18.3	18.2	18.3	18.3	18.3	18.3
2 CHPD to BPA CEAEA for Rocky Reach	37.5	37.3	37.5	37.7	37.7	37.6	37.7	37.7	37.9	37.9
3 DOPD to BPA CEAEA for Wells	24.0	24.0	23.7	23.4	23.4	23.4	23.4	23.4	23.4	23.4
4 GCPD to BPA CEAEA for Priest Rapids	29.3	29.3	28.9	28.6	28.6	28.5	28.6	28.6	28.6	28.5
5 GCPD to BPA CEAEA for Wanpum	28.1	28.3	28.4	28.6	28.6	28.5	28.6	28.6	28.7	28.7
<b>6 Total Imports From PNW</b>	<b>137</b>	<b>137</b>	<b>137</b>	<b>137</b>	<b>137</b>	<b>136</b>	<b>137</b>	<b>137</b>	<b>137</b>	<b>137</b>
<b>Total Imports</b>										
7 Federal Entities	137	137	137	137	137	136	137	137	137	137
<b>8 Total Imports</b>	<b>137</b>	<b>137</b>	<b>137</b>	<b>137</b>	<b>137</b>	<b>136</b>	<b>137</b>	<b>137</b>	<b>137</b>	<b>137</b>

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***Exhibit 17***  
***Federal Report Surplus Deficit By Water Year***  
***80 Water Year Federal Surplus/Deficit***

***Annual Energy***  
***Operating Year 2017 to 2026***  
***Using 1937-Water Conditions***

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**Federal Report Surplus Deficit By Water Year**  
**Operating Year 2017 to 2026**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW - Surplus Deficit	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
1 1929 Federal Report Surplus Deficit	110	257	61	163	-12.0	37.4	-115	31.8	-145	1.14
2 1930 Federal Report Surplus Deficit	39.4	189	-5.7	97	-76	-27.4	-180	-32.5	-210	-64
3 1931 Federal Report Surplus Deficit	-29.2	57	-137	-36.7	-211	-157	-308	-163	-338	-192
4 1932 Federal Report Surplus Deficit	1030	1211	1020	1116	903	954	802	944	772	919
5 1933 Federal Report Surplus Deficit	1823	1988	1812	1893	1669	1720	1567	1717	1537	1683
6 1934 Federal Report Surplus Deficit	2775	3030	2862	2971	2759	2813	2661	2814	2631	2778
7 1935 Federal Report Surplus Deficit	1024	1198	1007	1112	930	981	829	980	799	945
8 1936 Federal Report Surplus Deficit	820	984	787	884	665	716	563	708	533	679
9 1937 Federal Report Surplus Deficit	16.3	102	-93	7.4	-167	-116	-268	-121	-298	-152
10 1938 Federal Report Surplus Deficit	1564	1748	1561	1662	1439	1488	1336	1485	1306	1452
11 1939 Federal Report Surplus Deficit	591	744	551	654	474	524	372	519	342	488
12 1940 Federal Report Surplus Deficit	820	985	797	898	723	774	621	767	591	738
13 1941 Federal Report Surplus Deficit	287	375	180	281	108	158	6.2	153	-23.9	122
14 1942 Federal Report Surplus Deficit	1122	1269	1074	1174	996	1046	894	1039	864	1010
15 1943 Federal Report Surplus Deficit	2108	2296	2142	2228	1977	2026	1873	2022	1843	1990
16 1944 Federal Report Surplus Deficit	-44.4	96	-101	1.92	-171	-121	-274	-126	-304	-157
17 1945 Federal Report Surplus Deficit	242	389	192	291	110	159	7.1	153	-22.9	123
18 1946 Federal Report Surplus Deficit	1559	1758	1578	1679	1451	1500	1347	1492	1317	1463
19 1947 Federal Report Surplus Deficit	2136	2354	2171	2276	2074	2123	1971	2121	1941	2087
20 1948 Federal Report Surplus Deficit	2469	2716	2549	2633	2349	2399	2246	2393	2216	2362
21 1949 Federal Report Surplus Deficit	1655	1833	1656	1769	1534	1583	1431	1575	1401	1547
22 1950 Federal Report Surplus Deficit	2133	2325	2174	2263	2009	2057	1905	2055	1875	2021
23 1951 Federal Report Surplus Deficit	2963	3209	3024	3134	2884	2931	2778	2930	2748	2894
24 1952 Federal Report Surplus Deficit	2334	2525	2348	2454	2218	2267	2114	2262	2084	2230
25 1953 Federal Report Surplus Deficit	1439	1601	1423	1504	1257	1307	1154	1304	1124	1270
26 1954 Federal Report Surplus Deficit	2234	2425	2250	2350	2078	2127	1975	2126	1945	2091
27 1955 Federal Report Surplus Deficit	1788	1936	1758	1845	1612	1661	1509	1654	1479	1625
28 1956 Federal Report Surplus Deficit	3031	3286	3133	3228	2949	2998	2845	2997	2815	2961
29 1957 Federal Report Surplus Deficit	1968	2117	1954	2043	1785	1834	1681	1824	1651	1798
30 1958 Federal Report Surplus Deficit	1595	1775	1585	1687	1456	1506	1353	1501	1323	1470
31 1959 Federal Report Surplus Deficit	2373	2618	2454	2558	2327	2376	2223	2375	2193	2340
32 1960 Federal Report Surplus Deficit	2517	2733	2549	2645	2429	2479	2327	2473	2297	2443
33 1961 Federal Report Surplus Deficit	1795	2001	1831	1926	1690	1741	1589	1738	1559	1705
34 1962 Federal Report Surplus Deficit	1388	1576	1393	1495	1290	1339	1187	1336	1157	1303
35 1963 Federal Report Surplus Deficit	1568	1740	1548	1650	1451	1502	1350	1498	1319	1466
36 1964 Federal Report Surplus Deficit	1503	1663	1486	1575	1307	1357	1204	1350	1174	1321
37 1965 Federal Report Surplus Deficit	2854	3120	2963	3072	2819	2866	2713	2866	2682	2829
38 1966 Federal Report Surplus Deficit	1342	1509	1315	1416	1234	1284	1131	1278	1100	1247
39 1967 Federal Report Surplus Deficit	1926	2118	1954	2044	1796	1846	1694	1846	1664	1810
40 1968 Federal Report Surplus Deficit	1570	1747	1562	1664	1456	1505	1352	1503	1322	1468
41 1969 Federal Report Surplus Deficit	2704	2944	2783	2888	2645	2694	2540	2690	2510	2657
42 1970 Federal Report Surplus Deficit	1314	1478	1287	1380	1170	1218	1066	1215	1036	1183
43 1971 Federal Report Surplus Deficit	2547	2783	2636	2719	2428	2475	2321	2475	2291	2438
44 1972 Federal Report Surplus Deficit	3048	3252	3093	3192	2865	2912	2759	2911	2729	2875
45 1973 Federal Report Surplus Deficit	789	942	745	847	672	721	567	714	537	684
46 1974 Federal Report Surplus Deficit	2920	3200	3050	3157	2864	2912	2759	2913	2729	2875
47 1975 Federal Report Surplus Deficit	1911	2091	1914	2014	1777	1824	1671	1819	1641	1787
48 1976 Federal Report Surplus Deficit	3047	3281	3118	3226	2979	3027	2873	3023	2843	2989
49 1977 Federal Report Surplus Deficit	495	598	400	503	324	376	223	370	193	339
50 1978 Federal Report Surplus Deficit	1259	1470	1281	1381	1178	1227	1075	1224	1045	1191
51 1979 Federal Report Surplus Deficit	918	1079	885	986	796	845	691	837	661	807
52 1980 Federal Report Surplus Deficit	1052	1203	1024	1113	876	926	774	919	744	890
53 1981 Federal Report Surplus Deficit	1864	2032	1856	1956	1718	1769	1617	1767	1587	1733
54 1982 Federal Report Surplus Deficit	2774	2973	2803	2919	2642	2689	2537	2691	2507	2653
55 1983 Federal Report Surplus Deficit	2552	2728	2560	2658	2432	2479	2325	2475	2295	2442



### Federal Report Surplus Deficit By Water Year

Operating Year 2017 to 2026

2015 White Book Report Date: 6/30/2015 *Continued*

S129-WB-20151029-154000

Energy-aMW - Surplus Deficit	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
56 1984 Federal Report Surplus Deficit	2548	2720	2551	2646	2422	2469	2315	2464	2285	2431
57 1985 Federal Report Surplus Deficit	1174	1340	1150	1253	1052	1101	948	1095	918	1064
58 1986 Federal Report Surplus Deficit	1925	2117	1942	2049	1833	1881	1727	1878	1697	1843
59 1987 Federal Report Surplus Deficit	727	820	624	724	544	594	441	586	411	557
60 1988 Federal Report Surplus Deficit	34.1	172	-23.2	77	-96	-44.9	-197	-51	-227	-80
61 1989 Federal Report Surplus Deficit	742	907	715	815	636	686	534	678	504	650
62 1990 Federal Report Surplus Deficit	1646	1829	1647	1747	1536	1586	1433	1585	1403	1550
63 1991 Federal Report Surplus Deficit	2144	2345	2163	2263	2049	2099	1947	2096	1917	2063
64 1992 Federal Report Surplus Deficit	458	548	352	454	279	330	178	324	148	294
65 1993 Federal Report Surplus Deficit	445	598	405	504	316	366	214	357	184	330
66 1994 Federal Report Surplus Deficit	444	527	331	431	258	307	154	300	124	271
67 1995 Federal Report Surplus Deficit	1120	1291	1102	1195	984	1034	882	1030	852	998
68 1996 Federal Report Surplus Deficit	3473	3708	3549	3660	3392	3440	3287	3440	3257	3403
69 1997 Federal Report Surplus Deficit	3218	3438	3301	3424	3114	3162	3008	3162	2978	3124
70 1998 Federal Report Surplus Deficit	2120	2291	2091	2181	1942	1990	1836	1983	1806	1952
71 1999 Federal Report Surplus Deficit	2491	2686	2530	2623	2371	2419	2266	2417	2236	2382
72 2000 Federal Report Surplus Deficit	2064	2255	2067	2169	1968	2017	1864	2012	1834	1980
73 2001 Federal Report Surplus Deficit	5.0	92	-103	-0.10	-175	-124	-276	-129	-306	-160
74 2002 Federal Report Surplus Deficit	967	1142	952	1047	831	881	729	874	699	845
75 2003 Federal Report Surplus Deficit	797	965	773	874	687	737	585	731	555	701
76 2004 Federal Report Surplus Deficit	611	770	575	674	500	550	398	543	368	514
77 2005 Federal Report Surplus Deficit	945	1104	910	1013	834	884	732	880	702	848
78 2006 Federal Report Surplus Deficit	1885	2076	1895	1999	1761	1809	1657	1805	1627	1773
79 2007 Federal Report Surplus Deficit	1399	1571	1384	1487	1299	1348	1196	1344	1166	1312
80 2008 Federal Report Surplus Deficit	1141	1307	1132	1219	955	1010	857	1003	827	973
<b>Ranked Averages</b>										
81 <b>Bottom 10 pct</b>	<b>46.7</b>	<b>168</b>	<b>-27.8</b>	<b>74</b>	<b>-100</b>	<b>-49.3</b>	<b>-201</b>	<b>-55</b>	<b>-231</b>	<b>-85</b>
82 <b>Middle 80 pct</b>	<b>1550</b>	<b>1726</b>	<b>1544</b>	<b>1642</b>	<b>1424</b>	<b>1474</b>	<b>1321</b>	<b>1469</b>	<b>1291</b>	<b>1438</b>
83 <b>Top 10 pct</b>	<b>3069</b>	<b>3312</b>	<b>3154</b>	<b>3261</b>	<b>2983</b>	<b>3031</b>	<b>2878</b>	<b>3030</b>	<b>2848</b>	<b>2994</b>

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***Exhibit 18***  
***Regional Report Surplus Deficit By Water Year***  
***80 Water Year Regional Surplus/Deficit***

***Annual Energy***  
***Operating Year 2017 to 2026***  
***Using 1937-Water Conditions***

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**Regional Report Surplus Deficit By Water Year**

**Operating Year 2017 to 2026**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW - Surplus Deficit	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
1 1929 Regional Report Surplus Deficit	4866	4845	4343	4222	3215	2517	2039	2047	1585	1034
2 1930 Regional Report Surplus Deficit	4463	4446	3945	3828	2823	2127	1648	1660	1195	644
3 1931 Regional Report Surplus Deficit	4169	4066	3566	3444	2447	1752	1274	1281	821	269
4 1932 Regional Report Surplus Deficit	6588	6611	6116	5985	4926	4231	3753	3753	3300	2749
5 1933 Regional Report Surplus Deficit	8344	8342	7864	7718	6620	5925	5447	5461	4994	4442
6 1934 Regional Report Surplus Deficit	10409	10529	10065	9959	8904	8210	7732	7752	7278	6727
7 1935 Regional Report Surplus Deficit	6814	6827	6332	6220	5195	4499	4021	4038	3568	3016
8 1936 Regional Report Surplus Deficit	6125	6126	5622	5495	4418	3723	3245	3250	2791	2240
9 1937 Regional Report Surplus Deficit	4397	4293	3792	3669	2659	1964	1486	1493	1032	481
10 1938 Regional Report Surplus Deficit	7845	7870	7381	7261	6174	5474	4996	5008	4542	3991
11 1939 Regional Report Surplus Deficit	5814	5799	5302	5184	4170	3472	2993	3004	2540	1989
12 1940 Regional Report Surplus Deficit	6050	6051	5561	5440	4425	3727	3249	3257	2795	2244
13 1941 Regional Report Surplus Deficit	4707	4605	4106	3987	2975	2275	1797	1807	1344	792
14 1942 Regional Report Surplus Deficit	6646	6622	6123	6000	4977	4276	3798	3805	3345	2793
15 1943 Regional Report Surplus Deficit	9047	9080	8634	8494	7365	6663	6184	6198	5731	5180
16 1944 Regional Report Surplus Deficit	4470	4440	3938	3820	2810	2110	1631	1643	1178	627
17 1945 Regional Report Surplus Deficit	4963	4941	4438	4315	3291	2593	2115	2123	1661	1110
18 1946 Regional Report Surplus Deficit	8025	8070	7591	7469	6378	5676	5198	5205	4745	4193
19 1947 Regional Report Surplus Deficit	9096	9166	8682	8570	7522	6822	6344	6362	5890	5339
20 1948 Regional Report Surplus Deficit	9748	9845	9389	9239	8073	7375	6896	6906	6443	5892
21 1949 Regional Report Surplus Deficit	8149	8166	7689	7584	6480	5779	5300	5305	4847	4296
22 1950 Regional Report Surplus Deficit	9339	9378	8938	8800	7663	6966	6488	6504	6034	5483
23 1951 Regional Report Surplus Deficit	11225	11330	10843	10739	9612	8907	8428	8450	7975	7424
24 1952 Regional Report Surplus Deficit	9652	9679	9204	9090	7951	7246	6768	6780	6314	5763
25 1953 Regional Report Surplus Deficit	7687	7683	7206	7060	5933	5228	4750	4766	4296	3745
26 1954 Regional Report Surplus Deficit	9475	9509	9036	8917	7757	7049	6570	6589	6117	5566
27 1955 Regional Report Surplus Deficit	8386	8364	7885	7745	6650	5943	5465	5470	5011	4460
28 1956 Regional Report Surplus Deficit	11225	11341	10895	10767	9587	8883	8404	8422	7951	7400
29 1957 Regional Report Surplus Deficit	8835	8811	8355	8217	7044	6335	5856	5860	5403	4851
30 1958 Regional Report Surplus Deficit	7975	7995	7502	7385	6272	5564	5086	5099	4632	4081
31 1959 Regional Report Surplus Deficit	9613	9730	9272	9157	8064	7355	6877	6895	6423	5872
32 1960 Regional Report Surplus Deficit	10003	10066	9581	9453	8381	7679	7200	7209	6747	6196
33 1961 Regional Report Surplus Deficit	8330	8386	7920	7793	6694	5991	5513	5529	5060	4508
34 1962 Regional Report Surplus Deficit	7428	7460	6975	6857	5798	5095	4616	4630	4163	3612
35 1963 Regional Report Surplus Deficit	7982	7991	7495	7379	6323	5618	5140	5155	4686	4135
36 1964 Regional Report Surplus Deficit	7834	7827	7351	7214	6067	5364	4886	4894	4433	3881
37 1965 Regional Report Surplus Deficit	10641	10774	10325	10219	9081	8379	7901	7924	7447	6896
38 1966 Regional Report Surplus Deficit	7518	7521	7021	6901	5876	5171	4693	4703	4239	3688
39 1967 Regional Report Surplus Deficit	8732	8766	8308	8176	7049	6347	5869	5889	5416	4864
40 1968 Regional Report Surplus Deficit	8097	8112	7626	7510	6452	5752	5274	5293	4820	4269
41 1969 Regional Report Surplus Deficit	10398	10500	10045	9931	8808	8107	7628	7643	7175	6624
42 1970 Regional Report Surplus Deficit	7385	7384	6890	6760	5693	4991	4513	4527	4059	3508
43 1971 Regional Report Surplus Deficit	10139	10228	9798	9659	8464	7761	7283	7307	6830	6278
44 1972 Regional Report Surplus Deficit	11313	11362	10911	10791	9537	8831	8352	8373	7899	7348
45 1973 Regional Report Surplus Deficit	6394	6379	5876	5756	4743	4038	3560	3569	3107	2555
46 1974 Regional Report Surplus Deficit	10946	11098	10659	10552	9332	8627	8149	8175	7696	7144
47 1975 Regional Report Surplus Deficit	8829	8849	8373	8251	7118	6417	5939	5951	5486	4934
48 1976 Regional Report Surplus Deficit	11213	11299	10846	10735	9614	8908	8430	8445	7977	7425
49 1977 Regional Report Surplus Deficit	5428	5348	4843	4724	3711	3007	2529	2538	2075	1524
50 1978 Regional Report Surplus Deficit	7183	7244	6752	6631	5572	4870	4391	4405	3938	3387
51 1979 Regional Report Surplus Deficit	6493	6489	5991	5871	4836	4138	3659	3669	3206	2655
52 1980 Regional Report Surplus Deficit	6808	6790	6312	6174	5069	4368	3890	3897	3436	2885
53 1981 Regional Report Surplus Deficit	8382	8384	7909	7791	6692	5994	5515	5534	5062	4511
54 1982 Regional Report Surplus Deficit	10330	10374	9908	9811	8618	7916	7438	7463	6984	6433
55 1983 Regional Report Surplus Deficit	10131	10144	9680	9558	8460	7755	7277	7294	6823	6272

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2017 to 2026**

**2015 White Book** Report Date: **6/30/2015** *Continued*

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Energy-aMW - Surplus Deficit	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
56 1984 Regional Report Surplus Deficit	9974	9980	9515	9388	8267	7560	7082	7095	6628	6077
57 1985 Regional Report Surplus Deficit	7165	7171	6678	6560	5508	4799	4321	4331	3867	3316
58 1986 Regional Report Surplus Deficit	8731	8766	8294	8184	7108	6402	5924	5942	5470	4919
59 1987 Regional Report Surplus Deficit	6152	6056	5556	5433	4415	3712	3233	3241	2780	2229
60 1988 Regional Report Surplus Deficit	4498	4464	3964	3840	2833	2134	1656	1661	1202	651
61 1989 Regional Report Surplus Deficit	6110	6112	5617	5491	4475	3782	3303	3307	2850	2299
62 1990 Regional Report Surplus Deficit	8118	8141	7659	7539	6485	5788	5310	5329	4856	4305
63 1991 Regional Report Surplus Deficit	9155	9201	8718	8598	7548	6852	6374	6390	5920	5369
64 1992 Regional Report Surplus Deficit	5275	5176	4674	4555	3564	2874	2396	2406	1942	1391
65 1993 Regional Report Surplus Deficit	5282	5267	4770	4643	3620	2931	2452	2455	1999	1448
66 1994 Regional Report Surplus Deficit	5275	5178	4675	4552	3562	2865	2386	2393	1933	1382
67 1995 Regional Report Surplus Deficit	6868	6872	6380	6251	5192	4501	4023	4037	3570	3018
68 1996 Regional Report Surplus Deficit	12014	12104	11652	11550	10396	9700	9221	9246	8768	8217
69 1997 Regional Report Surplus Deficit	11493	11564	11142	11056	9838	9139	8660	8684	8207	7656
70 1998 Regional Report Surplus Deficit	9313	9321	8813	8677	7561	6863	6384	6395	5931	5380
71 1999 Regional Report Surplus Deficit	10019	10058	9610	9481	8334	7632	7154	7173	6700	6149
72 2000 Regional Report Surplus Deficit	9011	9045	8553	8435	7386	6688	6210	6222	5757	5205
73 2001 Regional Report Surplus Deficit	4280	4178	3678	3559	2555	1854	1375	1386	922	371
74 2002 Regional Report Surplus Deficit	6408	6422	5928	5800	4739	4045	3567	3573	3113	2562
75 2003 Regional Report Surplus Deficit	5958	5964	5468	5347	4326	3637	3158	3166	2705	2154
76 2004 Regional Report Surplus Deficit	5680	5673	5173	5049	4050	3355	2876	2882	2423	1872
77 2005 Regional Report Surplus Deficit	6336	6329	5829	5713	4702	4009	3531	3544	3078	2526
78 2006 Regional Report Surplus Deficit	8352	8385	7904	7790	6675	5981	5503	5517	5050	4498
79 2007 Regional Report Surplus Deficit	7541	7550	7061	6945	5916	5216	4737	4751	4284	3733
80 2008 Regional Report Surplus Deficit	6747	6743	6270	6129	5001	4306	3828	3835	3374	2823
<b>Ranked Averages</b>										
81 <b>Bottom 10 pct</b>	<b>4481</b>	<b>4417</b>	<b>3917</b>	<b>3796</b>	<b>2790</b>	<b>2092</b>	<b>1613</b>	<b>1622</b>	<b>1160</b>	<b>609</b>
82 <b>Middle 80 pct</b>	<b>7843</b>	<b>7857</b>	<b>7375</b>	<b>7251</b>	<b>6174</b>	<b>5474</b>	<b>4995</b>	<b>5007</b>	<b>4542</b>	<b>3991</b>
83 <b>Top 10 pct</b>	<b>11259</b>	<b>11359</b>	<b>10909</b>	<b>10801</b>	<b>9624</b>	<b>8922</b>	<b>8443</b>	<b>8465</b>	<b>7990</b>	<b>7439</b>

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## **Section 2: Monthly Energy Operating Year 2017 to 2026**

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***Exhibit 19***  
***Federal Report Surplus Deficit***

***Monthly Energy***  
***Operating Year 2017 to 2026***  
***Using 1937-Water Conditions***

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**Loads and Resources - Federal System**  
**Operating Year: 2017 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Obligations</b>															
<b>1 Load Following</b>	3528	3530	3210	2975	3461	3905	3845	3668	3261	3311	3286	3278	3379	3710	3460
2 Preference Customers	3125	3128	2857	2762	3294	3720	3673	3500	3061	2943	2917	2845	2940	3203	3158
3 Federal Agencies	103	103	94.9	102	129	148	150	143	129	113	112	103	94.9	104	118
4 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	255	257	330	344	404	184
5 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>6 Tier 1 Block</b>	2.56	2.56	5.29	10.2	46.1	40.4	56.9	55.7	47.7	3.10	3.10	0	0	11.4	23.1
7 Tier 1 Block	2.56	2.56	5.29	10.2	46.1	40.4	56.9	55.7	47.7	3.10	3.10	0	0	11.4	23.1
<b>8 Slice</b>	3500	3275	3211	3318	4150	4306	3956	3880	3732	3323	3202	3822	3249	3354	3635
9 Slice Block	1573	1573	1643	1662	2048	2276	2305	2130	1982	1671	1671	1477	1385	1609	1812
10 Slice Output from T1 System	1927	1702	1568	1656	2102	2031	1651	1750	1750	1652	1531	2345	1864	1746	1823
<b>11 Direct Service Industries</b>	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.6	91.2	90.9	90.7	90.7	91.1
12 DSI	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.6	91.2	90.9	90.7	90.7	91.1
<b>13 Contract Deliveries</b>	642	646	516	512	730	726	736	733	624	656	623	533	538	559	624
14 Exports	627	631	502	498	493	491	502	499	505	534	501	519	523	544	519
15 Intra-Regional Transfers (Out)	14.8	14.8	13.7	13.8	236	235	234	234	119	122	122	14.5	14.4	15.8	105
<b>16 Total Firm Obligations</b>	<b>7764</b>	<b>7545</b>	<b>7033</b>	<b>6906</b>	<b>8478</b>	<b>9069</b>	<b>8686</b>	<b>8428</b>	<b>7756</b>	<b>7385</b>	<b>7205</b>	<b>7725</b>	<b>7257</b>	<b>7726</b>	<b>7833</b>
<b>Net Resources</b>															
<b>17 Hydro Resources</b>	7090	6197	5546	5750	7582	7303	5845	6231	6147	5978	5501	9348	7840	6523	6711
18 Regulated Hydro - Net	6727	5836	5212	5426	7308	7121	5696	6076	5892	5541	5052	8627	7174	6117	6355
19 Independent Hydro - Net	361	358	332	321	271	179	145	152	251	434	445	718	664	403	354
20 Small Hydro - Net	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.05	3.10	3.09	3.09	2.83	2.72	2.63	2.88
<b>21 Other Resources</b>	1126	1163	1144	1138	1120	1125	1109	1104	1144	1148	1132	414	90.3	1032	976
22 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Large Thermal Resources	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	347	0	971	916
25 Renewable Resources	51.2	87.5	69.4	62.9	45.5	50.3	34.2	29.4	69.4	73.1	56.7	67.2	90.3	60.9	59.7
26 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>27 Contract Purchases</b>	344	341	383	435	439	432	427	424	444	401	393	354	415	339	402
28 Imports	65.4	65.6	64.9	115	115	115	114	115	116	65.4	64.3	65.0	65.4	64.4	89.9
29 Intra-Regional Transfers (In)	103	103	149	154	147	140	147	138	157	166	172	105	176	107	141
30 Non-Federal CER	139	141	139	134	138	138	134	137	139	139	128	139	139	134	137
31 Slice Transmission Loss Return	36.6	32.3	29.8	31.5	39.9	38.6	31.4	33.3	33.3	31.4	29.1	44.6	35.4	33.2	34.6
32 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>33 Reserves &amp; Losses</b>	-254	-229	-210	-217	-272	-263	-219	-230	-230	-224	-209	-300	-248	-234	-240
34 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Transmission Losses	-254	-229	-210	-217	-272	-263	-219	-230	-230	-224	-209	-300	-248	-234	-240
<b>39 Total Net Resources</b>	<b>8306</b>	<b>7471</b>	<b>6863</b>	<b>7106</b>	<b>8871</b>	<b>8597</b>	<b>7162</b>	<b>7529</b>	<b>7506</b>	<b>7304</b>	<b>6817</b>	<b>9815</b>	<b>8098</b>	<b>7659</b>	<b>7849</b>
<b>40 Total Surplus/Deficit</b>	<b>542</b>	<b>-74</b>	<b>-169</b>	<b>199</b>	<b>393</b>	<b>-472</b>	<b>-1,524</b>	<b>-899</b>	<b>-250</b>	<b>-81</b>	<b>-388</b>	<b>2,091</b>	<b>841</b>	<b>-67</b>	<b>16</b>

**Loads and Resources - Federal System**  
**Operating Year: 2018 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Obligations</b>															
41 <b>Load Following</b>	3542	3545	3224	2989	3468	3903	3890	3706	3313	3316	3341	3306	3408	3744	3485
42 Preference Customers	3137	3140	2869	2773	3297	3712	3714	3535	3110	2944	2971	2870	2967	3235	3180
43 Federal Agencies	106	106	97.5	105	133	153	153	146	132	114	115	105	97.0	106	121
44 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	257	255	330	344	404	184
45 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 <b>Tier 1 Block</b>	11.7	11.7	24.1	10.2	46.2	40.5	57.0	55.8	47.8	3.10	3.10	0	0	11.4	25.5
47 Tier 1 Block	11.7	11.7	24.1	10.2	46.2	40.5	57.0	55.8	47.8	3.10	3.10	0	0	11.4	25.5
48 <b>Slice</b>	3528	3304	3249	3311	4156	4313	3966	3889	3732	3246	3096	3881	3494	3362	3661
49 Slice Block	1603	1603	1673	1661	2045	2274	2303	2128	1980	1670	1670	1476	1386	1607	1816
50 Slice Output from T1 System	1925	1701	1576	1650	2111	2039	1663	1761	1752	1577	1426	2405	2109	1755	1845
51 <b>Direct Service Industries</b>	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.2	91.6	90.9	90.7	90.7	91.1
52 DSI	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.2	91.6	90.9	90.7	90.7	91.1
53 <b>Contract Deliveries</b>	647	651	523	518	627	621	611	607	555	553	588	518	523	550	573
54 Exports	633	636	509	504	499	495	485	482	489	485	520	504	508	534	513
55 Intra-Regional Transfers (Out)	14.8	14.8	13.7	13.8	127	126	126	125	65.5	67.9	68.0	14.5	14.4	15.8	59.9
56 <b>Total Firm Obligations</b>	<b>7820</b>	<b>7603</b>	<b>7111</b>	<b>6920</b>	<b>8387</b>	<b>8968</b>	<b>8615</b>	<b>8349</b>	<b>7738</b>	<b>7210</b>	<b>7120</b>	<b>7796</b>	<b>7516</b>	<b>7758</b>	<b>7835</b>
<b>Net Resources</b>															
57 <b>Hydro Resources</b>	7086	6197	5579	5750	7582	7303	5845	6231	6147	5653	5111	8887	7741	6490	6634
58 Regulated Hydro - Net	6722	5836	5245	5426	7308	7121	5696	6076	5892	5216	4663	8166	7074	6084	6278
59 Independent Hydro - Net	361	358	332	321	271	179	145	152	251	434	445	718	664	403	354
60 Small Hydro - Net	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.05	3.10	3.09	3.09	2.83	2.72	2.63	2.88
61 <b>Other Resources</b>	1126	1163	1144	1138	1120	1125	1109	1104	1144	1148	1132	1142	1165	1136	1135
62 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Large Thermal Resources	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075
65 Renewable Resources	51.2	87.5	69.4	62.9	45.5	50.3	34.2	29.4	69.4	73.1	56.7	67.2	90.3	60.9	59.7
66 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 <b>Contract Purchases</b>	350	347	390	458	447	437	437	431	452	400	403	361	426	345	411
68 Imports	65.4	65.6	64.9	115	115	114	115	115	116	64.3	65.4	65.0	65.4	64.4	89.9
69 Intra-Regional Transfers (In)	110	110	156	177	154	150	151	145	164	179	173	112	183	114	149
70 Non-Federal CER	139	140	139	134	138	134	139	137	139	127	138	138	138	133	137
71 Slice Transmission Loss Return	36.6	32.3	29.9	31.4	40.1	38.7	31.6	33.5	33.3	30.0	27.1	45.7	40.1	33.4	35.1
72 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 <b>Reserves &amp; Losses</b>	-254	-229	-211	-218	-272	-263	-220	-231	-230	-214	-197	-309	-277	-237	-243
74 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Transmission Losses	-254	-229	-211	-218	-272	-263	-220	-231	-230	-214	-197	-309	-277	-237	-243
79 <b>Total Net Resources</b>	<b>8308</b>	<b>7478</b>	<b>6902</b>	<b>7128</b>	<b>8878</b>	<b>8602</b>	<b>7171</b>	<b>7536</b>	<b>7513</b>	<b>6987</b>	<b>6448</b>	<b>10081</b>	<b>9054</b>	<b>7734</b>	<b>7937</b>
80 <b>Total Surplus/Deficit</b>	<b>487</b>	<b>-125</b>	<b>-208</b>	<b>208</b>	<b>491</b>	<b>-366</b>	<b>-1,443</b>	<b>-813</b>	<b>-225</b>	<b>-223</b>	<b>-672</b>	<b>2,285</b>	<b>1,539</b>	<b>-24</b>	<b>102</b>

**Loads and Resources - Federal System**  
**Operating Year: 2019 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Obligations</b>															
81 <b>Load Following</b>	3577	3580	3245	3015	3498	3934	3933	3748	3347	3355	3355	3332	3434	3772	3515
82 Preference Customers	3169	3172	2888	2797	3324	3740	3718	3540	3113	2957	2957	2872	2968	3237	3193
83 Federal Agencies	109	109	99.6	107	136	156	193	182	163	142	142	130	121	132	139
84 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
85 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 <b>Tier 1 Block</b>	11.7	11.7	24.2	10.2	46.2	40.5	57.0	55.8	47.8	3.10	3.10	0	0	11.4	25.5
87 Tier 1 Block	11.7	11.7	24.2	10.2	46.2	40.5	57.0	55.8	47.8	3.10	3.10	0	0	11.4	25.5
88 <b>Slice</b>	3511	3296	3240	3334	4182	4342	3996	3917	3756	3267	3123	3713	3234	3356	3638
89 Slice Block	1601	1601	1671	1681	2070	2302	2331	2154	2004	1690	1690	1495	1403	1627	1835
90 Slice Output from T1 System	1910	1695	1569	1652	2112	2040	1665	1762	1752	1577	1433	2218	1831	1730	1804
91 <b>Direct Service Industries</b>	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
92 DSI	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
93 <b>Contract Deliveries</b>	632	635	508	501	610	604	604	601	530	532	532	479	478	504	548
94 Exports	617	621	494	487	483	479	478	476	464	464	464	464	464	488	489
95 Intra-Regional Transfers (Out)	14.8	14.8	13.7	13.9	127	126	126	125	65.5	68.0	68.0	14.5	14.4	15.8	59.9
96 <b>Total Firm Obligations</b>	<b>7822</b>	<b>7614</b>	<b>7108</b>	<b>6951</b>	<b>8427</b>	<b>9012</b>	<b>8681</b>	<b>8412</b>	<b>7771</b>	<b>7249</b>	<b>7105</b>	<b>7614</b>	<b>7237</b>	<b>7735</b>	<b>7819</b>
<b>Net Resources</b>															
97 <b>Hydro Resources</b>	7054	6197	5579	5750	7582	7303	5845	6231	6147	5653	5111	8887	7741	6485	6633
98 Regulated Hydro - Net	6691	5836	5245	5426	7308	7121	5696	6076	5892	5216	4663	8166	7074	6079	6276
99 Independent Hydro - Net	361	358	332	321	271	179	145	152	251	434	445	718	664	403	354
100 Small Hydro - Net	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.05	3.10	3.09	3.09	2.83	2.72	2.63	2.88
101 <b>Other Resources</b>	1126	1163	1144	1138	1120	1125	1109	1104	1144	1148	1132	414	90.3	1032	976
102 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 Large Thermal Resources	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	347	0	971	916
105 Renewable Resources	51.2	87.5	69.4	62.9	45.5	50.3	34.2	29.4	69.4	73.1	56.7	67.2	90.3	60.9	59.7
106 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 <b>Contract Purchases</b>	356	353	330	389	392	379	383	371	365	317	314	329	317	320	354
108 Imports	65.4	65.6	64.3	116	115	114	115	115	115	65.4	65.4	65.0	64.9	65.0	89.9
109 Intra-Regional Transfers (In)	117	117	104	104	98.7	92.4	96.7	84.9	82.6	83.2	83.2	82.8	84.6	83.4	92.8
110 Non-Federal CER	138	139	132	138	138	134	139	137	134	138	138	139	133	139	137
111 Slice Transmission Loss Return	36.3	32.2	29.8	31.4	40.1	38.8	31.6	33.5	33.3	30.0	27.2	42.1	34.8	32.9	34.3
112 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 <b>Reserves &amp; Losses</b>	-254	-229	-210	-216	-270	-262	-218	-229	-227	-211	-195	-286	-242	-233	-236
114 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118 Transmission Losses	-254	-229	-210	-216	-270	-262	-218	-229	-227	-211	-195	-286	-242	-233	-236
119 <b>Total Net Resources</b>	<b>8283</b>	<b>7483</b>	<b>6845</b>	<b>7061</b>	<b>8824</b>	<b>8546</b>	<b>7119</b>	<b>7477</b>	<b>7429</b>	<b>6907</b>	<b>6362</b>	<b>9344</b>	<b>7906</b>	<b>7604</b>	<b>7726</b>
120 <b>Total Surplus/Deficit</b>	<b>461</b>	<b>-131</b>	<b>-263</b>	<b>109</b>	<b>397</b>	<b>-466</b>	<b>-1,563</b>	<b>-935</b>	<b>-342</b>	<b>-342</b>	<b>-743</b>	<b>1,730</b>	<b>669</b>	<b>-131</b>	<b>-93</b>

**Loads and Resources - Federal System**  
**Operating Year: 2020 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Obligations</b>															
121 <b>Load Following</b>	3605	3608	3270	3027	3520	3966	3923	3663	3334	3343	3343	3319	3427	3767	3514
122 Preference Customers	3171	3174	2890	2783	3312	3730	3708	3459	3100	2945	2945	2859	2962	3232	3179
123 Federal Agencies	134	135	123	133	171	198	193	178	163	142	142	130	121	132	151
124 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	183
125 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 <b>Tier 1 Block</b>	11.7	11.7	24.2	10.6	47.9	42.0	59.1	55.9	49.6	3.22	3.22	0	0	11.8	26.3
127 Tier 1 Block	11.7	11.7	24.2	10.6	47.9	42.0	59.1	55.9	49.6	3.22	3.22	0	0	11.8	26.3
128 <b>Slice</b>	3532	3317	3261	3325	4199	4358	4011	3860	3759	3272	3128	3890	3505	3375	3681
129 Slice Block	1621	1621	1691	1669	2055	2285	2314	2065	1990	1678	1678	1484	1393	1615	1822
130 Slice Output from T1 System	1911	1696	1570	1656	2144	2072	1697	1795	1769	1594	1450	2406	2112	1760	1859
131 <b>Direst Service Industries</b>	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
132 DSI	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
133 <b>Contract Deliveries</b>	586	591	473	473	478	476	476	475	471	473	473	473	473	499	486
134 Exports	571	576	459	459	459	459	459	459	459	459	459	459	459	483	471
135 Intra-Regional Transfers (Out)	14.8	14.8	13.7	13.9	18.6	16.9	16.6	16.1	11.7	14.2	14.2	14.5	14.4	15.8	15.1
136 <b>Total Firm Obligations</b>	<b>7825</b>	<b>7618</b>	<b>7119</b>	<b>6927</b>	<b>8336</b>	<b>8933</b>	<b>8561</b>	<b>8144</b>	<b>7704</b>	<b>7182</b>	<b>7039</b>	<b>7774</b>	<b>7496</b>	<b>7743</b>	<b>7798</b>
<b>Net Resources</b>															
137 <b>Hydro Resources</b>	7054	6197	5579	5750	7582	7303	5845	6231	6147	5653	5111	8881	7736	6485	6631
138 Regulated Hydro - Net	6691	5836	5245	5426	7308	7121	5696	6076	5892	5216	4663	8161	7070	6079	6275
139 Independent Hydro - Net	361	358	332	321	271	179	145	152	251	434	445	718	664	403	353
140 Small Hydro - Net	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.04	3.10	3.09	3.09	2.83	2.72	2.63	2.88
141 <b>Other Resources</b>	1126	1163	1144	1138	1120	1125	1109	1104	1144	1148	1132	1142	1165	1136	1135
142 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144 Large Thermal Resources	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075
145 Renewable Resources	51.2	87.5	69.4	62.9	45.5	50.3	34.2	29.4	69.4	73.1	56.7	67.1	90.3	60.9	59.6
146 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 <b>Contract Purchases</b>	322	319	310	291	297	291	289	289	287	239	236	249	250	243	279
148 Imports	65.4	65.6	64.3	116	115	114	115	115	115	65.4	65.4	64.4	65.4	65.0	90.0
149 Intra-Regional Transfers (In)	82.1	82.1	82.6	5.11	3.80	3.24	2.50	2.40	4.58	5.22	5.22	4.81	6.56	5.37	17.4
150 Non-Federal CER	138	139	133	139	138	134	139	137	134	138	138	134	138	139	137
151 Slice Transmission Loss Return	36.3	32.2	29.8	31.5	40.7	39.4	32.2	34.1	33.6	30.3	27.6	45.7	40.1	33.4	35.3
152 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 <b>Reserves &amp; Losses</b>	-253	-228	-209	-213	-267	-259	-215	-226	-225	-209	-192	-305	-272	-234	-239
154 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Transmission Losses	-253	-228	-209	-213	-267	-259	-215	-226	-225	-209	-192	-305	-272	-234	-239
159 <b>Total Net Resources</b>	<b>8250</b>	<b>7450</b>	<b>6824</b>	<b>6966</b>	<b>8733</b>	<b>8460</b>	<b>7027</b>	<b>7398</b>	<b>7353</b>	<b>6831</b>	<b>6286</b>	<b>9967</b>	<b>8880</b>	<b>7630</b>	<b>7806</b>
160 <b>Total Surplus/Deficit</b>	<b>425</b>	<b>-168</b>	<b>-294</b>	<b>39</b>	<b>396</b>	<b>-473</b>	<b>-1,533</b>	<b>-746</b>	<b>-351</b>	<b>-351</b>	<b>-752</b>	<b>2,193</b>	<b>1,384</b>	<b>-114</b>	<b>7</b>

**Loads and Resources - Federal System**  
**Operating Year: 2021 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Obligations</b>															
161 <b>Load Following</b>	3613	3589	3261	3027	3522	3969	3930	3744	3338	3347	3347	3323	3431	3774	3522
162 Preference Customers	3181	3153	2880	2783	3313	3733	3714	3536	3104	2949	2949	2863	2966	3238	3186
163 Federal Agencies	135	134	123	133	171	198	193	183	163	142	142	130	121	132	152
164 USBR	296	302	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
165 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166 <b>Tier 1 Block</b>	12.1	12.1	25.1	10.3	46.4	40.8	57.4	56.2	48.1	3.12	3.12	0	0	11.5	25.7
167 Tier 1 Block	12.1	12.1	25.1	10.3	46.4	40.8	57.4	56.2	48.1	3.12	3.12	0	0	11.5	25.7
168 <b>Slice</b>	3519	3309	3254	3358	4239	4406	4057	3977	3800	3306	3162	3725	3250	3380	3674
169 Slice Block	1609	1609	1679	1703	2097	2332	2362	2183	2030	1713	1713	1515	1421	1648	1856
170 Slice Output from T1 System	1910	1700	1574	1655	2142	2073	1695	1794	1770	1593	1449	2210	1829	1732	1817
171 <b>Direct Service Industries</b>	91.1	90.8	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
172 DSI	91.1	90.8	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
173 <b>Contract Deliveries</b>	599	569	468	468	467	467	467	467	463	463	463	463	463	487	478
174 Exports	584	555	454	454	454	454	454	454	454	454	454	454	454	478	466
175 Intra-Regional Transfers (Out)	14.8	14.8	13.7	13.8	13.2	13.4	13.2	13.4	9.44	9.44	9.44	9.44	9.44	9.44	11.9
176 <b>Total Firm Obligations</b>	<b>7834</b>	<b>7571</b>	<b>7098</b>	<b>6955</b>	<b>8366</b>	<b>8974</b>	<b>8603</b>	<b>8335</b>	<b>7741</b>	<b>7210</b>	<b>7067</b>	<b>7602</b>	<b>7236</b>	<b>7744</b>	<b>7790</b>
<b>Net Resources</b>															
177 <b>Hydro Resources</b>	7054	6197	5579	5750	7582	7303	5845	6231	6147	5653	5111	8855	7720	6485	6628
178 Regulated Hydro - Net	6691	5836	5245	5426	7308	7121	5696	6076	5892	5216	4663	8134	7053	6079	6271
179 Independent Hydro - Net	361	358	332	321	271	179	145	152	251	434	445	718	664	403	354
180 Small Hydro - Net	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.05	3.10	3.09	3.09	2.83	2.72	2.63	2.88
181 <b>Other Resources</b>	1126	1163	1144	1133	1117	1122	1107	1102	1140	1142	1127	409	83.8	1026	972
182 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184 Large Thermal Resources	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	347	0	971	916
185 Renewable Resources	51.2	87.5	69.4	57.8	41.7	47.0	31.7	27.0	64.9	67.3	52.1	62.3	83.8	55.5	56.0
186 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 <b>Contract Purchases</b>	244	230	237	286	288	293	280	286	288	234	231	240	238	173	256
188 Imports	65.4	64.5	64.9	116	114	115	114	115	116	65.4	65.4	64.4	65.4	1.00	84.5
189 Intra-Regional Transfers (In)	4.12	4.15	4.56	0	0	0	0	0	0	0	0	0	0	0	0.73
190 Non-Federal CER	138	129	138	139	133	139	134	137	139	138	138	134	138	139	137
191 Slice Transmission Loss Return	36.3	32.3	29.9	31.5	40.7	39.4	32.2	34.1	33.6	30.3	27.5	42.0	34.8	32.9	34.5
192 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 <b>Reserves &amp; Losses</b>	-250	-225	-207	-213	-267	-259	-215	-226	-225	-209	-192	-282	-239	-228	-233
194 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198 Transmission Losses	-250	-225	-207	-213	-267	-259	-215	-226	-225	-209	-192	-282	-239	-228	-233
199 <b>Total Net Resources</b>	<b>8174</b>	<b>7364</b>	<b>6755</b>	<b>6956</b>	<b>8720</b>	<b>8459</b>	<b>7017</b>	<b>7393</b>	<b>7350</b>	<b>6820</b>	<b>6277</b>	<b>9221</b>	<b>7803</b>	<b>7456</b>	<b>7623</b>
200 <b>Total Surplus/Deficit</b>	<b>340</b>	<b>-207</b>	<b>-344</b>	<b>1</b>	<b>353</b>	<b>-515</b>	<b>-1,586</b>	<b>-943</b>	<b>-391</b>	<b>-390</b>	<b>-790</b>	<b>1,620</b>	<b>567</b>	<b>-288</b>	<b>-167</b>

**Loads and Resources - Federal System**  
**Operating Year: 2022 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Obligations</b>															
201 <b>Load Following</b>	3589	3622	3264	3030	3527	3976	3933	3747	3339	3347	3347	3322	3431	3775	3524
202 Preference Customers	3152	3191	2883	2786	3318	3740	3716	3539	3104	2948	2948	2861	2965	3239	3188
203 Federal Agencies	134	136	124	133	171	199	194	184	164	143	143	130	122	133	152
204 USBR	303	296	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
205 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 <b>Tier 1 Block</b>	11.8	11.8	24.3	10.4	47.2	41.5	58.4	57.1	48.9	3.17	3.17	0	0	11.7	26.0
207 Tier 1 Block	11.8	11.8	24.3	10.4	47.2	41.5	58.4	57.1	48.9	3.17	3.17	0	0	11.7	26.0
208 <b>Slice</b>	3557	3337	3287	3320	4195	4354	4005	3928	3756	3269	3126	3882	3498	3370	3686
209 Slice Block	1642	1642	1713	1667	2053	2283	2312	2136	1987	1676	1676	1483	1391	1613	1829
210 Slice Output from T1 System	1915	1695	1574	1653	2142	2071	1693	1792	1769	1593	1449	2399	2107	1757	1857
211 <b>Direst Service Industries</b>	90.8	91.2	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
212 DSI	90.8	91.2	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
213 <b>Contract Deliveries</b>	553	593	459	459	463	463	462	463	459	459	459	459	459	483	472
214 Exports	543	584	449	449	449	449	449	449	449	449	449	449	449	473	461
215 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	13.3	13.4	13.2	13.4	9.44	9.44	9.44	9.44	9.44	9.44	10.7
216 <b>Total Firm Obligations</b>	<b>7802</b>	<b>7655</b>	<b>7125</b>	<b>6911</b>	<b>8323</b>	<b>8925</b>	<b>8550</b>	<b>8286</b>	<b>7694</b>	<b>7170</b>	<b>7026</b>	<b>7754</b>	<b>7479</b>	<b>7730</b>	<b>7799</b>
<b>Net Resources</b>															
217 <b>Hydro Resources</b>	7054	6197	5579	5737	7566	7281	5822	6210	6132	5643	5101	8848	7710	6472	6616
218 Regulated Hydro - Net	6691	5836	5245	5426	7308	7121	5696	6076	5892	5216	4663	8134	7053	6079	6271
219 Independent Hydro - Net	361	358	332	308	255	158	123	131	237	424	435	711	654	391	342
220 Small Hydro - Net	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.05	3.10	3.09	3.09	2.83	2.72	2.63	2.88
221 <b>Other Resources</b>	1123	1158	1140	1133	1117	1122	1107	1102	1140	1142	1127	1137	1159	1131	1130
222 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
223 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
224 Large Thermal Resources	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075
225 Renewable Resources	48.0	82.5	64.8	57.8	41.7	47.0	31.7	27.0	64.9	67.3	52.1	62.3	83.8	55.5	55.3
226 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227 <b>Contract Purchases</b>	165	173	169	166	180	179	167	172	174	169	167	180	179	168	172
228 Imports	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
229 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230 Non-Federal CER	127	139	138	134	138	139	134	137	139	138	138	134	138	134	136
231 Slice Transmission Loss Return	36.4	32.2	29.9	31.4	40.7	39.4	32.2	34.1	33.6	30.3	27.5	45.6	40.0	33.4	35.3
232 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233 <b>Reserves &amp; Losses</b>	-248	-224	-205	-209	-263	-255	-211	-222	-221	-207	-190	-302	-269	-231	-235
234 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
236 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
237 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
238 Transmission Losses	-248	-224	-205	-209	-263	-255	-211	-222	-221	-207	-190	-302	-269	-231	-235
239 <b>Total Net Resources</b>	<b>8094</b>	<b>7303</b>	<b>6684</b>	<b>6827</b>	<b>8599</b>	<b>8328</b>	<b>6885</b>	<b>7262</b>	<b>7225</b>	<b>6748</b>	<b>6205</b>	<b>9863</b>	<b>8779</b>	<b>7540</b>	<b>7684</b>
240 <b>Total Surplus/Deficit</b>	<b>293</b>	<b>-352</b>	<b>-441</b>	<b>-85</b>	<b>276</b>	<b>-597</b>	<b>-1,664</b>	<b>-1,025</b>	<b>-469</b>	<b>-421</b>	<b>-821</b>	<b>2,110</b>	<b>1,300</b>	<b>-190</b>	<b>-116</b>

**Loads and Resources - Federal System**  
**Operating Year: 2023 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Obligations</b>															
241 <b>Load Following</b>	3606	3609	3263	3042	3541	3991	3949	3763	3352	3373	3347	3335	3444	3789	3536
242 Preference Customers	3171	3174	2882	2797	3331	3754	3732	3554	3117	2974	2947	2873	2978	3252	3199
243 Federal Agencies	135	136	124	134	172	199	194	184	164	143	143	131	122	133	153
244 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	255	257	330	344	404	184
245 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
246 <b>Tier 1 Block</b>	12.0	12.0	24.8	10.6	48.0	42.2	59.3	58.1	49.7	3.23	3.23	0	0	11.9	26.5
247 Tier 1 Block	12.0	12.0	24.8	10.6	48.0	42.2	59.3	58.1	49.7	3.23	3.23	0	0	11.9	26.5
248 <b>Slice</b>	3520	3305	3249	3359	4242	4406	4057	3977	3802	3303	3166	3729	3252	3380	3674
249 Slice Block	1607	1607	1677	1705	2099	2335	2365	2185	2032	1715	1715	1517	1423	1650	1858
250 Slice Output from T1 System	1913	1697	1572	1653	2143	2071	1693	1792	1770	1589	1451	2212	1829	1730	1816
251 <b>Direst Service Industries</b>	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.6	91.2	90.9	90.7	90.7	91.1
252 DSI	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.6	91.2	90.9	90.7	90.7	91.1
253 <b>Contract Deliveries</b>	567	571	454	454	458	458	458	458	454	472	436	454	454	478	467
254 Exports	557	561	445	445	445	445	445	445	445	462	427	445	445	469	456
255 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	13.3	13.4	13.2	13.4	9.44	9.44	9.44	9.44	9.44	9.44	10.7
256 <b>Total Firm Obligations</b>	<b>7795</b>	<b>7587</b>	<b>7082</b>	<b>6957</b>	<b>8380</b>	<b>8989</b>	<b>8615</b>	<b>8348</b>	<b>7749</b>	<b>7243</b>	<b>7044</b>	<b>7609</b>	<b>7241</b>	<b>7749</b>	<b>7795</b>
<b>Net Resources</b>															
257 <b>Hydro Resources</b>	7044	6187	5569	5737	7566	7281	5822	6210	6132	5643	5101	8847	7709	6472	6614
258 Regulated Hydro - Net	6691	5836	5245	5426	7308	7121	5696	6076	5892	5216	4663	8133	7053	6079	6271
259 Independent Hydro - Net	351	348	321	308	255	158	123	131	237	424	435	711	654	391	340
260 Small Hydro - Net	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.05	3.10	3.09	3.09	2.83	2.72	2.63	2.88
261 <b>Other Resources</b>	1123	1158	1140	1133	1117	1122	1107	1102	1140	1142	1127	409	83.8	1026	971
262 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
263 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
264 Large Thermal Resources	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	347	0	971	916
265 Renewable Resources	48.0	82.5	64.8	57.8	41.7	47.0	31.7	27.0	64.9	67.3	52.1	62.3	83.8	55.5	55.3
266 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
267 <b>Contract Purchases</b>	175	173	169	166	180	179	167	172	174	169	156	182	174	168	172
268 Imports	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
269 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
270 Non-Federal CER	138	139	138	134	138	139	134	137	139	138	127	139	138	134	137
271 Slice Transmission Loss Return	36.3	32.3	29.9	31.4	40.7	39.4	32.2	34.1	33.6	30.2	27.6	42.0	34.8	32.9	34.5
272 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
273 <b>Reserves &amp; Losses</b>	-248	-223	-204	-209	-263	-255	-211	-222	-221	-207	-190	-280	-237	-228	-230
274 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
275 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
276 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
277 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
278 Transmission Losses	-248	-223	-204	-209	-263	-255	-211	-222	-221	-207	-190	-280	-237	-228	-230
279 <b>Total Net Resources</b>	<b>8095</b>	<b>7294</b>	<b>6673</b>	<b>6827</b>	<b>8599</b>	<b>8328</b>	<b>6885</b>	<b>7262</b>	<b>7225</b>	<b>6748</b>	<b>6194</b>	<b>9158</b>	<b>7730</b>	<b>7439</b>	<b>7527</b>
280 <b>Total Surplus/Deficit</b>	<b>300</b>	<b>-294</b>	<b>-409</b>	<b>-130</b>	<b>219</b>	<b>-661</b>	<b>-1,730</b>	<b>-1,086</b>	<b>-524</b>	<b>-495</b>	<b>-850</b>	<b>1,549</b>	<b>489</b>	<b>-311</b>	<b>-268</b>



**Loads and Resources - Federal System**  
**Operating Year: 2024 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Obligations</b>															
281 <b>Load Following</b>	3620	3622	3276	3056	3558	4010	3967	3704	3367	3375	3375	3348	3458	3805	3546
282 Preference Customers	3184	3188	2894	2811	3348	3773	3749	3498	3132	2975	2975	2887	2992	3267	3209
283 Federal Agencies	136	136	124	134	172	200	195	180	165	143	143	131	122	134	153
284 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	183
285 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
286 <b>Tier 1 Block</b>	12.2	12.2	25.2	10.3	46.4	40.7	57.3	54.2	48.0	3.12	3.12	0	0	11.5	25.7
287 Tier 1 Block	12.2	12.2	25.2	10.3	46.4	40.7	57.3	54.2	48.0	3.12	3.12	0	0	11.5	25.7
288 <b>Slice</b>	3557	3342	3287	3316	4189	4346	4000	3849	3749	3265	3122	3881	3494	3367	3677
289 Slice Block	1644	1644	1715	1661	2044	2275	2303	2055	1979	1670	1670	1478	1386	1607	1818
290 Slice Output from T1 System	1913	1698	1573	1655	2145	2072	1696	1794	1770	1595	1452	2403	2108	1760	1859
291 <b>Direst Service Industries</b>	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
292 DSI	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
293 <b>Contract Deliveries</b>	562	567	450	450	454	454	454	454	450	450	450	450	450	474	463
294 Exports	553	557	440	440	440	440	440	440	440	440	440	440	440	464	452
295 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	13.3	13.2	13.4	13.5	9.44	9.44	9.44	9.44	9.44	9.44	10.7
296 <b>Total Firm Obligations</b>	<b>7842</b>	<b>7634</b>	<b>7129</b>	<b>6924</b>	<b>8339</b>	<b>8942</b>	<b>8569</b>	<b>8152</b>	<b>7706</b>	<b>7184</b>	<b>7041</b>	<b>7770</b>	<b>7493</b>	<b>7748</b>	<b>7803</b>
<b>Net Resources</b>															
297 <b>Hydro Resources</b>	7044	6187	5569	5737	7566	7281	5822	6210	6132	5643	5101	8847	7710	6472	6613
298 Regulated Hydro - Net	6691	5836	5245	5426	7308	7121	5696	6076	5892	5216	4663	8133	7053	6079	6271
299 Independent Hydro - Net	351	348	321	308	255	158	123	131	237	424	435	711	654	391	339
300 Small Hydro - Net	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.04	3.10	3.09	3.09	2.83	2.72	2.63	2.88
301 <b>Other Resources</b>	1123	1158	1140	1133	1117	1122	1107	1102	1140	1142	1127	1137	1159	1131	1130
302 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
303 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
304 Large Thermal Resources	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075
305 Renewable Resources	48.0	82.5	64.8	57.8	41.7	47.0	31.7	27.0	64.9	67.3	52.1	62.3	83.8	55.5	55.2
306 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
307 <b>Contract Purchases</b>	175	173	169	166	180	174	172	172	168	169	167	185	174	173	173
308 Imports	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
309 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
310 Non-Federal CER	138	139	138	134	138	134	139	137	134	138	138	139	133	139	137
311 Slice Transmission Loss Return	36.3	32.3	29.9	31.5	40.8	39.4	32.2	34.1	33.6	30.3	27.6	45.7	40.1	33.5	35.3
312 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
313 <b>Reserves &amp; Losses</b>	-248	-223	-204	-209	-263	-255	-211	-222	-221	-207	-190	-302	-269	-231	-235
314 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
315 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
316 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
317 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
318 Transmission Losses	-248	-223	-204	-209	-263	-255	-211	-222	-221	-207	-190	-302	-269	-231	-235
319 <b>Total Net Resources</b>	<b>8095</b>	<b>7294</b>	<b>6673</b>	<b>6827</b>	<b>8599</b>	<b>8323</b>	<b>6890</b>	<b>7263</b>	<b>7220</b>	<b>6748</b>	<b>6205</b>	<b>9868</b>	<b>8774</b>	<b>7545</b>	<b>7681</b>
320 <b>Total Surplus/Deficit</b>	<b>253</b>	<b>-340</b>	<b>-456</b>	<b>-97</b>	<b>260</b>	<b>-619</b>	<b>-1,678</b>	<b>-889</b>	<b>-486</b>	<b>-436</b>	<b>-836</b>	<b>2,098</b>	<b>1,281</b>	<b>-203</b>	<b>-121</b>

**Loads and Resources - Federal System**  
**Operating Year: 2025 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000 1

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Obligations</b>															
321 <b>Load Following</b>	3635	3638	3290	3071	3575	4028	3985	3799	3383	3390	3390	3363	3473	3821	3567
322 Preference Customers	3199	3203	2908	2825	3364	3790	3766	3589	3147	2990	2990	2901	3006	3283	3230
323 Federal Agencies	136	136	125	134	173	200	195	185	165	144	144	132	123	134	154
324 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
325 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
326 <b>Tier 1 Block</b>	11.8	11.8	24.3	10.2	46.2	40.6	57.1	55.9	47.9	3.11	3.11	0	0	11.4	25.6
327 Tier 1 Block	11.8	11.8	24.3	10.2	46.2	40.6	57.1	55.9	47.9	3.11	3.11	0	0	11.4	25.6
328 <b>Slice</b>	3516	3301	3244	3368	4252	4417	4071	3989	3811	3317	3174	3739	3259	3390	3682
329 Slice Block	1601	1601	1670	1713	2108	2345	2375	2194	2040	1722	1722	1524	1430	1657	1864
330 Slice Output from T1 System	1915	1699	1574	1656	2144	2071	1696	1795	1770	1595	1451	2214	1829	1733	1818
331 <b>Direct Service Industries</b>	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
332 DSI	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
333 <b>Contract Deliveries</b>	559	563	446	446	450	450	450	450	446	446	446	446	446	470	459
334 Exports	549	554	437	437	437	437	437	437	437	437	437	437	437	461	449
335 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	13.3	13.2	13.4	13.4	9.44	9.44	9.44	9.44	9.44	9.44	10.7
336 <b>Total Firm Obligations</b>	<b>7813</b>	<b>7604</b>	<b>7095</b>	<b>6987</b>	<b>8415</b>	<b>9027</b>	<b>8654</b>	<b>8386</b>	<b>7779</b>	<b>7247</b>	<b>7104</b>	<b>7638</b>	<b>7269</b>	<b>7783</b>	<b>7825</b>
<b>Net Resources</b>															
337 <b>Hydro Resources</b>	7044	6187	5569	5737	7566	7281	5822	6210	6132	5643	5101	8848	7709	6472	6614
338 Regulated Hydro - Net	6691	5836	5245	5426	7308	7121	5696	6076	5892	5216	4663	8133	7053	6079	6271
339 Independent Hydro - Net	351	348	321	308	255	158	123	131	237	424	435	711	654	391	340
340 Small Hydro - Net	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.05	3.10	3.09	3.09	2.83	2.72	2.63	2.88
341 <b>Other Resources</b>	1123	1158	1140	1133	1117	1122	1107	1102	1140	1142	1127	409	83.8	1026	971
342 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
343 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
344 Large Thermal Resources	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	347	0	971	916
345 Renewable Resources	48.0	82.5	64.8	57.8	41.7	47.0	31.7	27.0	64.9	67.3	52.1	62.3	83.8	55.5	55.3
346 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
347 <b>Contract Purchases</b>	175	173	166	169	180	174	172	174	168	169	167	182	169	173	172
348 Imports	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
349 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
350 Non-Federal CER	138	139	135	136	138	134	139	139	134	138	138	139	133	139	137
351 Slice Transmission Loss Return	36.4	32.3	29.9	31.5	40.8	39.4	32.2	34.1	33.6	30.3	27.6	42.1	34.8	32.9	34.6
352 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
353 <b>Reserves &amp; Losses</b>	-248	-223	-204	-209	-263	-255	-211	-222	-221	-207	-190	-280	-236	-228	-230
354 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
355 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
356 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
357 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
358 Transmission Losses	-248	-223	-204	-209	-263	-255	-211	-222	-221	-207	-190	-280	-236	-228	-230
359 <b>Total Net Resources</b>	<b>8095</b>	<b>7294</b>	<b>6671</b>	<b>6829</b>	<b>8599</b>	<b>8323</b>	<b>6890</b>	<b>7265</b>	<b>7220</b>	<b>6748</b>	<b>6205</b>	<b>9158</b>	<b>7725</b>	<b>7444</b>	<b>7527</b>
360 <b>Total Surplus/Deficit</b>	<b>283</b>	<b>-311</b>	<b>-424</b>	<b>-158</b>	<b>184</b>	<b>-704</b>	<b>-1,764</b>	<b>-1,121</b>	<b>-559</b>	<b>-499</b>	<b>-899</b>	<b>1,520</b>	<b>456</b>	<b>-339</b>	<b>-298</b>

**Loads and Resources - Federal System**  
**Operating Year: 2026 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000 1

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Obligations</b>															
361 <b>Load Following</b>	3665	3640	3304	3082	3589	4044	4000	3815	3396	3402	3402	3374	3485	3834	3581
362 Preference Customers	3231	3203	2922	2836	3378	3805	3781	3604	3159	3001	3001	2912	3017	3296	3243
363 Federal Agencies	137	136	125	135	173	201	196	186	166	144	144	132	123	134	154
364 USBR	296	302	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
365 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
366 <b>Tier 1 Block</b>	11.7	11.7	24.2	10.1	45.8	40.3	56.7	55.5	47.5	3.08	3.08	0	0	11.3	25.3
367 Tier 1 Block	11.7	11.7	24.2	10.1	45.8	40.3	56.7	55.5	47.5	3.08	3.08	0	0	11.3	25.3
368 <b>Slice</b>	3562	3352	3295	3314	4185	4342	3995	3918	3745	3262	3119	3880	3493	3365	3681
369 Slice Block	1651	1651	1721	1653	2036	2265	2294	2119	1970	1662	1662	1473	1381	1600	1818
370 Slice Output from T1 System	1911	1701	1574	1661	2149	2076	1701	1799	1775	1600	1456	2407	2112	1765	1863
371 <b>Direst Service Industries</b>	91.1	90.8	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
372 DSI	91.1	90.8	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
373 <b>Contract Deliveries</b>	572	544	443	443	446	447	447	447	443	443	443	443	443	467	456
374 Exports	562	534	433	433	433	433	433	433	433	433	433	433	433	457	445
375 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	13.2	13.4	13.4	13.4	9.44	9.44	9.44	9.44	9.44	9.44	10.7
376 <b>Total Firm Obligations</b>	<b>7902</b>	<b>7639</b>	<b>7157</b>	<b>6941</b>	<b>8357</b>	<b>8964</b>	<b>8589</b>	<b>8326</b>	<b>7722</b>	<b>7201</b>	<b>7058</b>	<b>7788</b>	<b>7511</b>	<b>7767</b>	<b>7834</b>
<b>Net Resources</b>															
377 <b>Hydro Resources</b>	7044	6187	5569	5737	7566	7281	5822	6210	6132	5643	5101	8847	7710	6472	6614
378 Regulated Hydro - Net	6691	5836	5245	5426	7308	7121	5696	6076	5892	5216	4663	8133	7053	6079	6271
379 Independent Hydro - Net	351	348	321	308	255	158	123	131	237	424	435	711	654	391	340
380 Small Hydro - Net	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.05	3.10	3.09	3.09	2.83	2.72	2.63	2.88
381 <b>Other Resources</b>	1123	1158	1140	1133	1117	1122	1107	1102	1140	1142	1127	1137	1159	1131	1130
382 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
383 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
384 Large Thermal Resources	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075
385 Renewable Resources	48.0	82.5	64.8	57.8	41.7	47.0	31.7	27.0	64.9	67.3	52.1	62.3	83.8	55.5	55.3
386 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
387 <b>Contract Purchases</b>	178	165	167	169	179	175	172	175	169	169	167	185	175	173	173
388 Imports	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
389 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
390 Non-Federal CER	141	132	136	136	137	134	139	139	134	138	138	138	133	139	137
391 Slice Transmission Loss Return	36.3	32.3	29.9	31.6	40.8	39.5	32.3	34.2	33.7	30.4	27.7	45.7	40.1	33.5	35.4
392 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
393 <b>Reserves &amp; Losses</b>	-248	-223	-204	-209	-263	-255	-211	-222	-221	-207	-190	-302	-269	-231	-235
394 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
395 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
396 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
397 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
398 Transmission Losses	-248	-223	-204	-209	-263	-255	-211	-222	-221	-207	-190	-302	-269	-231	-235
399 <b>Total Net Resources</b>	<b>8098</b>	<b>7287</b>	<b>6671</b>	<b>6829</b>	<b>8598</b>	<b>8324</b>	<b>6890</b>	<b>7265</b>	<b>7220</b>	<b>6748</b>	<b>6205</b>	<b>9868</b>	<b>8775</b>	<b>7545</b>	<b>7682</b>
400 <b>Total Surplus/Deficit</b>	<b>196</b>	<b>-352</b>	<b>-486</b>	<b>-111</b>	<b>242</b>	<b>-640</b>	<b>-1,699</b>	<b>-1,061</b>	<b>-502</b>	<b>-453</b>	<b>-853</b>	<b>2,080</b>	<b>1,263</b>	<b>-222</b>	<b>-152</b>

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***Exhibit 20***  
***Regional Report Surplus Deficit***

***Monthly Energy***  
***Operating Year 2017 to 2026***  
***Using 1937-Water Conditions***

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**Loads and Resources - Pacific Northwest Region**

**Operating Year: 2017 Water Year: 1937**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Regional Loads</b>															
<b>1 Retail Loads</b>	22656	22679	21021	20232	22680	24904	25152	23981	22021	21066	20909	20381	22033	23519	22461
2 Federal Agency	115	115	106	114	137	156	157	150	137	124	123	115	107	115	128
3 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	255	257	330	344	404	184
4 Cooperative	2056	2058	1818	1690	1970	2237	2195	2100	1845	1798	1784	1829	1944	2143	1968
5 Municipality	2474	2476	2394	2553	2990	3176	3240	3126	2815	2663	2635	2453	2432	2500	2731
6 Public Utility District	4263	4266	4088	4174	4872	5330	5311	5085	4544	4364	4333	4096	4140	4332	4546
7 Investor-Owned Utility	12762	12778	11711	10924	11982	13256	13515	12784	11906	11150	11066	10848	12357	13317	12206
8 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
9 Direct-Service Industry	445	445	445	446	446	446	446	446	446	446	445	445	445	445	445
10 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>11 Exports</b>	1446	1705	1508	1378	1161	1081	993	975	1280	1496	1289	1284	1689	1651	1333
12 Canada	579	584	468	468	468	468	468	468	468	486	449	468	468	492	479
13 East Continental Divide	14.9	14.9	12.6	13.0	13.8	15.5	15.2	15.0	13.6	12.6	12.6	12.7	13.2	6.80	13.2
14 Inland Southwest	11.0	17.1	15.6	17.6	12.9	11.0	20.2	19.0	26.1	30.6	27.3	27.5	33.1	30.0	21.3
15 Pacific Southwest	841	1089	1012	880	667	587	490	474	772	967	800	776	1175	1123	819
16 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>17 Total Regional Loads</b>	<b>24102</b>	<b>24383</b>	<b>22528</b>	<b>21610</b>	<b>23841</b>	<b>25985</b>	<b>26145</b>	<b>24956</b>	<b>23301</b>	<b>22562</b>	<b>22198</b>	<b>21665</b>	<b>23722</b>	<b>25170</b>	<b>23794</b>
<b>Regional Resources</b>															
<b>18 Hydro Resources</b>	11947	10655	9433	10192	12653	13441	10577	10581	10805	11205	10262	16216	15548	11942	11960
19 Regulated Hydro - Net	10630	9344	8230	9120	11705	12465	9740	9680	9681	9610	8646	14206	13532	10394	10662
20 Independent Hydro - Net	991	988	959	910	817	854	723	779	969	1311	1330	1600	1574	1127	1053
21 Small Hydro - Net	325	323	243	162	131	123	115	121	155	284	286	410	442	421	245
<b>22 Other Resources</b>	16789	17615	17447	17624	17195	17147	16786	16717	16410	16864	14442	12326	15098	17552	16429
23 Cogeneration Resources	2506	2506	2511	2485	2530	2600	2563	2578	1797	2485	1930	2193	2321	2471	2396
24 Combustion Turbine Resources	6153	6160	6220	6275	6396	6467	6471	6413	6365	6251	5243	3532	4447	6156	5885
25 Large Thermal Resources	6445	6445	6445	6445	6445	6445	6445	6445	6000	5349	5047	4236	5175	6341	6004
26 Renewable Resources	1654	2473	2234	2381	1787	1596	1269	1244	2210	2746	2189	2327	3120	2548	2109
27 Small Thermal & Miscellaneous	30.3	30.4	35.9	37.6	36.5	38.1	37.9	36.3	37.9	33.8	33.6	37.7	33.2	35.3	35.9
<b>28 Imports</b>	610	610	552	570	789	899	736	733	636	508	506	545	675	718	664
29 Canada	25.8	25.8	16.0	17.3	37.5	53.1	66.4	72.6	64.8	30.6	30.6	27.5	36.5	21.5	38.9
30 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Inland Southwest	520	519	473	439	433	467	439	453	426	406	406	453	574	633	476
32 Pacific Southwest	64.4	64.6	63.9	114	318	379	231	208	145	70.6	69.5	64.0	64.4	63.4	148
33 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>34 Reserves &amp; Losses</b>	-872	-858	-815	-843	-910	-935	-835	-833	-827	-849	-749	-864	-930	-897	-863
35 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Transmission Losses	-872	-858	-815	-843	-910	-935	-835	-833	-827	-849	-749	-864	-930	-897	-863
<b>40 Total Regional Resources</b>	<b>28474</b>	<b>28022</b>	<b>26618</b>	<b>27544</b>	<b>29726</b>	<b>30551</b>	<b>27265</b>	<b>27198</b>	<b>27023</b>	<b>27728</b>	<b>24462</b>	<b>28223</b>	<b>30390</b>	<b>29315</b>	<b>28191</b>
<b>41 Total Surplus/Deficit</b>	<b>4372</b>	<b>3639</b>	<b>4089</b>	<b>5934</b>	<b>5885</b>	<b>4567</b>	<b>1120</b>	<b>2243</b>	<b>3722</b>	<b>5166</b>	<b>2264</b>	<b>6558</b>	<b>6668</b>	<b>4145</b>	<b>4397</b>

**Loads and Resources - Pacific Northwest Region**

**Operating Year: 2018 Water Year: 1937**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Regional Loads</b>															
42 <b>Retail Loads</b>	23037	23060	21361	20533	22999	25249	25502	24305	22340	21203	21362	20679	22374	23887	22793
43 Federal Agency	118	118	109	116	141	160	161	154	140	126	127	117	109	117	131
44 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	257	255	330	344	404	184
45 Cooperative	2072	2074	1835	1715	1996	2264	2220	2125	1868	1807	1821	1852	1968	2167	1991
46 Municipality	2507	2510	2435	2575	3016	3202	3280	3167	2854	2673	2701	2491	2469	2538	2767
47 Public Utility District	4328	4331	4151	4255	4954	5418	5385	5145	4620	4395	4427	4158	4206	4399	4617
48 Investor-Owned Utility	13025	13042	11928	11094	12163	13456	13722	12978	12083	11234	11319	11021	12569	13554	12406
49 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
50 Direct-Service Industry	445	445	445	446	446	446	446	446	446	445	446	445	445	445	445
51 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 <b>Exports</b>	1432	1691	1496	1365	1148	1069	959	942	1245	1429	1289	1250	1624	1592	1303
53 Canada	582	586	469	469	469	469	469	469	469	451	488	469	469	493	481
54 East Continental Divide	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80
55 Inland Southwest	21.6	27.5	26.7	28.6	24.0	22.6	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	19.6
56 Pacific Southwest	822	1070	993	861	648	570	474	457	753	951	778	757	1125	1073	795
57 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 <b>Total Regional Loads</b>	<b>24469</b>	<b>24751</b>	<b>22857</b>	<b>21899</b>	<b>24147</b>	<b>26318</b>	<b>26461</b>	<b>25246</b>	<b>23585</b>	<b>22632</b>	<b>22650</b>	<b>21929</b>	<b>23998</b>	<b>25478</b>	<b>24096</b>
<b>Regional Resources</b>															
59 <b>Hydro Resources</b>	11942	10655	9466	10192	12653	13441	10577	10581	10805	10880	9872	15755	15449	11909	11883
60 Regulated Hydro - Net	10626	9344	8264	9120	11705	12465	9740	9680	9681	9285	8256	13745	13433	10361	10585
61 Independent Hydro - Net	991	988	959	910	817	854	723	779	969	1311	1330	1600	1574	1127	1053
62 Small Hydro - Net	325	323	243	162	131	123	115	121	155	284	286	410	442	421	245
63 <b>Other Resources</b>	16827	17653	17479	17647	17245	17147	16783	16717	16786	17792	15476	12948	16180	17689	16707
64 Cogeneration Resources	2506	2506	2511	2485	2567	2600	2560	2578	1795	2488	1933	2210	2324	2504	2403
65 Combustion Turbine Resources	6153	6160	6220	6275	6396	6467	6471	6413	6365	6251	5243	3466	4484	6156	5882
66 Large Thermal Resources	6445	6445	6445	6445	6445	6445	6445	6445	6378	6274	6078	4899	6252	6445	6270
67 Renewable Resources	1692	2511	2266	2403	1800	1596	1269	1244	2210	2746	2189	2336	3086	2548	2115
68 Small Thermal & Miscellaneous	30.3	30.4	35.9	37.6	36.5	38.1	37.9	36.3	37.9	33.8	33.6	37.7	33.2	35.3	35.9
69 <b>Imports</b>	610	610	555	578	792	897	735	734	636	508	510	549	683	730	667
70 Canada	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
71 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Inland Southwest	525	525	476	442	435	469	441	455	429	408	409	456	580	640	480
73 Pacific Southwest	64.4	64.6	63.9	114	318	378	231	208	145	69.5	70.6	64.0	64.4	63.4	148
74 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 <b>Reserves &amp; Losses</b>	-873	-859	-817	-844	-911	-935	-834	-833	-838	-867	-768	-869	-960	-901	-869
76 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 Transmission Losses	-873	-859	-817	-844	-911	-935	-834	-833	-838	-867	-768	-869	-960	-901	-869
81 <b>Total Regional Resources</b>	<b>28507</b>	<b>28060</b>	<b>26684</b>	<b>27573</b>	<b>29779</b>	<b>30550</b>	<b>27261</b>	<b>27199</b>	<b>27388</b>	<b>28314</b>	<b>25090</b>	<b>28384</b>	<b>31352</b>	<b>29428</b>	<b>28389</b>
82 <b>Total Surplus/Deficit</b>	<b>4038</b>	<b>3309</b>	<b>3827</b>	<b>5674</b>	<b>5632</b>	<b>4231</b>	<b>800</b>	<b>1953</b>	<b>3804</b>	<b>5682</b>	<b>2440</b>	<b>6455</b>	<b>7354</b>	<b>3949</b>	<b>4293</b>

**Loads and Resources - Pacific Northwest Region**

**Operating Year: 2019 Water Year: 1937**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Regional Loads</b>															
83 <b>Retail Loads</b>	23396	23419	21660	20796	23280	25551	25820	24608	22621	21544	21544	20938	22678	24213	23090
84 Federal Agency	120	120	111	119	144	164	200	190	171	153	153	141	133	143	149
85 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
86 Cooperative	2096	2098	1856	1736	2019	2288	2246	2152	1893	1836	1836	1876	1992	2192	2015
87 Municipality	2545	2547	2473	2613	3056	3242	3302	3188	2873	2705	2705	2507	2485	2554	2793
88 Public Utility District	4390	4393	4200	4303	5005	5472	5431	5189	4659	4450	4450	4195	4245	4438	4663
89 Investor-Owned Utility	13258	13275	12116	11248	12327	13637	13907	13153	12250	11433	11433	11177	12769	13774	12588
90 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
91 Direct-Service Industry	445	445	445	446	446	446	446	446	446	446	446	445	445	445	445
92 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 <b>Exports</b>	1397	1655	1450	1333	1126	1046	946	930	1215	1401	1227	1204	1574	1540	1269
94 Canada	577	581	464	464	464	464	464	464	464	464	464	464	464	488	476
95 East Continental Divide	6.80	6.80	6.80	6.80	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.46
96 Inland Southwest	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	15.0
97 Pacific Southwest	803	1050	963	844	648	570	473	456	734	916	746	723	1086	1033	776
98 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 <b>Total Regional Loads</b>	<b>24793</b>	<b>25075</b>	<b>23110</b>	<b>22129</b>	<b>24406</b>	<b>26598</b>	<b>26767</b>	<b>25538</b>	<b>23835</b>	<b>22946</b>	<b>22772</b>	<b>22142</b>	<b>24252</b>	<b>25753</b>	<b>24359</b>
<b>Regional Resources</b>															
100 <b>Hydro Resources</b>	11911	10655	9466	10192	12653	13442	10578	10585	10808	10874	9870	15753	15433	11903	11880
101 Regulated Hydro - Net	10594	9344	8264	9120	11705	12465	9740	9680	9681	9285	8256	13745	13433	10356	10584
102 Independent Hydro - Net	991	988	959	910	817	854	723	779	969	1311	1330	1600	1574	1127	1053
103 Small Hydro - Net	325	323	243	162	131	123	116	125	159	278	284	408	426	420	244
104 <b>Other Resources</b>	16745	17652	17441	17652	17244	17146	16783	16716	16711	16718	14775	12194	15271	17584	16474
105 Cogeneration Resources	2505	2505	2474	2491	2567	2599	2560	2577	1914	2114	1933	2141	2271	2503	2385
106 Combustion Turbine Resources	6072	6160	6220	6275	6396	6467	6471	6413	6365	6251	5243	3488	4484	6156	5881
107 Large Thermal Resources	6445	6445	6445	6445	6445	6445	6445	6445	6184	5573	5377	4194	5386	6341	6056
108 Renewable Resources	1692	2511	2266	2403	1800	1596	1269	1244	2210	2746	2189	2334	3097	2548	2116
109 Small Thermal & Miscellaneous	30.3	30.4	35.9	37.6	36.5	38.1	37.9	36.3	37.9	33.8	33.6	37.7	33.2	35.3	35.9
110 <b>Imports</b>	616	616	558	581	771	870	707	706	608	506	506	552	689	738	658
111 Canada	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
112 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Inland Southwest	531	531	479	445	438	472	444	458	432	411	411	459	586	647	484
114 Pacific Southwest	64.4	64.6	63.3	115	295	348	201	178	114	64.4	64.4	64.0	63.9	64.0	136
115 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116 <b>Reserves &amp; Losses</b>	-869	-859	-816	-844	-911	-934	-834	-832	-835	-834	-747	-846	-932	-898	-862
117 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 Transmission Losses	-869	-859	-816	-844	-911	-934	-834	-832	-835	-834	-747	-846	-932	-898	-862
122 <b>Total Regional Resources</b>	<b>28403</b>	<b>28064</b>	<b>26650</b>	<b>27582</b>	<b>29757</b>	<b>30523</b>	<b>27235</b>	<b>27175</b>	<b>27291</b>	<b>27263</b>	<b>24404</b>	<b>27653</b>	<b>30461</b>	<b>29327</b>	<b>28151</b>
123 <b>Total Surplus/Deficit</b>	<b>3610</b>	<b>2990</b>	<b>3540</b>	<b>5453</b>	<b>5352</b>	<b>3925</b>	<b>468</b>	<b>1637</b>	<b>3456</b>	<b>4317</b>	<b>1632</b>	<b>5511</b>	<b>6208</b>	<b>3574</b>	<b>3792</b>



**Loads and Resources - Pacific Northwest Region**

**Operating Year: 2020 Water Year: 1937**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Regional Loads</b>															
124 <b>Retail Loads</b>	23719	23743	21935	21059	23567	25875	26102	24745	22874	21785	21785	21177	22967	24526	23363
125 Federal Agency	146	146	135	144	179	206	201	186	171	153	153	141	133	144	161
126 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	183
127 Cooperative	2121	2123	1881	1765	2048	2318	2276	2130	1921	1865	1865	1906	2027	2228	2041
128 Municipality	2561	2564	2489	2630	3076	3263	3324	3194	2894	2724	2724	2525	2502	2572	2812
129 Public Utility District	4428	4431	4236	4339	5044	5515	5471	5165	4694	4484	4484	4228	4279	4473	4696
130 Investor-Owned Utility	13476	13493	12290	11404	12490	13825	14096	13334	12420	11592	11592	11336	12972	13998	12772
131 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
132 Direct-Service Industry	445	445	445	446	446	446	446	446	446	446	446	445	445	445	445
133 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134 <b>Exports</b>	1346	1605	1409	1299	1102	1027	927	913	1209	1396	1222	1199	1569	1535	1249
135 Canada	571	576	459	459	459	459	459	459	459	459	459	459	459	483	471
136 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
137 Inland Southwest	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	14.9
138 Pacific Southwest	762	1011	933	822	629	556	459	444	734	916	746	723	1086	1033	762
139 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 <b>Total Regional Loads</b>	<b>25065</b>	<b>25348</b>	<b>23343</b>	<b>22358</b>	<b>24668</b>	<b>26902</b>	<b>27029</b>	<b>25658</b>	<b>24083</b>	<b>23181</b>	<b>23007</b>	<b>22376</b>	<b>24536</b>	<b>26061</b>	<b>24612</b>
<b>Regional Resources</b>															
141 <b>Hydro Resources</b>	11911	10653	9462	10190	12652	13442	10577	10581	10805	10880	9872	15750	15445	11904	11877
142 Regulated Hydro - Net	10594	9344	8264	9120	11705	12465	9740	9680	9681	9285	8256	13739	13429	10356	10580
143 Independent Hydro - Net	991	988	959	910	817	854	723	779	969	1311	1330	1600	1574	1127	1052
144 Small Hydro - Net	325	322	239	160	130	123	115	121	155	284	286	410	442	421	244
145 <b>Other Resources</b>	16746	17653	17479	17647	17207	17147	16786	16717	16756	17043	14720	12642	16185	17656	16608
146 Cogeneration Resources	2506	2506	2511	2485	2530	2600	2563	2578	1797	2491	1930	2194	2345	2471	2398
147 Combustion Turbine Resources	6072	6160	6220	6275	6396	6467	6471	6413	6365	6251	5243	3524	4455	6156	5883
148 Large Thermal Resources	6445	6445	6445	6445	6445	6445	6445	6445	6346	5521	5324	4540	6250	6445	6176
149 Renewable Resources	1692	2511	2266	2403	1800	1596	1269	1244	2210	2746	2189	2346	3102	2548	2115
150 Small Thermal & Miscellaneous	30.3	30.4	35.9	37.6	36.5	38.1	37.9	36.3	37.9	33.8	33.6	37.7	33.2	35.3	35.9
151 <b>Imports</b>	622	622	561	584	773	872	710	709	611	508	508	554	696	745	662
152 Canada	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
153 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Inland Southwest	536	536	482	448	440	474	446	461	434	414	414	462	592	654	487
155 Pacific Southwest	64.4	64.6	63.3	115	295	348	201	178	114	64.4	64.4	63.4	64.4	64.0	136
156 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 <b>Reserves &amp; Losses</b>	-870	-859	-817	-844	-910	-934	-834	-832	-837	-844	-745	-860	-960	-900	-866
158 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162 Transmission Losses	-870	-859	-817	-844	-910	-934	-834	-832	-837	-844	-745	-860	-960	-900	-866
163 <b>Total Regional Resources</b>	<b>28409</b>	<b>28069</b>	<b>26685</b>	<b>27577</b>	<b>29723</b>	<b>30526</b>	<b>27239</b>	<b>27175</b>	<b>27335</b>	<b>27587</b>	<b>24355</b>	<b>28086</b>	<b>31365</b>	<b>29405</b>	<b>28281</b>
164 <b>Total Surplus/Deficit</b>	<b>3344</b>	<b>2721</b>	<b>3342</b>	<b>5219</b>	<b>5054</b>	<b>3623</b>	<b>210</b>	<b>1517</b>	<b>3252</b>	<b>4406</b>	<b>1348</b>	<b>5709</b>	<b>6829</b>	<b>3344</b>	<b>3669</b>

**Loads and Resources - Pacific Northwest Region**

**Operating Year: 2021 Water Year: 1937**

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S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Regional Loads</b>															
165 <b>Retail Loads</b>	24129	23954	22195	21344	23868	26200	26429	25186	23170	22065	22065	21463	23296	24884	23675
166 Federal Agency	147	146	135	144	179	206	201	191	171	153	153	142	133	144	162
167 USBR	296	302	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
168 Cooperative	2165	2149	1913	1797	2082	2352	2310	2216	1954	1898	1898	1940	2061	2264	2078
169 Municipality	2593	2569	2506	2648	3097	3287	3341	3227	2908	2738	2738	2538	2515	2585	2829
170 Public Utility District	4479	4451	4268	4371	5079	5553	5512	5260	4726	4511	4511	4262	4311	4513	4734
171 Investor-Owned Utility	13761	13651	12469	11563	12658	14010	14288	13513	12592	11753	11753	11498	13176	14223	12954
172 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
173 Direct-Service Industry	446	445	445	489	489	489	490	489	489	490	490	489	489	489	482
174 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175 <b>Exports</b>	1358	1583	1404	1294	1097	1022	922	908	1204	1391	1217	1194	1564	1530	1245
176 Canada	584	555	454	454	454	454	454	454	454	454	454	454	454	478	466
177 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
178 Inland Southwest	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	15.0
179 Pacific Southwest	762	1011	933	822	629	556	459	444	734	916	746	723	1086	1033	763
180 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 <b>Total Regional Loads</b>	<b>25487</b>	<b>25538</b>	<b>23599</b>	<b>22638</b>	<b>24964</b>	<b>27222</b>	<b>27351</b>	<b>26093</b>	<b>24374</b>	<b>23456</b>	<b>23282</b>	<b>22657</b>	<b>24859</b>	<b>26414</b>	<b>24919</b>
<b>Regional Resources</b>															
182 <b>Hydro Resources</b>	11911	10655	9466	10192	12653	13441	10532	10529	10727	10798	9790	15694	15407	11904	11852
183 Regulated Hydro - Net	10594	9344	8264	9120	11705	12465	9740	9680	9681	9285	8256	13712	13412	10356	10579
184 Independent Hydro - Net	991	988	959	910	817	854	678	727	891	1229	1248	1572	1553	1127	1027
185 Small Hydro - Net	325	323	243	162	131	123	115	121	155	284	286	410	442	421	245
186 <b>Other Resources</b>	16827	17653	17479	17646	17245	16520	15623	15557	15432	16678	14368	12255	13957	16425	15911
187 Cogeneration Resources	2506	2506	2511	2485	2567	2600	2560	2578	1795	2478	1930	2210	2324	2504	2402
188 Combustion Turbine Resources	6153	6160	6220	6275	6396	6467	6471	6413	6365	6251	5243	3503	4484	6156	5886
189 Large Thermal Resources	6445	6445	6445	6445	6445	5819	5285	5285	5024	5169	4972	4159	4017	5181	5470
190 Renewable Resources	1692	2511	2266	2403	1800	1596	1269	1244	2210	2746	2189	2346	3097	2548	2117
191 Small Thermal & Miscellaneous	30.3	30.4	35.9	37.6	36.5	38.1	37.9	36.3	37.9	33.8	33.6	37.7	33.2	35.3	35.9
192 <b>Imports</b>	627	626	565	587	775	875	712	711	614	511	511	557	701	688	660
193 Canada	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
194 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Inland Southwest	542	542	485	451	442	477	449	463	437	417	417	465	598	661	491
196 Pacific Southwest	64.4	63.5	63.9	115	294	349	201	178	115	64.4	64.4	63.4	64.4	0	131
197 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198 <b>Reserves &amp; Losses</b>	-872	-859	-817	-844	-911	-916	-798	-796	-795	-831	-733	-847	-893	-862	-844
199 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Transmission Losses	-872	-859	-817	-844	-911	-916	-798	-796	-795	-831	-733	-847	-893	-862	-844
204 <b>Total Regional Resources</b>	<b>28493</b>	<b>28075</b>	<b>26693</b>	<b>27582</b>	<b>29762</b>	<b>29921</b>	<b>26070</b>	<b>26002</b>	<b>25977</b>	<b>27156</b>	<b>23937</b>	<b>27660</b>	<b>29173</b>	<b>28155</b>	<b>27579</b>
205 <b>Total Surplus/Deficit</b>	<b>3006</b>	<b>2538</b>	<b>3094</b>	<b>4944</b>	<b>4798</b>	<b>2699</b>	<b>-1281</b>	<b>-91.7</b>	<b>1603</b>	<b>3700</b>	<b>655</b>	<b>5002</b>	<b>4313</b>	<b>1741</b>	<b>2659</b>

**Loads and Resources - Pacific Northwest Region**

**Operating Year: 2022 Water Year: 1937**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Regional Loads</b>															
206 <b>Retail Loads</b>	24268	24513	22504	21593	24137	26480	26704	25450	23419	22300	22300	21699	23576	25191	23951
207 Federal Agency	146	147	135	145	179	206	201	191	172	154	154	142	133	144	162
208 USBR	303	296	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
209 Cooperative	2180	2203	1945	1829	2115	2386	2343	2250	1986	1930	1930	1971	2093	2297	2111
210 Municipality	2577	2610	2519	2662	3112	3303	3355	3241	2921	2750	2750	2549	2527	2597	2842
211 Public Utility District	4484	4523	4307	4415	5133	5599	5550	5295	4756	4541	4541	4291	4343	4546	4771
212 Investor-Owned Utility	13848	14003	12650	11722	12825	14194	14477	13693	12766	11914	11914	11661	13382	14453	13139
213 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
214 Direct-Service Industry	488	489	489	489	489	489	490	489	489	490	490	489	489	489	489
215 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216 <b>Exports</b>	1080	1375	1178	1247	1043	967	866	853	1158	1344	1170	1153	1463	1316	1146
217 Canada	543	584	449	449	449	449	449	449	449	449	449	449	449	473	461
218 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
219 Inland Southwest	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	15.0
220 Pacific Southwest	525	773	713	780	580	506	408	394	692	874	704	686	990	824	669
221 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 <b>Total Regional Loads</b>	<b>25348</b>	<b>25888</b>	<b>23682</b>	<b>22840</b>	<b>25180</b>	<b>27447</b>	<b>27570</b>	<b>26302</b>	<b>24577</b>	<b>23644</b>	<b>23470</b>	<b>22852</b>	<b>25039</b>	<b>26508</b>	<b>25097</b>
<b>Regional Resources</b>															
223 <b>Hydro Resources</b>	11911	10655	9457	10159	12613	13396	10532	10529	10727	10798	9790	15694	15407	11904	11841
224 Regulated Hydro - Net	10594	9344	8264	9120	11705	12465	9740	9680	9681	9285	8256	13712	13412	10356	10579
225 Independent Hydro - Net	991	988	950	877	777	809	678	727	891	1229	1248	1572	1553	1127	1017
226 Small Hydro - Net	325	323	243	162	131	123	115	121	155	284	286	410	442	421	245
227 <b>Other Resources</b>	15666	16492	16281	16493	16084	15986	15509	15441	15641	14885	12936	12669	15072	16414	15468
228 Cogeneration Resources	2505	2505	2474	2491	2567	2599	2560	2577	1914	2118	1930	2140	2271	2503	2384
229 Combustion Turbine Resources	6153	6160	6220	6275	6396	6467	6471	6413	6365	6251	5243	3488	4484	6156	5884
230 Large Thermal Resources	5285	5285	5285	5285	5285	5285	5171	5171	5114	3737	3540	4669	5186	5171	5047
231 Renewable Resources	1692	2511	2266	2403	1800	1596	1269	1244	2210	2746	2189	2334	3097	2548	2116
232 Small Thermal & Miscellaneous	30.3	30.4	35.9	37.6	36.5	38.1	37.9	36.3	37.9	33.8	33.6	37.7	33.2	35.3	35.9
233 <b>Imports</b>	569	569	504	476	664	764	601	600	502	449	449	497	643	694	580
234 Canada	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
235 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
236 Inland Southwest	548	548	488	454	445	480	451	466	440	419	419	468	605	667	494
237 Pacific Southwest	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
238 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
239 <b>Reserves &amp; Losses</b>	-836	-823	-779	-806	-872	-895	-791	-789	-798	-776	-688	-857	-924	-862	-828
240 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
241 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
242 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
243 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
244 Transmission Losses	-836	-823	-779	-806	-872	-895	-791	-789	-798	-776	-688	-857	-924	-862	-828
245 <b>Total Regional Resources</b>	<b>27310</b>	<b>26893</b>	<b>25462</b>	<b>26322</b>	<b>28490</b>	<b>29251</b>	<b>25850</b>	<b>25781</b>	<b>26072</b>	<b>25357</b>	<b>22487</b>	<b>28003</b>	<b>30198</b>	<b>28151</b>	<b>27061</b>
246 <b>Total Surplus/Deficit</b>	<b>1962</b>	<b>1005</b>	<b>1780</b>	<b>3482</b>	<b>3309</b>	<b>1804</b>	<b>-1720</b>	<b>-521</b>	<b>1495</b>	<b>1713</b>	<b>-983</b>	<b>5151</b>	<b>5159</b>	<b>1643</b>	<b>1964</b>

**Loads and Resources - Pacific Northwest Region**

**Operating Year: 2023 Water Year: 1937**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Regional Loads</b>															
247 <b>Retail Loads</b>	24682	24707	22759	21868	24428	26792	27022	25755	23711	22662	22495	21982	23902	25546	24250
248 Federal Agency	147	147	136	145	180	207	202	192	172	155	154	142	134	145	163
249 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	255	257	330	344	404	184
250 Cooperative	2223	2225	1977	1860	2147	2419	2376	2283	2018	1969	1955	2003	2125	2329	2144
251 Municipality	2604	2607	2531	2674	3126	3317	3368	3255	2933	2776	2747	2560	2538	2608	2854
252 Public Utility District	4536	4539	4337	4445	5167	5636	5587	5330	4788	4588	4555	4321	4374	4580	4804
253 Investor-Owned Utility	14142	14160	12832	11880	12992	14377	14667	13872	12938	12121	12029	11827	13589	14685	13324
254 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
255 Direct-Service Industry	489	489	489	533	533	533	533	533	533	534	533	533	532	532	525
256 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
257 <b>Exports</b>	1094	1353	1174	1243	1039	929	835	822	1105	1294	1097	1091	1382	1247	1109
258 Canada	557	561	445	445	445	445	445	445	445	462	427	445	445	469	456
259 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
260 Inland Southwest	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	15.0
261 Pacific Southwest	525	773	713	780	580	472	381	368	643	811	653	629	914	759	636
262 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
263 <b>Total Regional Loads</b>	<b>25776</b>	<b>26060</b>	<b>23933</b>	<b>23111</b>	<b>25466</b>	<b>27720</b>	<b>27857</b>	<b>26578</b>	<b>24816</b>	<b>23957</b>	<b>23592</b>	<b>23073</b>	<b>25284</b>	<b>26793</b>	<b>25359</b>
<b>Regional Resources</b>															
264 <b>Hydro Resources</b>	11911	10655	9457	10159	12613	13396	10532	10529	10727	10798	9790	15694	15407	11904	11841
265 Regulated Hydro - Net	10594	9344	8264	9120	11705	12465	9740	9680	9681	9285	8256	13712	13412	10356	10579
266 Independent Hydro - Net	991	988	950	877	777	809	678	727	891	1229	1248	1572	1553	1127	1017
267 Small Hydro - Net	325	323	243	162	131	123	115	121	155	284	286	410	442	421	245
268 <b>Other Resources</b>	15553	16379	16153	16320	15880	15819	15458	15389	15276	15724	13460	11970	13827	16227	15241
269 Cogeneration Resources	2506	2506	2511	2485	2530	2600	2563	2578	1797	2488	1933	2193	2345	2471	2398
270 Combustion Turbine Resources	6153	6160	6169	6224	6343	6414	6418	6360	6313	6199	5243	3479	4450	6105	5844
271 Large Thermal Resources	5171	5171	5171	5171	5171	5171	5171	5171	4919	4258	4061	3926	3901	5067	4848
272 Renewable Resources	1692	2511	2266	2403	1800	1596	1269	1244	2210	2746	2189	2334	3097	2548	2116
273 Small Thermal & Miscellaneous	30.3	30.4	35.9	37.6	36.5	38.1	37.9	36.3	37.9	33.8	33.6	37.7	33.2	35.3	35.9
274 <b>Imports</b>	575	574	507	479	667	767	603	602	505	452	452	500	649	702	584
275 Canada	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
276 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
277 Inland Southwest	554	554	491	457	447	483	453	468	443	422	422	471	611	674	498
278 Pacific Southwest	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
279 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
280 <b>Reserves &amp; Losses</b>	-833	-820	-776	-801	-866	-890	-790	-788	-787	-801	-704	-836	-888	-856	-822
281 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
282 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
283 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
284 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
285 Transmission Losses	-833	-820	-776	-801	-866	-890	-790	-788	-787	-801	-704	-836	-888	-856	-822
286 <b>Total Regional Resources</b>	<b>27206</b>	<b>26788</b>	<b>25342</b>	<b>26157</b>	<b>28294</b>	<b>29092</b>	<b>25804</b>	<b>25733</b>	<b>25721</b>	<b>26174</b>	<b>22999</b>	<b>27327</b>	<b>28995</b>	<b>27977</b>	<b>26845</b>
287 <b>Total Surplus/Deficit</b>	<b>1430</b>	<b>728</b>	<b>1408</b>	<b>3046</b>	<b>2828</b>	<b>1372</b>	<b>-2053</b>	<b>-844</b>	<b>905</b>	<b>2217</b>	<b>-593</b>	<b>4254</b>	<b>3711</b>	<b>1184</b>	<b>1486</b>

**Loads and Resources - Pacific Northwest Region**

**Operating Year: 2024 Water Year: 1937**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Regional Loads</b>															
288 <b>Retail Loads</b>	25022	25048	23051	22090	24666	27053	27286	25841	23952	22803	22803	22206	24175	25845	24502
289 Federal Agency	147	147	136	145	180	208	203	188	173	155	155	143	134	145	163
290 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	183
291 Cooperative	2256	2258	2009	1887	2176	2449	2406	2259	2045	1989	1989	2030	2153	2358	2169
292 Municipality	2616	2619	2542	2685	3139	3331	3381	3224	2945	2772	2772	2570	2548	2618	2864
293 Public Utility District	4562	4565	4363	4470	5195	5667	5616	5297	4813	4596	4596	4345	4399	4606	4827
294 Investor-Owned Utility	14367	14386	13011	12038	13160	14563	14860	14050	13114	12235	12235	11990	13799	14918	13512
295 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
296 Direct-Service Industry	533	532	532	533	533	533	533	533	533	533	533	533	532	532	533
297 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
298 <b>Exports</b>	1045	1283	1090	1163	979	910	820	807	1080	1247	1090	1066	1349	1219	1069
299 Canada	553	557	440	440	440	440	440	440	440	440	440	440	440	464	452
300 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
301 Inland Southwest	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	14.9
302 Pacific Southwest	480	707	633	704	525	458	370	357	623	785	633	608	885	735	601
303 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
304 <b>Total Regional Loads</b>	<b>26067</b>	<b>26330</b>	<b>24141</b>	<b>23253</b>	<b>25645</b>	<b>27963</b>	<b>28106</b>	<b>26648</b>	<b>25033</b>	<b>24049</b>	<b>23893</b>	<b>23272</b>	<b>25524</b>	<b>27064</b>	<b>25571</b>
<b>Regional Resources</b>															
305 <b>Hydro Resources</b>	11911	10655	9457	10159	12613	13396	10532	10529	10727	10798	9790	15694	15407	11904	11837
306 Regulated Hydro - Net	10594	9344	8264	9120	11705	12465	9740	9680	9681	9285	8256	13712	13412	10356	10577
307 Independent Hydro - Net	991	988	950	877	777	809	678	727	891	1229	1248	1572	1553	1127	1016
308 Small Hydro - Net	325	323	243	162	131	123	115	121	155	284	286	410	442	421	245
309 <b>Other Resources</b>	15502	16328	16153	16320	15918	15819	15456	15390	15500	16466	14202	12573	14858	16364	15467
310 Cogeneration Resources	2506	2506	2511	2485	2567	2600	2560	2578	1795	2488	1933	2211	2324	2504	2404
311 Combustion Turbine Resources	6103	6110	6169	6224	6343	6414	6418	6360	6313	6199	5243	3515	4421	6105	5842
312 Large Thermal Resources	5171	5171	5171	5171	5171	5171	5171	5171	5144	5000	4803	4463	4978	5171	5071
313 Renewable Resources	1692	2511	2266	2403	1800	1596	1269	1244	2210	2746	2189	2346	3102	2548	2115
314 Small Thermal & Miscellaneous	30.3	30.4	35.9	37.6	36.5	38.1	37.9	36.3	37.9	33.8	33.6	37.7	33.2	35.3	35.9
315 <b>Imports</b>	580	580	510	482	669	770	605	605	508	455	455	503	656	708	588
316 Canada	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
317 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
318 Inland Southwest	560	559	494	460	449	485	456	471	445	425	425	474	617	681	502
319 Pacific Southwest	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
320 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
321 <b>Reserves &amp; Losses</b>	-831	-819	-776	-801	-867	-891	-790	-788	-794	-823	-726	-854	-918	-861	-828
322 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
323 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
324 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
325 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
326 Transmission Losses	-831	-819	-776	-801	-867	-891	-790	-788	-794	-823	-726	-854	-918	-861	-828
327 <b>Total Regional Resources</b>	<b>27162</b>	<b>26745</b>	<b>25345</b>	<b>26160</b>	<b>28333</b>	<b>29095</b>	<b>25804</b>	<b>25736</b>	<b>25940</b>	<b>26896</b>	<b>23721</b>	<b>27916</b>	<b>30003</b>	<b>28116</b>	<b>27064</b>
328 <b>Total Surplus/Deficit</b>	<b>1095</b>	<b>415</b>	<b>1204</b>	<b>2907</b>	<b>2688</b>	<b>1132</b>	<b>-2302</b>	<b>-912</b>	<b>907</b>	<b>2847</b>	<b>-172</b>	<b>4644</b>	<b>4478</b>	<b>1052</b>	<b>1493</b>

**Loads and Resources - Pacific Northwest Region**

**Operating Year: 2025 Water Year: 1937**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Regional Loads</b>															
329 <b>Retail Loads</b>	25315	25341	23295	22298	24887	27295	27532	26219	24170	23010	23010	22416	24436	26130	24749
330 Federal Agency	148	148	136	146	181	208	203	193	173	155	155	143	134	146	164
331 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
332 Cooperative	2284	2286	2036	1901	2191	2465	2422	2329	2060	2004	2004	2045	2168	2374	2190
333 Municipality	2626	2629	2552	2694	3148	3340	3390	3255	2954	2781	2781	2579	2557	2628	2874
334 Public Utility District	4586	4589	4386	4493	5220	5693	5642	5385	4836	4620	4620	4368	4423	4631	4855
335 Investor-Owned Utility	14597	14616	13195	12200	13331	14753	15054	14233	13285	12395	12395	12154	14012	15153	13698
336 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
337 Direct-Service Industry	533	532	532	533	533	533	533	533	533	533	533	533	532	532	533
338 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
339 <b>Exports</b>	1027	1257	1086	1159	976	906	816	804	1077	1243	1087	1062	1345	1215	1064
340 Canada	549	554	437	437	437	437	437	437	437	437	437	437	437	461	449
341 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
342 Inland Southwest	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	15.0
343 Pacific Southwest	465	685	633	704	525	458	370	357	623	785	633	608	885	735	600
344 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
345 <b>Total Regional Loads</b>	<b>26342</b>	<b>26598</b>	<b>24382</b>	<b>23457</b>	<b>25863</b>	<b>28201</b>	<b>28348</b>	<b>27022</b>	<b>25247</b>	<b>24253</b>	<b>24096</b>	<b>23478</b>	<b>25781</b>	<b>27345</b>	<b>25813</b>
<b>Regional Resources</b>															
346 <b>Hydro Resources</b>	11911	10655	9457	10159	12613	13396	10532	10529	10727	10798	9790	15694	15407	11904	11841
347 Regulated Hydro - Net	10594	9344	8264	9120	11705	12465	9740	9680	9681	9285	8256	13712	13412	10356	10579
348 Independent Hydro - Net	991	988	950	877	777	809	678	727	891	1229	1248	1572	1553	1127	1017
349 Small Hydro - Net	325	323	243	162	131	123	115	121	155	284	286	410	442	421	245
350 <b>Other Resources</b>	15501	16327	16116	16326	15917	15818	15456	15389	15424	15388	13498	11775	13963	16259	15235
351 Cogeneration Resources	2505	2505	2474	2491	2567	2599	2560	2577	1914	2111	1930	2140	2271	2503	2384
352 Combustion Turbine Resources	6103	6110	6169	6224	6343	6414	6418	6360	6313	6199	5243	3494	4450	6105	5841
353 Large Thermal Resources	5171	5171	5171	5171	5171	5171	5171	5171	4949	4299	4102	3759	4111	5067	4857
354 Renewable Resources	1692	2511	2266	2403	1800	1596	1269	1244	2210	2746	2189	2346	3097	2548	2117
355 Small Thermal & Miscellaneous	30.3	30.4	35.9	37.6	36.5	38.1	37.9	36.3	37.9	33.8	33.6	37.7	33.2	35.3	35.9
356 <b>Imports</b>	586	586	514	484	671	773	608	608	511	458	458	506	663	715	591
357 Canada	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
358 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
359 Inland Southwest	565	565	498	462	452	488	458	473	448	428	428	477	624	688	506
360 Pacific Southwest	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
361 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
362 <b>Reserves &amp; Losses</b>	-832	-819	-775	-801	-867	-891	-790	-788	-792	-791	-705	-831	-892	-858	-822
363 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
364 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
365 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
366 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
367 Transmission Losses	-832	-819	-775	-801	-867	-891	-790	-788	-792	-791	-705	-831	-892	-858	-822
368 <b>Total Regional Resources</b>	<b>27167</b>	<b>26750</b>	<b>25312</b>	<b>26169</b>	<b>28335</b>	<b>29097</b>	<b>25806</b>	<b>25738</b>	<b>25870</b>	<b>25853</b>	<b>23041</b>	<b>27145</b>	<b>29140</b>	<b>28021</b>	<b>26845</b>
369 <b>Total Surplus/Deficit</b>	<b>825</b>	<b>151</b>	<b>930</b>	<b>2712</b>	<b>2472</b>	<b>895</b>	<b>-2543</b>	<b>-1285</b>	<b>622</b>	<b>1600</b>	<b>-1056</b>	<b>3667</b>	<b>3359</b>	<b>676</b>	<b>1032</b>

**Loads and Resources - Pacific Northwest Region**

**Operating Year: 2026 Water Year: 1937**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Regional Loads</b>															
370 <b>Retail Loads</b>	25704	25518	23524	22508	25113	27541	27786	26457	24398	23224	23224	22632	24701	26420	24990
371 Federal Agency	149	148	137	146	181	209	204	194	174	156	156	144	135	146	164
372 USBR	296	302	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
373 Cooperative	2309	2292	2051	1915	2207	2482	2439	2346	2075	2018	2018	2059	2183	2389	2205
374 Municipality	2649	2625	2561	2706	3161	3354	3403	3269	2966	2794	2794	2591	2569	2641	2886
375 Public Utility District	4626	4598	4409	4512	5241	5716	5664	5408	4856	4639	4639	4386	4443	4651	4876
376 Investor-Owned Utility	14899	14779	13377	12363	13506	14945	15255	14417	13465	12563	12563	12324	14229	15395	13890
377 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
378 Direct-Service Industry	533	532	532	533	533	533	533	533	533	533	533	533	532	532	533
379 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
380 <b>Exports</b>	1040	1238	1083	1155	972	903	813	800	1073	1239	1083	1059	1342	1212	1061
381 Canada	562	534	433	433	433	433	433	433	433	433	433	433	433	457	445
382 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
383 Inland Southwest	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	15.0
384 Pacific Southwest	465	685	633	704	525	458	370	357	623	785	633	608	885	735	600
385 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
386 <b>Total Regional Loads</b>	<b>26744</b>	<b>26755</b>	<b>24607</b>	<b>23663</b>	<b>26085</b>	<b>28443</b>	<b>28598</b>	<b>27257</b>	<b>25471</b>	<b>24463</b>	<b>24307</b>	<b>23691</b>	<b>26042</b>	<b>27632</b>	<b>26051</b>
<b>Regional Resources</b>															
387 <b>Hydro Resources</b>	11911	10655	9457	10159	12613	13396	10532	10529	10727	10798	9790	15694	15407	11904	11841
388 Regulated Hydro - Net	10594	9344	8264	9120	11705	12465	9740	9680	9681	9285	8256	13712	13412	10356	10579
389 Independent Hydro - Net	991	988	950	877	777	809	678	727	891	1229	1248	1572	1553	1127	1017
390 Small Hydro - Net	325	323	243	162	131	123	115	121	155	284	286	410	442	421	245
391 <b>Other Resources</b>	15502	16328	16153	16320	15880	15193	14712	14643	14765	14970	12699	11709	14155	15585	14908
392 Cogeneration Resources	2506	2506	2511	2485	2530	2600	2563	2578	1797	2491	1930	2194	2345	2471	2398
393 Combustion Turbine Resources	6103	6110	6169	6224	6343	6414	6418	6360	6313	6199	5243	3479	4450	6105	5840
394 Large Thermal Resources	5171	5171	5171	5171	5171	4545	4424	4424	4408	3500	3303	3664	4229	4424	4518
395 Renewable Resources	1692	2511	2266	2403	1800	1596	1269	1244	2210	2746	2189	2334	3097	2548	2116
396 Small Thermal & Miscellaneous	30.3	30.4	35.9	37.6	36.5	38.1	37.9	36.3	37.9	33.8	33.6	37.7	33.2	35.3	35.9
397 <b>Imports</b>	592	592	517	488	674	775	610	610	514	461	461	509	669	722	595
398 Canada	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
399 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400 Inland Southwest	571	571	501	466	454	491	461	476	451	430	430	480	631	695	509
401 Pacific Southwest	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
402 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
403 <b>Reserves &amp; Losses</b>	-832	-819	-776	-801	-866	-872	-768	-766	-772	-779	-682	-829	-898	-838	-812
404 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
405 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
406 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
407 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
408 Transmission Losses	-832	-819	-776	-801	-866	-872	-768	-766	-772	-779	-682	-829	-898	-838	-812
409 <b>Total Regional Resources</b>	<b>27173</b>	<b>26756</b>	<b>25351</b>	<b>26166</b>	<b>28301</b>	<b>28492</b>	<b>25087</b>	<b>25016</b>	<b>25233</b>	<b>25449</b>	<b>22268</b>	<b>27083</b>	<b>29334</b>	<b>27373</b>	<b>26532</b>
410 <b>Total Surplus/Deficit</b>	<b>430</b>	<b>0.78</b>	<b>744</b>	<b>2503</b>	<b>2216</b>	<b>49.0</b>	<b>-3512</b>	<b>-2240</b>	<b>-237</b>	<b>986</b>	<b>-2039</b>	<b>3392</b>	<b>3291</b>	<b>-258</b>	<b>481</b>

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***Exhibit 21***  
***Table A-1: Regional Total Retail Loads***

***Monthly Energy***  
***Operating Year 2017 to 2026***  
***Using 1937-Water Conditions***

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**Table A-1: Regional: Total Retail Loads**  
**Operating Year 2017**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Loads</b>															
1 Federal Agency	115	115	106	114	137	156	157	150	137	124	123	115	107	115	128
2 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	255	257	330	344	404	184
3 Cooperative	2056	2058	1818	1690	1970	2237	2195	2100	1845	1798	1784	1829	1944	2143	1968
4 Municipality	2474	2476	2394	2553	2990	3176	3240	3126	2815	2663	2635	2453	2432	2500	2731
5 Public Utility District	4263	4266	4073	4174	4872	5330	5308	5062	4490	4330	4299	4096	4140	4332	4536
6 Investor-Owned Utility	12762	12778	11711	10924	11982	13256	13515	12784	11906	11150	11066	10848	12357	13317	12206
7 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
8 Direct-Service Industry	445	445	445	446	446	446	446	446	446	446	445	445	445	445	445
<b>9 Total Firm Loads</b>	<b>22656</b>	<b>22679</b>	<b>21006</b>	<b>20232</b>	<b>22680</b>	<b>24904</b>	<b>25148</b>	<b>23958</b>	<b>21967</b>	<b>21032</b>	<b>20875</b>	<b>20381</b>	<b>22033</b>	<b>23519</b>	<b>22450</b>
<b>Non-Firm Loads</b>															
10 Public Utility District	0	0	14.3	0	0	0	3.50	23.0	54.4	33.8	33.8	0	0	0	10.6
<b>11 Total Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14.3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.50</b>	<b>23.0</b>	<b>54.4</b>	<b>33.8</b>	<b>33.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10.6</b>
<b>Total Regional Loads (Firm+Non-Firm)</b>															
12 Federal Agency	115	115	106	114	137	156	157	150	137	124	123	115	107	115	128
13 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	255	257	330	344	404	184
14 Cooperative	2056	2058	1818	1690	1970	2237	2195	2100	1845	1798	1784	1829	1944	2143	1968
15 Municipality	2474	2476	2394	2553	2990	3176	3240	3126	2815	2663	2635	2453	2432	2500	2731
16 Public Utility District	4263	4266	4088	4174	4872	5330	5311	5085	4544	4364	4333	4096	4140	4332	4546
17 Investor-Owned Utility	12762	12778	11711	10924	11982	13256	13515	12784	11906	11150	11066	10848	12357	13317	12206
18 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
19 Direct-Service Industry	445	445	445	446	446	446	446	446	446	446	445	445	445	445	445
<b>20 Total Loads</b>	<b>22656</b>	<b>22679</b>	<b>21021</b>	<b>20232</b>	<b>22680</b>	<b>24904</b>	<b>25152</b>	<b>23981</b>	<b>22021</b>	<b>21066</b>	<b>20909</b>	<b>20381</b>	<b>22033</b>	<b>23519</b>	<b>22461</b>

**Table A-1: Regional: Total Retail Loads**  
**Operating Year 2018**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Loads</b>															
1 Federal Agency	118	118	109	116	141	160	161	154	140	126	127	117	109	117	131
2 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	257	255	330	344	404	184
3 Cooperative	2072	2074	1835	1715	1996	2264	2220	2125	1868	1807	1821	1852	1968	2167	1991
4 Municipality	2507	2510	2435	2575	3016	3202	3280	3167	2854	2673	2701	2491	2469	2538	2767
5 Public Utility District	4328	4331	4137	4255	4954	5418	5381	5122	4565	4362	4393	4158	4206	4399	4606
6 Investor-Owned Utility	13025	13042	11928	11094	12163	13456	13722	12978	12083	11234	11319	11021	12569	13554	12406
7 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
8 Direct-Service Industry	445	445	445	446	446	446	446	446	446	445	446	445	445	445	445
<b>9 Total Firm Loads</b>	<b>23037</b>	<b>23060</b>	<b>21347</b>	<b>20533</b>	<b>22999</b>	<b>25249</b>	<b>25499</b>	<b>24282</b>	<b>22285</b>	<b>21169</b>	<b>21328</b>	<b>20679</b>	<b>22374</b>	<b>23887</b>	<b>22782</b>
<b>Non-Firm Loads</b>															
10 Public Utility District	0	0	14.3	0	0	0	3.50	23.0	54.4	33.8	33.8	0	0	0	10.6
<b>11 Total Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14.3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.50</b>	<b>23.0</b>	<b>54.4</b>	<b>33.8</b>	<b>33.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10.6</b>
<b>Total Regional Loads (Firm+Non-Firm)</b>															
12 Federal Agency	118	118	109	116	141	160	161	154	140	126	127	117	109	117	131
13 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	257	255	330	344	404	184
14 Cooperative	2072	2074	1835	1715	1996	2264	2220	2125	1868	1807	1821	1852	1968	2167	1991
15 Municipality	2507	2510	2435	2575	3016	3202	3280	3167	2854	2673	2701	2491	2469	2538	2767
16 Public Utility District	4328	4331	4151	4255	4954	5418	5385	5145	4620	4395	4427	4158	4206	4399	4617
17 Investor-Owned Utility	13025	13042	11928	11094	12163	13456	13722	12978	12083	11234	11319	11021	12569	13554	12406
18 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
19 Direct-Service Industry	445	445	445	446	446	446	446	446	446	445	446	445	445	445	445
<b>20 Total Loads</b>	<b>23037</b>	<b>23060</b>	<b>21361</b>	<b>20533</b>	<b>22999</b>	<b>25249</b>	<b>25502</b>	<b>24305</b>	<b>22340</b>	<b>21203</b>	<b>21362</b>	<b>20679</b>	<b>22374</b>	<b>23887</b>	<b>22793</b>

**Table A-1: Regional: Total Retail Loads**  
**Operating Year 2019**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Loads</b>															
1 Federal Agency	120	120	111	119	144	164	200	190	171	153	153	141	133	143	149
2 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
3 Cooperative	2096	2098	1856	1736	2019	2288	2246	2152	1893	1836	1836	1876	1992	2192	2015
4 Municipality	2545	2547	2473	2613	3056	3242	3302	3188	2873	2705	2705	2507	2485	2554	2793
5 Public Utility District	4390	4393	4186	4303	5005	5472	5428	5166	4604	4416	4416	4195	4245	4438	4652
6 Investor-Owned Utility	13258	13275	12116	11248	12327	13637	13907	13153	12250	11433	11433	11177	12769	13774	12588
7 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
8 Direct-Service Industry	445	445	445	446	446	446	446	446	446	446	446	445	445	445	445
<b>9 Total Firm Loads</b>	<b>23396</b>	<b>23419</b>	<b>21645</b>	<b>20796</b>	<b>23280</b>	<b>25551</b>	<b>25817</b>	<b>24585</b>	<b>22566</b>	<b>21511</b>	<b>21511</b>	<b>20938</b>	<b>22678</b>	<b>24213</b>	<b>23079</b>
<b>Non-Firm Loads</b>															
10 Public Utility District	0	0	14.3	0	0	0	3.50	23.0	54.4	33.8	33.8	0	0	0	10.6
<b>11 Total Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14.3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.50</b>	<b>23.0</b>	<b>54.4</b>	<b>33.8</b>	<b>33.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10.6</b>
<b>Total Regional Loads (Firm+Non-Firm)</b>															
12 Federal Agency	120	120	111	119	144	164	200	190	171	153	153	141	133	143	149
13 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
14 Cooperative	2096	2098	1856	1736	2019	2288	2246	2152	1893	1836	1836	1876	1992	2192	2015
15 Municipality	2545	2547	2473	2613	3056	3242	3302	3188	2873	2705	2705	2507	2485	2554	2793
16 Public Utility District	4390	4393	4200	4303	5005	5472	5431	5189	4659	4450	4450	4195	4245	4438	4663
17 Investor-Owned Utility	13258	13275	12116	11248	12327	13637	13907	13153	12250	11433	11433	11177	12769	13774	12588
18 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
19 Direct-Service Industry	445	445	445	446	446	446	446	446	446	446	446	445	445	445	445
<b>20 Total Loads</b>	<b>23396</b>	<b>23419</b>	<b>21660</b>	<b>20796</b>	<b>23280</b>	<b>25551</b>	<b>25820</b>	<b>24608</b>	<b>22621</b>	<b>21544</b>	<b>21544</b>	<b>20938</b>	<b>22678</b>	<b>24213</b>	<b>23090</b>

**Table A-1: Regional: Total Retail Loads**  
**Operating Year 2020**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Loads</b>															
1 Federal Agency	146	146	135	144	179	206	201	186	171	153	153	141	133	144	161
2 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	183
3 Cooperative	2121	2123	1881	1765	2048	2318	2276	2130	1921	1865	1865	1906	2027	2228	2041
4 Municipality	2561	2564	2489	2630	3076	3263	3324	3194	2894	2724	2724	2525	2502	2572	2812
5 Public Utility District	4428	4431	4222	4339	5044	5515	5468	5142	4639	4450	4450	4228	4279	4473	4685
6 Investor-Owned Utility	13476	13493	12290	11404	12490	13825	14096	13334	12420	11592	11592	11336	12972	13998	12772
7 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
8 Direct-Service Industry	445	445	445	446	446	446	446	446	446	446	446	445	445	445	445
<b>9 Total Firm Loads</b>	<b>23719</b>	<b>23743</b>	<b>21920</b>	<b>21059</b>	<b>23567</b>	<b>25875</b>	<b>26098</b>	<b>24721</b>	<b>22819</b>	<b>21751</b>	<b>21751</b>	<b>21177</b>	<b>22967</b>	<b>24526</b>	<b>23352</b>
<b>Non-Firm Loads</b>															
10 Public Utility District	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
<b>11 Total Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14.3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.50</b>	<b>23.8</b>	<b>54.4</b>	<b>33.8</b>	<b>33.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10.7</b>
<b>Total Regional Loads (Firm+Non-Firm)</b>															
12 Federal Agency	146	146	135	144	179	206	201	186	171	153	153	141	133	144	161
13 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	183
14 Cooperative	2121	2123	1881	1765	2048	2318	2276	2130	1921	1865	1865	1906	2027	2228	2041
15 Municipality	2561	2564	2489	2630	3076	3263	3324	3194	2894	2724	2724	2525	2502	2572	2812
16 Public Utility District	4428	4431	4236	4339	5044	5515	5471	5165	4694	4484	4484	4228	4279	4473	4696
17 Investor-Owned Utility	13476	13493	12290	11404	12490	13825	14096	13334	12420	11592	11592	11336	12972	13998	12772
18 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
19 Direct-Service Industry	445	445	445	446	446	446	446	446	446	446	446	445	445	445	445
<b>20 Total Loads</b>	<b>23719</b>	<b>23743</b>	<b>21935</b>	<b>21059</b>	<b>23567</b>	<b>25875</b>	<b>26102</b>	<b>24745</b>	<b>22874</b>	<b>21785</b>	<b>21785</b>	<b>21177</b>	<b>22967</b>	<b>24526</b>	<b>23363</b>

**Table A-1: Regional: Total Retail Loads**  
**Operating Year 2021**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Loads</b>															
1 Federal Agency	147	146	135	144	179	206	201	191	171	153	153	142	133	144	162
2 USBR	296	302	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
3 Cooperative	2165	2149	1913	1797	2082	2352	2310	2216	1954	1898	1898	1940	2061	2264	2078
4 Municipality	2593	2569	2506	2648	3097	3287	3341	3227	2908	2738	2738	2538	2515	2585	2829
5 Public Utility District	4479	4451	4254	4371	5079	5553	5508	5236	4672	4477	4477	4262	4311	4513	4723
6 Investor-Owned Utility	13761	13651	12469	11563	12658	14010	14288	13513	12592	11753	11753	11498	13176	14223	12954
7 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
8 Direct-Service Industry	446	445	445	489	489	489	490	489	489	490	490	489	489	489	482
<b>9 Total Firm Loads</b>	<b>24129</b>	<b>23954</b>	<b>22181</b>	<b>21344</b>	<b>23868</b>	<b>26200</b>	<b>26425</b>	<b>25162</b>	<b>23115</b>	<b>22031</b>	<b>22031</b>	<b>21463</b>	<b>23296</b>	<b>24884</b>	<b>23664</b>
<b>Non-Firm Loads</b>															
10 Public Utility District	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
<b>11 Total Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14.3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.50</b>	<b>23.8</b>	<b>54.4</b>	<b>33.8</b>	<b>33.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10.7</b>
<b>Total Regional Loads (Firm+Non-Firm)</b>															
12 Federal Agency	147	146	135	144	179	206	201	191	171	153	153	142	133	144	162
13 USBR	296	302	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
14 Cooperative	2165	2149	1913	1797	2082	2352	2310	2216	1954	1898	1898	1940	2061	2264	2078
15 Municipality	2593	2569	2506	2648	3097	3287	3341	3227	2908	2738	2738	2538	2515	2585	2829
16 Public Utility District	4479	4451	4268	4371	5079	5553	5512	5260	4726	4511	4511	4262	4311	4513	4734
17 Investor-Owned Utility	13761	13651	12469	11563	12658	14010	14288	13513	12592	11753	11753	11498	13176	14223	12954
18 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
19 Direct-Service Industry	446	445	445	489	489	489	490	489	489	490	490	489	489	489	482
<b>20 Total Loads</b>	<b>24129</b>	<b>23954</b>	<b>22195</b>	<b>21344</b>	<b>23868</b>	<b>26200</b>	<b>26429</b>	<b>25186</b>	<b>23170</b>	<b>22065</b>	<b>22065</b>	<b>21463</b>	<b>23296</b>	<b>24884</b>	<b>23675</b>

**Table A-1: Regional: Total Retail Loads**  
**Operating Year 2022**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Loads</b>															
1 Federal Agency	146	147	135	145	179	206	201	191	172	154	154	142	133	144	162
2 USBR	303	296	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
3 Cooperative	2180	2203	1945	1829	2115	2386	2343	2250	1986	1930	1930	1971	2093	2297	2111
4 Municipality	2577	2610	2519	2662	3112	3303	3355	3241	2921	2750	2750	2549	2527	2597	2842
5 Public Utility District	4484	4523	4293	4415	5133	5599	5547	5271	4702	4507	4507	4291	4343	4546	4761
6 Investor-Owned Utility	13848	14003	12650	11722	12825	14194	14477	13693	12766	11914	11914	11661	13382	14453	13139
7 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
8 Direct-Service Industry	488	489	489	489	489	489	490	489	489	490	490	489	489	489	489
<b>9 Total Firm Loads</b>	<b>24268</b>	<b>24513</b>	<b>22490</b>	<b>21593</b>	<b>24137</b>	<b>26480</b>	<b>26700</b>	<b>25426</b>	<b>23364</b>	<b>22266</b>	<b>22266</b>	<b>21699</b>	<b>23576</b>	<b>25191</b>	<b>23940</b>
<b>Non-Firm Loads</b>															
10 Public Utility District	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
<b>11 Total Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14.3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.50</b>	<b>23.8</b>	<b>54.4</b>	<b>33.8</b>	<b>33.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10.7</b>
<b>Total Regional Loads (Firm+Non-Firm)</b>															
12 Federal Agency	146	147	135	145	179	206	201	191	172	154	154	142	133	144	162
13 USBR	303	296	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
14 Cooperative	2180	2203	1945	1829	2115	2386	2343	2250	1986	1930	1930	1971	2093	2297	2111
15 Municipality	2577	2610	2519	2662	3112	3303	3355	3241	2921	2750	2750	2549	2527	2597	2842
16 Public Utility District	4484	4523	4307	4415	5133	5599	5550	5295	4756	4541	4541	4291	4343	4546	4771
17 Investor-Owned Utility	13848	14003	12650	11722	12825	14194	14477	13693	12766	11914	11914	11661	13382	14453	13139
18 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
19 Direct-Service Industry	488	489	489	489	489	489	490	489	489	490	490	489	489	489	489
<b>20 Total Loads</b>	<b>24268</b>	<b>24513</b>	<b>22504</b>	<b>21593</b>	<b>24137</b>	<b>26480</b>	<b>26704</b>	<b>25450</b>	<b>23419</b>	<b>22300</b>	<b>22300</b>	<b>21699</b>	<b>23576</b>	<b>25191</b>	<b>23951</b>

**Table A-1: Regional: Total Retail Loads**  
**Operating Year 2023**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Loads</b>															
1 Federal Agency	147	147	136	145	180	207	202	192	172	155	154	142	134	145	163
2 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	255	257	330	344	404	184
3 Cooperative	2223	2225	1977	1860	2147	2419	2376	2283	2018	1969	1955	2003	2125	2329	2144
4 Municipality	2604	2607	2531	2674	3126	3317	3368	3255	2933	2776	2747	2560	2538	2608	2854
5 Public Utility District	4536	4539	4323	4445	5167	5636	5583	5306	4733	4554	4522	4321	4374	4580	4793
6 Investor-Owned Utility	14142	14160	12832	11880	12992	14377	14667	13872	12938	12121	12029	11827	13589	14685	13324
7 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
8 Direct-Service Industry	489	489	489	533	533	533	533	533	533	534	533	533	532	532	525
<b>9 Total Firm Loads</b>	<b>24682</b>	<b>24707</b>	<b>22745</b>	<b>21868</b>	<b>24428</b>	<b>26792</b>	<b>27018</b>	<b>25732</b>	<b>23657</b>	<b>22629</b>	<b>22461</b>	<b>21982</b>	<b>23902</b>	<b>25546</b>	<b>24239</b>
<b>Non-Firm Loads</b>															
10 Public Utility District	0	0	14.3	0	0	0	3.50	23.8	54.4	33.9	33.7	0	0	0	10.7
<b>11 Total Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14.3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.50</b>	<b>23.8</b>	<b>54.4</b>	<b>33.9</b>	<b>33.7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10.7</b>
<b>Total Regional Loads (Firm+Non-Firm)</b>															
12 Federal Agency	147	147	136	145	180	207	202	192	172	155	154	142	134	145	163
13 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	255	257	330	344	404	184
14 Cooperative	2223	2225	1977	1860	2147	2419	2376	2283	2018	1969	1955	2003	2125	2329	2144
15 Municipality	2604	2607	2531	2674	3126	3317	3368	3255	2933	2776	2747	2560	2538	2608	2854
16 Public Utility District	4536	4539	4337	4445	5167	5636	5587	5330	4788	4588	4555	4321	4374	4580	4804
17 Investor-Owned Utility	14142	14160	12832	11880	12992	14377	14667	13872	12938	12121	12029	11827	13589	14685	13324
18 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
19 Direct-Service Industry	489	489	489	533	533	533	533	533	533	534	533	533	532	532	525
<b>20 Total Loads</b>	<b>24682</b>	<b>24707</b>	<b>22759</b>	<b>21868</b>	<b>24428</b>	<b>26792</b>	<b>27022</b>	<b>25755</b>	<b>23711</b>	<b>22662</b>	<b>22495</b>	<b>21982</b>	<b>23902</b>	<b>25546</b>	<b>24250</b>



**Table A-1: Regional: Total Retail Loads**  
**Operating Year 2024**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Loads</b>															
1 Federal Agency	147	147	136	145	180	208	203	188	173	155	155	143	134	145	163
2 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	183
3 Cooperative	2256	2258	2009	1887	2176	2449	2406	2259	2045	1989	1989	2030	2153	2358	2169
4 Municipality	2616	2619	2542	2685	3139	3331	3381	3224	2945	2772	2772	2570	2548	2618	2864
5 Public Utility District	4562	4565	4348	4470	5195	5667	5613	5274	4759	4563	4563	4345	4399	4606	4816
6 Investor-Owned Utility	14367	14386	13011	12038	13160	14563	14860	14050	13114	12235	12235	11990	13799	14918	13512
7 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
8 Direct-Service Industry	533	532	532	533	533	533	533	533	533	533	533	533	532	532	533
<b>9 Total Firm Loads</b>	<b>25022</b>	<b>25048</b>	<b>23036</b>	<b>22090</b>	<b>24666</b>	<b>27053</b>	<b>27283</b>	<b>25817</b>	<b>23898</b>	<b>22769</b>	<b>22769</b>	<b>22206</b>	<b>24175</b>	<b>25845</b>	<b>24491</b>
<b>Non-Firm Loads</b>															
10 Public Utility District	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
<b>11 Total Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14.3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.50</b>	<b>23.8</b>	<b>54.4</b>	<b>33.8</b>	<b>33.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10.7</b>
<b>Total Regional Loads (Firm+Non-Firm)</b>															
12 Federal Agency	147	147	136	145	180	208	203	188	173	155	155	143	134	145	163
13 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	183
14 Cooperative	2256	2258	2009	1887	2176	2449	2406	2259	2045	1989	1989	2030	2153	2358	2169
15 Municipality	2616	2619	2542	2685	3139	3331	3381	3224	2945	2772	2772	2570	2548	2618	2864
16 Public Utility District	4562	4565	4363	4470	5195	5667	5616	5297	4813	4596	4596	4345	4399	4606	4827
17 Investor-Owned Utility	14367	14386	13011	12038	13160	14563	14860	14050	13114	12235	12235	11990	13799	14918	13512
18 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
19 Direct-Service Industry	533	532	532	533	533	533	533	533	533	533	533	533	532	532	533
<b>20 Total Loads</b>	<b>25022</b>	<b>25048</b>	<b>23051</b>	<b>22090</b>	<b>24666</b>	<b>27053</b>	<b>27286</b>	<b>25841</b>	<b>23952</b>	<b>22803</b>	<b>22803</b>	<b>22206</b>	<b>24175</b>	<b>25845</b>	<b>24502</b>

**Table A-1: Regional: Total Retail Loads**  
**Operating Year 2025**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Loads</b>															
1 Federal Agency	148	148	136	146	181	208	203	193	173	155	155	143	134	146	164
2 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
3 Cooperative	2284	2286	2036	1901	2191	2465	2422	2329	2060	2004	2004	2045	2168	2374	2190
4 Municipality	2626	2629	2552	2694	3148	3340	3390	3255	2954	2781	2781	2579	2557	2628	2874
5 Public Utility District	4586	4589	4371	4493	5220	5693	5638	5362	4782	4586	4586	4368	4423	4631	4844
6 Investor-Owned Utility	14597	14616	13195	12200	13331	14753	15054	14233	13285	12395	12395	12154	14012	15153	13698
7 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
8 Direct-Service Industry	533	532	532	533	533	533	533	533	533	533	533	533	532	532	533
<b>9 Total Firm Loads</b>	<b>25315</b>	<b>25341</b>	<b>23281</b>	<b>22298</b>	<b>24887</b>	<b>27295</b>	<b>27529</b>	<b>26195</b>	<b>24116</b>	<b>22976</b>	<b>22976</b>	<b>22416</b>	<b>24436</b>	<b>26130</b>	<b>24738</b>
<b>Non-Firm Loads</b>															
10 Public Utility District	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
<b>11 Total Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14.3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.50</b>	<b>23.8</b>	<b>54.4</b>	<b>33.8</b>	<b>33.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10.7</b>
<b>Total Regional Loads (Firm+Non-Firm)</b>															
12 Federal Agency	148	148	136	146	181	208	203	193	173	155	155	143	134	146	164
13 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
14 Cooperative	2284	2286	2036	1901	2191	2465	2422	2329	2060	2004	2004	2045	2168	2374	2190
15 Municipality	2626	2629	2552	2694	3148	3340	3390	3255	2954	2781	2781	2579	2557	2628	2874
16 Public Utility District	4586	4589	4386	4493	5220	5693	5642	5385	4836	4620	4620	4368	4423	4631	4855
17 Investor-Owned Utility	14597	14616	13195	12200	13331	14753	15054	14233	13285	12395	12395	12154	14012	15153	13698
18 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
19 Direct-Service Industry	533	532	532	533	533	533	533	533	533	533	533	533	532	532	533
<b>20 Total Loads</b>	<b>25315</b>	<b>25341</b>	<b>23295</b>	<b>22298</b>	<b>24887</b>	<b>27295</b>	<b>27532</b>	<b>26219</b>	<b>24170</b>	<b>23010</b>	<b>23010</b>	<b>22416</b>	<b>24436</b>	<b>26130</b>	<b>24749</b>

**Table A-1: Regional: Total Retail Loads**  
**Operating Year 2026**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Loads</b>															
1 Federal Agency	149	148	137	146	181	209	204	194	174	156	156	144	135	146	164
2 USBR	296	302	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
3 Cooperative	2309	2292	2051	1915	2207	2482	2439	2346	2075	2018	2018	2059	2183	2389	2205
4 Municipality	2649	2625	2561	2706	3161	3354	3403	3269	2966	2794	2794	2591	2569	2641	2886
5 Public Utility District	4626	4598	4395	4512	5241	5716	5660	5384	4801	4605	4605	4386	4443	4651	4865
6 Investor-Owned Utility	14899	14779	13377	12363	13506	14945	15255	14417	13465	12563	12563	12324	14229	15395	13890
7 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
8 Direct-Service Industry	533	532	532	533	533	533	533	533	533	533	533	533	532	532	533
<b>9 Total Firm Loads</b>	<b>25704</b>	<b>25518</b>	<b>23510</b>	<b>22508</b>	<b>25113</b>	<b>27541</b>	<b>27782</b>	<b>26433</b>	<b>24343</b>	<b>23190</b>	<b>23190</b>	<b>22632</b>	<b>24701</b>	<b>26420</b>	<b>24979</b>
<b>Non-Firm Loads</b>															
10 Public Utility District	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
<b>11 Total Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14.3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.50</b>	<b>23.8</b>	<b>54.4</b>	<b>33.8</b>	<b>33.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10.7</b>
<b>Total Regional Loads (Firm+Non-Firm)</b>															
12 Federal Agency	149	148	137	146	181	209	204	194	174	156	156	144	135	146	164
13 USBR	296	302	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
14 Cooperative	2309	2292	2051	1915	2207	2482	2439	2346	2075	2018	2018	2059	2183	2389	2205
15 Municipality	2649	2625	2561	2706	3161	3354	3403	3269	2966	2794	2794	2591	2569	2641	2886
16 Public Utility District	4626	4598	4409	4512	5241	5716	5664	5408	4856	4639	4639	4386	4443	4651	4876
17 Investor-Owned Utility	14899	14779	13377	12363	13506	14945	15255	14417	13465	12563	12563	12324	14229	15395	13890
18 Marketer	242	242	201	220	246	265	265	265	258	265	265	265	265	263	252
19 Direct-Service Industry	533	532	532	533	533	533	533	533	533	533	533	533	532	532	533
<b>20 Total Loads</b>	<b>25704</b>	<b>25518</b>	<b>23524</b>	<b>22508</b>	<b>25113</b>	<b>27541</b>	<b>27786</b>	<b>26457</b>	<b>24398</b>	<b>23224</b>	<b>23224</b>	<b>22632</b>	<b>24701</b>	<b>26420</b>	<b>24990</b>

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***Exhibit 22***  
***Table A-2: Regional Exports***

***Monthly Energy***  
***Operating Year 2017 to 2026***  
***Using 1937-Water Conditions***

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**Table A-2: Regional Exports**  
**Operating Year 2017**  
**2015 White Book** Report Date: 6/30/2015  
S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Canada</b>															
<b>Contracts</b>															
1 BPA-P to BCHP Trty CEA	465	470	468	468	468	468	468	468	468	486	449	468	468	468	468
2 BPA-P to BCHP NTSA Del	114	114	0	0	0	0	0	0	0	0	0	0	0	24.0	11.7
<b>3 Total Exports to CAN</b>	<b>579</b>	<b>584</b>	<b>468</b>	<b>468</b>	<b>468</b>	<b>468</b>	<b>468</b>	<b>468</b>	<b>468</b>	<b>486</b>	<b>449</b>	<b>468</b>	<b>468</b>	<b>492</b>	<b>479</b>
<b>East Continental Divide</b>															
<b>Contracts</b>															
4 AVWP to PPLM PwrS LTFirm	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80
5 BPA-P to Other Entities	8.10	8.11	5.83	6.16	6.96	8.72	8.41	8.22	6.83	5.83	5.79	5.86	6.38	0	6.43
<b>6 Total Exports to ECD</b>	<b>14.9</b>	<b>14.9</b>	<b>12.6</b>	<b>13.0</b>	<b>13.8</b>	<b>15.5</b>	<b>15.2</b>	<b>15.0</b>	<b>13.6</b>	<b>12.6</b>	<b>12.6</b>	<b>12.7</b>	<b>13.2</b>	<b>6.80</b>	<b>13.2</b>
<b>Inland Southwest</b>															
<b>Contracts</b>															
7 BPA-P to Other Entities	0	0	0	0	0	0	11.6	10.7	10.5	10.6	11.7	11.0	10.6	11.6	6.39
<b>Transfer Services</b>															
8 UAMP to UAMP TS PwrP	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	15.0
<b>9 Total Exports to ISW</b>	<b>11.0</b>	<b>17.1</b>	<b>15.6</b>	<b>17.6</b>	<b>12.9</b>	<b>11.0</b>	<b>20.2</b>	<b>19.0</b>	<b>26.1</b>	<b>30.6</b>	<b>27.3</b>	<b>27.5</b>	<b>33.1</b>	<b>30.0</b>	<b>21.3</b>
<b>Pacific Southwest</b>															
<b>Contracts</b>															
10 BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 BPA-P to Other Entities	39.0	38.5	28.1	23.3	18.2	14.2	14.1	12.2	19.2	30.8	34.0	33.5	37.8	39.2	26.0
13 BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
16 PSE to PG&E SNX Del	186	186	170	0	0	0	0	0	0	0	0	0	51.2	155	47.1
17 SCL to NCPA SNX Del	19.2	19.2	30.0	14.5	0	0	0	0	0	0	0	0	30.0	30.0	10.3
<b>Transfer Services</b>															
18 BURB to BURB TS PwrP	1.91	2.95	2.71	3.04	2.23	1.91	1.49	1.44	2.70	3.47	2.71	2.85	3.90	3.19	2.59
19 GLEN to GLEN TS PwrP	4.98	7.59	6.97	7.81	5.78	4.98	3.94	3.79	6.95	8.87	6.97	7.32	9.96	8.18	6.67
20 LDWP to LDWP TS PwrP	82.0	127	116	131	95.8	82.0	64.1	61.6	116	149	116	122	168	137	111
21 MID to MID TS PwrP	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
22 Other Entities to Other Entities	71.7	111	102	114	83.7	71.7	56.0	53.9	101	130	102	107	146	120	97.1
23 PG&E to PG&E TS PwrP	80.8	121	110	110	80.7	69.9	54.9	53.0	99.4	128	102	111	149	125	98.5
24 SCE to SCE TS PwrP	162	250	229	258	189	162	127	122	229	294	229	241	331	270	219
25 SMUD to SMUD TS PwrP	63.3	63.3	62.5	59.3	65.6	64.7	65.7	64.9	58.8	59.5	59.5	53.9	60.9	66.0	62.1
26 TID to TID TS PwrP	79.5	93.9	90.4	95.0	83.9	79.6	73.8	73.0	90.3	101	90.5	39.0	107	97.1	84.3
27 Intertie Losses	25	32	29	26	19	17	14	14	22	28	23	23	34	33	24
<b>28 Total Exports to PSW</b>	<b>841</b>	<b>1089</b>	<b>1012</b>	<b>880</b>	<b>667</b>	<b>587</b>	<b>490</b>	<b>474</b>	<b>772</b>	<b>967</b>	<b>800</b>	<b>776</b>	<b>1175</b>	<b>1123</b>	<b>819</b>
<b>Total Exports</b>															
29 Federal Entities	627	631	502	498	493	491	502	499	505	534	501	519	523	544	519
30 Investor Owned Utilities	459	601	550	413	305	263	207	199	369	472	372	394	587	597	404
31 Marketer	46.0	66.9	62.0	68.7	44.7	38.2	29.9	28.7	54.0	69.4	62.0	64.8	85.9	71.6	56.0
32 Municipality	290	375	365	373	299	273	240	234	330	393	332	284	460	407	331
<b>33 Total Exports</b>	<b>1423</b>	<b>1674</b>	<b>1479</b>	<b>1353</b>	<b>1142</b>	<b>1064</b>	<b>979</b>	<b>962</b>	<b>1258</b>	<b>1469</b>	<b>1267</b>	<b>1262</b>	<b>1656</b>	<b>1620</b>	<b>1310</b>

**Table A-2: Regional Exports**  
**Operating Year 2018**  
**2015 White Book** Report Date: 6/30/2015  
S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Canada</b>															
<b>Contracts</b>															
1 BPA-P to BCHP Trty CEA	467	472	469	469	469	469	469	469	469	451	488	469	469	469	469
2 BPA-P to BCHP NTSA Del	115	115	0	0	0	0	0	0	0	0	0	0	0	24.0	11.8
<b>3 Total Exports to CAN</b>	<b>582</b>	<b>586</b>	<b>469</b>	<b>469</b>	<b>469</b>	<b>469</b>	<b>469</b>	<b>469</b>	<b>469</b>	<b>451</b>	<b>488</b>	<b>469</b>	<b>469</b>	<b>493</b>	<b>481</b>
<b>East Continental Divide</b>															
<b>Contracts</b>															
4 AVWP to PPLM PwrS LTFirm	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80
5 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>6 Total Exports to ECD</b>	<b>6.80</b>	<b>6.80</b>	<b>6.80</b>	<b>6.80</b>	<b>6.80</b>	<b>6.80</b>	<b>6.80</b>	<b>6.80</b>	<b>6.80</b>	<b>6.80</b>	<b>6.80</b>	<b>6.80</b>	<b>6.80</b>	<b>6.80</b>	<b>6.80</b>
<b>Inland Southwest</b>															
<b>Contracts</b>															
7 BPA-P to Other Entities	10.6	10.4	11.1	11.0	11.1	11.6	0	0	0	0	0	0	0	0	4.64
<b>Transfer Services</b>															
8 UAMP to UAMP TS PwrP	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	15.0
<b>9 Total Exports to ISW</b>	<b>21.6</b>	<b>27.5</b>	<b>26.7</b>	<b>28.6</b>	<b>24.0</b>	<b>22.6</b>	<b>8.63</b>	<b>8.30</b>	<b>15.6</b>	<b>20.0</b>	<b>15.6</b>	<b>16.5</b>	<b>22.6</b>	<b>18.4</b>	<b>19.6</b>
<b>Pacific Southwest</b>															
<b>Contracts</b>															
10 BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 BPA-P to Other Entities	39.0	38.5	28.1	23.4	18.3	13.8	15.2	12.3	19.1	33.9	30.6	33.4	37.9	39.3	26.1
13 BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
16 PSE to PG&E SNX Del	186	186	170	0	0	0	0	0	0	0	0	0	51.2	155	47.1
17 SCL to NCPA SNX Del	19.2	19.2	30.0	14.5	0	0	0	0	0	0	0	0	0	0	5.33
<b>Transfer Services</b>															
18 BURB to BURB TS PwrP	1.91	2.95	2.71	3.04	2.23	1.91	1.49	1.44	2.70	3.47	2.71	2.85	3.90	3.19	2.59
19 GLEN to GLEN TS PwrP	4.98	7.59	6.97	7.81	5.78	4.98	3.94	3.79	6.95	8.87	6.97	7.32	9.96	8.18	6.67
20 LDWP to LDWP TS PwrP	82.0	127	116	131	95.8	82.0	64.1	61.6	116	149	116	122	168	137	111
21 MID to MID TS PwrP	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
22 Other Entities to Other Entities	71.7	111	102	114	83.7	71.7	56.0	53.9	101	130	102	107	146	120	97.1
23 PG&E to PG&E TS PwrP	80.8	121	110	110	80.7	69.9	54.9	53.0	99.4	128	102	111	149	125	98.5
24 SCE to SCE TS PwrP	162	250	229	258	189	162	127	122	229	294	229	241	331	270	219
25 SMUD to SMUD TS PwrP	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
26 TID to TID TS PwrP	79.5	93.9	90.4	95.0	83.9	79.6	73.8	73.0	90.3	101	90.5	39.0	107	97.1	84.3
27 Intertie Losses	24	31	29	25	19	17	14	13	22	28	23	22	33	31	23
<b>28 Total Exports to PSW</b>	<b>822</b>	<b>1070</b>	<b>993</b>	<b>861</b>	<b>648</b>	<b>570</b>	<b>474</b>	<b>457</b>	<b>753</b>	<b>951</b>	<b>778</b>	<b>757</b>	<b>1125</b>	<b>1073</b>	<b>795</b>
<b>Total Exports</b>															
29 Federal Entities	633	636	509	504	499	495	485	482	489	485	520	504	508	534	513
30 Investor Owned Utilities	459	601	550	413	305	263	207	199	369	472	372	394	587	597	404
31 Marketer	46.0	66.9	62.0	68.7	44.7	38.2	29.9	28.7	54.0	69.4	62.0	64.8	85.9	71.6	56.0
32 Municipality	272	356	346	355	281	257	224	218	312	375	313	266	412	359	308
<b>33 Total Exports</b>	<b>1410</b>	<b>1661</b>	<b>1468</b>	<b>1341</b>	<b>1130</b>	<b>1053</b>	<b>946</b>	<b>929</b>	<b>1224</b>	<b>1402</b>	<b>1267</b>	<b>1229</b>	<b>1592</b>	<b>1562</b>	<b>1281</b>

**Table A-2: Regional Exports**  
**Operating Year 2019**  
**2015 White Book** Report Date: 6/30/2015  
S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Canada</b>															
<b>Contracts</b>															
1 BPA-P to BCHP Trty CEA	462	466	464	464	464	464	464	464	464	464	464	464	464	464	464
2 BPA-P to BCHP NTSA Del	115	115	0	0	0	0	0	0	0	0	0	0	0	24.0	11.8
<b>3 Total Exports to CAN</b>	<b>577</b>	<b>581</b>	<b>464</b>	<b>464</b>	<b>464</b>	<b>464</b>	<b>464</b>	<b>464</b>	<b>464</b>	<b>464</b>	<b>464</b>	<b>464</b>	<b>464</b>	<b>488</b>	<b>476</b>
<b>East Continental Divide</b>															
<b>Contracts</b>															
4 AVWP to PPLM PwrS LTFirm	6.80	6.80	6.80	6.80	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.46
5 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>6 Total Exports to ECD</b>	<b>6.80</b>	<b>6.80</b>	<b>6.80</b>	<b>6.80</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>2.46</b>
<b>Inland Southwest</b>															
<b>Transfer Services</b>															
7 UAMP to UAMP TS PwrP	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	15.0
<b>8 Total Exports to ISW</b>	<b>11.0</b>	<b>17.1</b>	<b>15.6</b>	<b>17.6</b>	<b>12.9</b>	<b>11.0</b>	<b>8.63</b>	<b>8.30</b>	<b>15.6</b>	<b>20.0</b>	<b>15.6</b>	<b>16.5</b>	<b>22.6</b>	<b>18.4</b>	<b>15.0</b>
<b>Pacific Southwest</b>															
<b>Contracts</b>															
9 BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 BPA-P to Other Entities	39.1	38.6	29.4	22.1	18.4	14.0	13.6	11.6	0.28	0	0	0	0	0	12.4
12 BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
15 PSE to PG&E SNX Del	186	186	170	0	0	0	0	0	0	0	0	0	51.2	155	47.1
<b>Transfer Services</b>															
16 BURB to BURB TS PwrP	1.91	2.95	2.71	3.04	2.23	1.91	1.49	1.44	2.70	3.47	2.71	2.85	3.90	3.19	2.59
17 GLEN to GLEN TS PwrP	4.98	7.59	6.97	7.81	5.78	4.98	3.94	3.79	6.95	8.87	6.97	7.32	9.96	8.18	6.67
18 LDWP to LDWP TS PwrP	82.0	127	116	131	95.8	82.0	64.1	61.6	116	149	116	122	168	137	111
19 MID to MID TS PwrP	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
20 Other Entities to Other Entities	71.7	111	102	114	83.7	71.7	56.0	53.9	101	130	102	107	146	120	97.1
21 PG&E to PG&E TS PwrP	80.8	121	110	110	80.7	69.9	54.9	53.0	99.4	128	102	111	149	125	98.5
22 SCE to SCE TS PwrP	162	250	229	258	189	162	127	122	229	294	229	241	331	270	219
23 SMUD to SMUD TS PwrP	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
24 TID to TID TS PwrP	79.5	93.9	90.4	95.0	83.9	79.6	73.8	73.0	90.3	101	90.5	39.0	107	97.1	84.3
25 Intertie Losses	23	31	28	25	19	17	14	13	21	27	22	21	32	30	23
<b>26 Total Exports to PSW</b>	<b>803</b>	<b>1050</b>	<b>963</b>	<b>844</b>	<b>648</b>	<b>570</b>	<b>473</b>	<b>456</b>	<b>734</b>	<b>916</b>	<b>746</b>	<b>723</b>	<b>1086</b>	<b>1033</b>	<b>776</b>
<b>Total Exports</b>															
27 Federal Entities	617	621	494	487	483	479	478	476	464	464	464	464	464	488	489
28 Investor Owned Utilities	459	601	550	413	299	257	201	194	363	466	366	389	581	591	400
29 Marketer	46.0	66.9	62.0	68.7	44.7	38.2	29.9	28.7	54.0	69.4	62.0	64.8	85.9	71.6	56.0
30 Municipality	253	337	316	340	281	257	224	218	312	375	313	266	412	359	302
<b>31 Total Exports</b>	<b>1375</b>	<b>1626</b>	<b>1423</b>	<b>1309</b>	<b>1107</b>	<b>1030</b>	<b>933</b>	<b>917</b>	<b>1193</b>	<b>1375</b>	<b>1205</b>	<b>1183</b>	<b>1542</b>	<b>1510</b>	<b>1247</b>



**Table A-2: Regional Exports**

**Operating Year 2020**

**2015 White Book** Report Date: 6/30/2015

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Canada</b>															
<b>Contracts</b>															
1 BPA-P to BCHP Trty CEA	457	461	459	459	459	459	459	459	459	459	459	459	459	459	459
2 BPA-P to BCHP NTSA Del	115	115	0	0	0	0	0	0	0	0	0	0	0	24.0	11.8
<b>3 Total Exports to CAN</b>	<b>571</b>	<b>576</b>	<b>459</b>	<b>459</b>	<b>459</b>	<b>459</b>	<b>459</b>	<b>459</b>	<b>459</b>	<b>459</b>	<b>459</b>	<b>459</b>	<b>459</b>	<b>483</b>	<b>471</b>
<b>East Continental Divide</b>															
<b>Contracts</b>															
4 AVWP to PPLM PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>6 Total Exports to ECD</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>
<b>Inland Southwest</b>															
<b>Transfer Services</b>															
7 UAMP to UAMP TS PwrP	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	14.9
<b>8 Total Exports to ISW</b>	<b>11.0</b>	<b>17.1</b>	<b>15.6</b>	<b>17.6</b>	<b>12.9</b>	<b>11.0</b>	<b>8.63</b>	<b>8.30</b>	<b>15.6</b>	<b>20.0</b>	<b>15.6</b>	<b>16.5</b>	<b>22.6</b>	<b>18.4</b>	<b>14.9</b>
<b>Pacific Southwest</b>															
<b>Contracts</b>															
9 BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.25
15 PSE to PG&E SNX Del	186	186	170	0	0	0	0	0	0	0	0	0	51.2	155	47.0
<b>Transfer Services</b>															
16 BURB to BURB TS PwrP	1.91	2.95	2.71	3.04	2.23	1.91	1.49	1.44	2.70	3.47	2.71	2.85	3.90	3.19	2.58
17 GLEN to GLEN TS PwrP	4.98	7.59	6.97	7.81	5.78	4.98	3.94	3.79	6.95	8.87	6.97	7.32	9.96	8.18	6.67
18 LDWP to LDWP TS PwrP	82.0	127	116	131	95.8	82.0	64.1	61.6	116	149	116	122	168	137	111
19 MID to MID TS PwrP	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
20 Other Entities to Other Entities	71.7	111	102	114	83.7	71.7	56.0	53.9	101	130	102	107	146	120	97.0
21 PG&E to PG&E TS PwrP	80.8	121	110	110	80.7	69.9	54.9	53.0	99.4	128	102	111	149	125	98.4
22 SCE to SCE TS PwrP	162	250	229	258	189	162	127	122	229	294	229	241	331	270	219
23 SMUD to SMUD TS PwrP	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
24 TID to TID TS PwrP	79.5	93.9	90.4	95.0	83.9	79.6	73.8	73.0	90.3	101	90.5	39.0	107	97.1	84.3
25 Intertie Losses	22	29	27	24	18	16	13	13	21	27	22	21	32	30	22
<b>26 Total Exports to PSW</b>	<b>762</b>	<b>1011</b>	<b>933</b>	<b>822</b>	<b>629</b>	<b>556</b>	<b>459</b>	<b>444</b>	<b>734</b>	<b>916</b>	<b>746</b>	<b>723</b>	<b>1086</b>	<b>1033</b>	<b>762</b>
<b>Total Exports</b>															
27 Federal Entities	571	576	459	459	459	459	459	459	459	459	459	459	459	483	471
28 Investor Owned Utilities	453	595	544	407	299	257	201	194	363	466	366	389	581	591	398
29 Marketer	46.0	66.9	62.0	68.7	44.7	38.2	29.9	28.7	54.0	69.4	62.0	64.8	85.9	71.6	56.0
30 Municipality	253	337	316	340	281	257	224	218	312	375	313	266	412	359	302
<b>31 Total Exports</b>	<b>1324</b>	<b>1575</b>	<b>1382</b>	<b>1275</b>	<b>1083</b>	<b>1011</b>	<b>914</b>	<b>900</b>	<b>1188</b>	<b>1370</b>	<b>1200</b>	<b>1178</b>	<b>1537</b>	<b>1505</b>	<b>1227</b>

**Table A-2: Regional Exports**

**Operating Year 2021**

**2015 White Book** Report Date: 6/30/2015

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Canada</b>															
<b>Contracts</b>															
1 BPA-P to BCHP Trty CEA	469	440	454	454	454	454	454	454	454	454	454	454	454	454	454
2 BPA-P to BCHP NTSA Del	115	115	0	0	0	0	0	0	0	0	0	0	0	24.0	11.8
<b>3 Total Exports to CAN</b>	<b>584</b>	<b>555</b>	<b>454</b>	<b>454</b>	<b>454</b>	<b>454</b>	<b>454</b>	<b>454</b>	<b>454</b>	<b>454</b>	<b>454</b>	<b>454</b>	<b>454</b>	<b>478</b>	<b>466</b>
<b>East Continental Divide</b>															
<b>Contracts</b>															
4 AVWP to PPLM PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>6 Total Exports to ECD</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>
<b>Inland Southwest</b>															
<b>Transfer Services</b>															
7 UAMP to UAMP TS PwrP	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	15.0
<b>8 Total Exports to ISW</b>	<b>11.0</b>	<b>17.1</b>	<b>15.6</b>	<b>17.6</b>	<b>12.9</b>	<b>11.0</b>	<b>8.63</b>	<b>8.30</b>	<b>15.6</b>	<b>20.0</b>	<b>15.6</b>	<b>16.5</b>	<b>22.6</b>	<b>18.4</b>	<b>15.0</b>
<b>Pacific Southwest</b>															
<b>Contracts</b>															
9 BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
15 PSE to PG&E SNX Del	186	186	170	0	0	0	0	0	0	0	0	0	51.2	155	47.1
<b>Transfer Services</b>															
16 BURB to BURB TS PwrP	1.91	2.95	2.71	3.04	2.23	1.91	1.49	1.44	2.70	3.47	2.71	2.85	3.90	3.19	2.59
17 GLEN to GLEN TS PwrP	4.98	7.59	6.97	7.81	5.78	4.98	3.94	3.79	6.95	8.87	6.97	7.32	9.96	8.18	6.67
18 LDWP to LDWP TS PwrP	82.0	127	116	131	95.8	82.0	64.1	61.6	116	149	116	122	168	137	111
19 MID to MID TS PwrP	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
20 Other Entities to Other Entities	71.7	111	102	114	83.7	71.7	56.0	53.9	101	130	102	107	146	120	97.1
21 PG&E to PG&E TS PwrP	80.8	121	110	110	80.7	69.9	54.9	53.0	99.4	128	102	111	149	125	98.5
22 SCE to SCE TS PwrP	162	250	229	258	189	162	127	122	229	294	229	241	331	270	219
23 SMUD to SMUD TS PwrP	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
24 TID to TID TS PwrP	79.5	93.9	90.4	95.0	83.9	79.6	73.8	73.0	90.3	101	90.5	39.0	107	97.1	84.3
25 Intertie Losses	22	29	27	24	18	16	13	13	21	27	22	21	32	30	22
<b>26 Total Exports to PSW</b>	<b>762</b>	<b>1011</b>	<b>933</b>	<b>822</b>	<b>629</b>	<b>556</b>	<b>459</b>	<b>444</b>	<b>734</b>	<b>916</b>	<b>746</b>	<b>723</b>	<b>1086</b>	<b>1033</b>	<b>763</b>
<b>Total Exports</b>															
27 Federal Entities	584	555	454	454	454	454	454	454	454	454	454	454	454	478	466
28 Investor Owned Utilities	453	595	544	407	299	257	201	194	363	466	366	389	581	591	398
29 Marketer	46.0	66.9	62.0	68.7	44.7	38.2	29.9	28.7	54.0	69.4	62.0	64.8	85.9	71.6	56.0
30 Municipality	253	337	316	340	281	257	224	218	312	375	313	266	412	359	302
<b>31 Total Exports</b>	<b>1336</b>	<b>1554</b>	<b>1377</b>	<b>1270</b>	<b>1078</b>	<b>1006</b>	<b>909</b>	<b>895</b>	<b>1183</b>	<b>1364</b>	<b>1195</b>	<b>1173</b>	<b>1532</b>	<b>1500</b>	<b>1223</b>

**Table A-2: Regional Exports**  
**Operating Year 2022**  
**2015 White Book** Report Date: 6/30/2015  
S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Canada</b>															
<b>Contracts</b>															
1 BPA-P to BCHP Trty CEA	429	469	449	449	449	449	449	449	449	449	449	449	449	449	449
2 BPA-P to BCHP NTSA Del	115	115	0	0	0	0	0	0	0	0	0	0	0	24.0	11.8
<b>3 Total Exports to CAN</b>	<b>543</b>	<b>584</b>	<b>449</b>	<b>449</b>	<b>449</b>	<b>449</b>	<b>449</b>	<b>449</b>	<b>449</b>	<b>449</b>	<b>449</b>	<b>449</b>	<b>449</b>	<b>473</b>	<b>461</b>
<b>East Continental Divide</b>															
<b>Contracts</b>															
4 AVWP to PPLM PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>6 Total Exports to ECD</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>
<b>Inland Southwest</b>															
<b>Transfer Services</b>															
7 UAMP to UAMP TS PwrP	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	15.0
<b>8 Total Exports to ISW</b>	<b>11.0</b>	<b>17.1</b>	<b>15.6</b>	<b>17.6</b>	<b>12.9</b>	<b>11.0</b>	<b>8.63</b>	<b>8.30</b>	<b>15.6</b>	<b>20.0</b>	<b>15.6</b>	<b>16.5</b>	<b>22.6</b>	<b>18.4</b>	<b>15.0</b>
<b>Pacific Southwest</b>															
<b>Contracts</b>															
9 BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
15 PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transfer Services</b>															
16 BURB to BURB TS PwrP	1.91	2.95	2.71	3.04	2.23	1.91	1.49	1.44	2.70	3.47	2.71	2.85	3.90	3.19	2.59
17 GLEN to GLEN TS PwrP	4.98	7.59	6.97	7.81	5.78	4.98	3.94	3.79	6.95	8.87	6.97	7.32	9.96	8.18	6.67
18 LDWP to LDWP TS PwrP	82.0	127	116	131	95.8	82.0	64.1	61.6	116	149	116	122	168	137	111
19 MID to MID TS PwrP	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
20 Other Entities to Other Entities	71.7	111	102	114	83.7	71.7	56.0	53.9	101	130	102	107	146	120	97.1
21 PG&E to PG&E TS PwrP	80.8	121	110	110	80.7	69.9	54.9	53.0	99.4	128	102	111	149	125	98.5
22 SCE to SCE TS PwrP	162	250	229	258	189	162	127	122	229	294	229	241	331	270	219
23 TID to TID TS PwrP	79.5	93.9	90.4	95.0	83.9	79.6	73.8	73.0	90.3	101	90.5	39.0	107	97.1	84.3
24 Intertie Losses	15	23	21	23	17	15	12	11	20	25	21	20	29	24	19
<b>25 Total Exports to PSW</b>	<b>525</b>	<b>773</b>	<b>713</b>	<b>780</b>	<b>580</b>	<b>506</b>	<b>408</b>	<b>394</b>	<b>692</b>	<b>874</b>	<b>704</b>	<b>686</b>	<b>990</b>	<b>824</b>	<b>669</b>
<b>Total Exports</b>															
26 Federal Entities	543	584	449	449	449	449	449	449	449	449	449	449	449	473	461
27 Investor Owned Utilities	268	409	374	407	299	257	201	194	363	466	366	389	530	436	351
28 Marketer	46.0	66.9	62.0	68.7	44.7	38.2	29.9	28.7	54.0	69.4	62.0	64.8	85.9	71.6	56.0
29 Municipality	208	292	272	299	234	208	174	170	272	334	272	230	369	311	258
<b>30 Total Exports</b>	<b>1065</b>	<b>1352</b>	<b>1158</b>	<b>1225</b>	<b>1027</b>	<b>952</b>	<b>855</b>	<b>841</b>	<b>1138</b>	<b>1319</b>	<b>1150</b>	<b>1133</b>	<b>1434</b>	<b>1292</b>	<b>1126</b>

**Table A-2: Regional Exports**  
**Operating Year 2023**  
**2015 White Book** Report Date: 6/30/2015  
S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Canada</b>															
<b>Contracts</b>															
1 BPA-P to BCHP Trty CEA	442	447	445	445	445	445	445	445	445	462	427	445	445	445	445
2 BPA-P to BCHP NTSA Del	115	115	0	0	0	0	0	0	0	0	0	0	0	24.0	11.8
<b>3 Total Exports to CAN</b>	<b>557</b>	<b>561</b>	<b>445</b>	<b>445</b>	<b>445</b>	<b>445</b>	<b>445</b>	<b>445</b>	<b>445</b>	<b>462</b>	<b>427</b>	<b>445</b>	<b>445</b>	<b>469</b>	<b>456</b>
<b>East Continental Divide</b>															
<b>Contracts</b>															
4 AVWP to PPLM PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>6 Total Exports to ECD</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>
<b>Inland Southwest</b>															
<b>Transfer Services</b>															
7 UAMP to UAMP TS PwrP	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	15.0
<b>8 Total Exports to ISW</b>	<b>11.0</b>	<b>17.1</b>	<b>15.6</b>	<b>17.6</b>	<b>12.9</b>	<b>11.0</b>	<b>8.63</b>	<b>8.30</b>	<b>15.6</b>	<b>20.0</b>	<b>15.6</b>	<b>16.5</b>	<b>22.6</b>	<b>18.4</b>	<b>15.0</b>
<b>Pacific Southwest</b>															
<b>Contracts</b>															
9 BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
15 PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transfer Services</b>															
16 BURB to BURB TS PwrP	1.91	2.95	2.71	3.04	2.23	1.91	1.49	1.44	2.70	3.47	2.71	2.85	3.90	3.19	2.59
17 GLEN to GLEN TS PwrP	4.98	7.59	6.97	7.81	5.78	4.98	3.94	3.79	6.95	8.87	6.97	7.32	9.96	8.18	6.67
18 LDWP to LDWP TS PwrP	82.0	127	116	131	95.8	82.0	64.1	61.6	116	149	116	122	168	137	111
19 MID to MID TS PwrP	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
20 Other Entities to Other Entities	71.7	111	102	114	83.7	71.7	56.0	53.9	101	130	102	107	146	120	97.1
21 PG&E to PG&E TS PwrP	80.8	121	110	110	80.7	37.0	28.9	27.8	52.2	67.1	52.4	55.1	75.5	61.7	66.9
22 SCE to SCE TS PwrP	162	250	229	258	189	162	127	122	229	294	229	241	331	270	219
23 TID to TID TS PwrP	79.5	93.9	90.4	95.0	83.9	79.6	73.8	73.0	90.3	101	90.5	39.0	107	97.1	84.3
24 Intertie Losses	15	23	21	23	17	14	11	11	19	24	19	18	27	22	19
<b>25 Total Exports to PSW</b>	<b>525</b>	<b>773</b>	<b>713</b>	<b>780</b>	<b>580</b>	<b>472</b>	<b>381</b>	<b>368</b>	<b>643</b>	<b>811</b>	<b>653</b>	<b>629</b>	<b>914</b>	<b>759</b>	<b>636</b>
<b>Total Exports</b>															
26 Federal Entities	557	561	445	445	445	445	445	445	445	462	427	445	445	469	456
27 Investor Owned Utilities	268	409	374	407	299	224	175	168	316	405	317	333	456	373	320
28 Marketer	46.0	66.9	62.0	68.7	44.7	38.2	29.9	28.7	54.0	69.4	62.0	64.8	85.9	71.6	56.0
29 Municipality	208	292	272	299	234	208	174	170	272	334	272	230	369	311	258
<b>30 Total Exports</b>	<b>1079</b>	<b>1330</b>	<b>1153</b>	<b>1220</b>	<b>1022</b>	<b>915</b>	<b>824</b>	<b>811</b>	<b>1086</b>	<b>1271</b>	<b>1078</b>	<b>1073</b>	<b>1356</b>	<b>1225</b>	<b>1090</b>

**Table A-2: Regional Exports**  
**Operating Year 2024**  
**2015 White Book** Report Date: 6/30/2015  
S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Canada</b>															
<b>Contracts</b>															
1 BPA-P to BCHP Trty CEA	438	443	440	440	440	440	440	440	440	440	440	440	440	440	440
2 BPA-P to BCHP NTSA Del	115	115	0	0	0	0	0	0	0	0	0	0	0	24.0	11.8
<b>3 Total Exports to CAN</b>	<b>553</b>	<b>557</b>	<b>440</b>	<b>440</b>	<b>440</b>	<b>440</b>	<b>440</b>	<b>440</b>	<b>440</b>	<b>440</b>	<b>440</b>	<b>440</b>	<b>440</b>	<b>464</b>	<b>452</b>
<b>East Continental Divide</b>															
<b>Contracts</b>															
4 AVWP to PPLM PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>6 Total Exports to ECD</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>
<b>Inland Southwest</b>															
<b>Transfer Services</b>															
7 UAMP to UAMP TS PwrP	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	14.9
<b>8 Total Exports to ISW</b>	<b>11.0</b>	<b>17.1</b>	<b>15.6</b>	<b>17.6</b>	<b>12.9</b>	<b>11.0</b>	<b>8.63</b>	<b>8.30</b>	<b>15.6</b>	<b>20.0</b>	<b>15.6</b>	<b>16.5</b>	<b>22.6</b>	<b>18.4</b>	<b>14.9</b>
<b>Pacific Southwest</b>															
<b>Contracts</b>															
9 BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.25
15 PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transfer Services</b>															
16 BURB to BURB TS PwrP	1.91	2.95	2.71	3.04	2.23	1.91	1.49	1.44	2.70	3.47	2.71	2.85	3.90	3.19	2.58
17 GLEN to GLEN TS PwrP	4.98	7.59	6.97	7.81	5.78	4.98	3.94	3.79	6.95	8.87	6.97	7.32	9.96	8.18	6.67
18 LDWP to LDWP TS PwrP	82.0	127	96.6	109	79.7	68.2	53.3	51.3	96.4	124	96.6	102	139	114	93.8
19 MID to MID TS PwrP	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
20 Other Entities to Other Entities	71.7	111	102	114	83.7	71.7	56.0	53.9	101	130	102	107	146	120	97.0
21 PG&E to PG&E TS PwrP	37.0	57.2	52.4	58.9	43.2	37.0	28.9	27.8	52.2	67.1	52.4	55.1	75.5	61.7	50.0
22 SCE to SCE TS PwrP	162	250	229	258	189	162	127	122	229	294	229	241	331	270	219
23 TID to TID TS PwrP	79.5	93.9	90.4	95.0	83.9	79.6	73.8	73.0	90.3	101	90.5	39.0	107	97.1	84.3
24 Intertie Losses	14	21	18	20	15	13	11	10	18	23	18	18	26	21	17
<b>25 Total Exports to PSW</b>	<b>480</b>	<b>707</b>	<b>633</b>	<b>704</b>	<b>525</b>	<b>458</b>	<b>370</b>	<b>357</b>	<b>623</b>	<b>785</b>	<b>633</b>	<b>608</b>	<b>885</b>	<b>735</b>	<b>601</b>
<b>Total Exports</b>															
26 Federal Entities	553	557	440	440	440	440	440	440	440	440	440	440	440	464	452
27 Investor Owned Utilities	224	346	317	356	261	224	175	168	316	405	317	333	456	373	302
28 Marketer	46.0	66.9	62.0	68.7	44.7	38.2	29.9	28.7	54.0	69.4	62.0	64.8	85.9	71.6	56.0
29 Municipality	208	292	253	277	218	194	164	159	252	309	253	210	341	288	241
<b>30 Total Exports</b>	<b>1031</b>	<b>1262</b>	<b>1072</b>	<b>1142</b>	<b>964</b>	<b>897</b>	<b>809</b>	<b>797</b>	<b>1062</b>	<b>1224</b>	<b>1072</b>	<b>1048</b>	<b>1323</b>	<b>1197</b>	<b>1051</b>

**Table A-2: Regional Exports**

**Operating Year 2025**

**2015 White Book** Report Date: 6/30/2015

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Canada</b>															
<b>Contracts</b>															
1 BPA-P to BCHP Trty CEA	435	439	437	437	437	437	437	437	437	437	437	437	437	437	437
2 BPA-P to BCHP NTSA Del	115	115	0	0	0	0	0	0	0	0	0	0	0	24.0	11.8
<b>3 Total Exports to CAN</b>	<b>549</b>	<b>554</b>	<b>437</b>	<b>437</b>	<b>437</b>	<b>437</b>	<b>437</b>	<b>437</b>	<b>437</b>	<b>437</b>	<b>437</b>	<b>437</b>	<b>437</b>	<b>461</b>	<b>449</b>
<b>East Continental Divide</b>															
<b>Contracts</b>															
4 AVWP to PPLM PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>6 Total Exports to ECD</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>
<b>Inland Southwest</b>															
<b>Transfer Services</b>															
7 UAMP to UAMP TS PwrP	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	15.0
<b>8 Total Exports to ISW</b>	<b>11.0</b>	<b>17.1</b>	<b>15.6</b>	<b>17.6</b>	<b>12.9</b>	<b>11.0</b>	<b>8.63</b>	<b>8.30</b>	<b>15.6</b>	<b>20.0</b>	<b>15.6</b>	<b>16.5</b>	<b>22.6</b>	<b>18.4</b>	<b>15.0</b>
<b>Pacific Southwest</b>															
<b>Contracts</b>															
9 BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
15 PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transfer Services</b>															
16 BURB to BURB TS PwrP	1.91	2.95	2.71	3.04	2.23	1.91	1.49	1.44	2.70	3.47	2.71	2.85	3.90	3.19	2.59
17 GLEN to GLEN TS PwrP	4.98	7.59	6.97	7.81	5.78	4.98	3.94	3.79	6.95	8.87	6.97	7.32	9.96	8.18	6.67
18 LDWP to LDWP TS PwrP	68.2	105	96.6	109	79.7	68.2	53.3	51.3	96.4	124	96.6	102	139	114	92.4
19 MID to MID TS PwrP	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
20 Other Entities to Other Entities	71.7	111	102	114	83.7	71.7	56.0	53.9	101	130	102	107	146	120	97.1
21 PG&E to PG&E TS PwrP	37.0	57.2	52.4	58.9	43.2	37.0	28.9	27.8	52.2	67.1	52.4	55.1	75.5	61.7	50.1
22 SCE to SCE TS PwrP	162	250	229	258	189	162	127	122	229	294	229	241	331	270	219
23 TID to TID TS PwrP	79.5	93.9	90.4	95.0	83.9	79.6	73.8	73.0	90.3	101	90.5	39.0	107	97.1	84.3
24 Intertie Losses	14	20	18	20	15	13	11	10	18	23	18	18	26	21	17
<b>25 Total Exports to PSW</b>	<b>465</b>	<b>685</b>	<b>633</b>	<b>704</b>	<b>525</b>	<b>458</b>	<b>370</b>	<b>357</b>	<b>623</b>	<b>785</b>	<b>633</b>	<b>608</b>	<b>885</b>	<b>735</b>	<b>600</b>
<b>Total Exports</b>															
26 Federal Entities	549	554	437	437	437	437	437	437	437	437	437	437	437	461	449
27 Investor Owned Utilities	224	346	317	356	261	224	175	168	316	405	317	333	456	373	303
28 Marketer	46.0	66.9	62.0	68.7	44.7	38.2	29.9	28.7	54.0	69.4	62.0	64.8	85.9	71.6	56.0
29 Municipality	194	271	253	277	218	194	164	159	252	309	253	210	341	288	240
<b>30 Total Exports</b>	<b>1013</b>	<b>1237</b>	<b>1068</b>	<b>1139</b>	<b>960</b>	<b>893</b>	<b>805</b>	<b>793</b>	<b>1059</b>	<b>1220</b>	<b>1068</b>	<b>1044</b>	<b>1320</b>	<b>1194</b>	<b>1047</b>

**Table A-2: Regional Exports**  
**Operating Year 2026**  
**2015 White Book** Report Date: 6/30/2015  
S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Canada</b>															
<b>Contracts</b>															
1 BPA-P to BCHP Trty CEA	448	420	433	433	433	433	433	433	433	433	433	433	433	433	433
2 BPA-P to BCHP NTSA Del	115	115	0	0	0	0	0	0	0	0	0	0	0	24.0	11.8
<b>3 Total Exports to CAN</b>	<b>562</b>	<b>534</b>	<b>433</b>	<b>433</b>	<b>433</b>	<b>433</b>	<b>433</b>	<b>433</b>	<b>433</b>	<b>433</b>	<b>433</b>	<b>433</b>	<b>433</b>	<b>457</b>	<b>445</b>
<b>East Continental Divide</b>															
<b>Contracts</b>															
4 AVWP to PPLM PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>6 Total Exports to ECD</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>
<b>Inland Southwest</b>															
<b>Transfer Services</b>															
7 UAMP to UAMP TS PwrP	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	15.0
<b>8 Total Exports to ISW</b>	<b>11.0</b>	<b>17.1</b>	<b>15.6</b>	<b>17.6</b>	<b>12.9</b>	<b>11.0</b>	<b>8.63</b>	<b>8.30</b>	<b>15.6</b>	<b>20.0</b>	<b>15.6</b>	<b>16.5</b>	<b>22.6</b>	<b>18.4</b>	<b>15.0</b>
<b>Pacific Southwest</b>															
<b>Contracts</b>															
9 BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
15 PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transfer Services</b>															
16 BURB to BURB TS PwrP	1.91	2.95	2.71	3.04	2.23	1.91	1.49	1.44	2.70	3.47	2.71	2.85	3.90	3.19	2.59
17 GLEN to GLEN TS PwrP	4.98	7.59	6.97	7.81	5.78	4.98	3.94	3.79	6.95	8.87	6.97	7.32	9.96	8.18	6.67
18 LDWP to LDWP TS PwrP	68.2	105	96.6	109	79.7	68.2	53.3	51.3	96.4	124	96.6	102	139	114	92.4
19 MID to MID TS PwrP	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
20 Other Entities to Other Entities	71.7	111	102	114	83.7	71.7	56.0	53.9	101	130	102	107	146	120	97.1
21 PG&E to PG&E TS PwrP	37.0	57.2	52.4	58.9	43.2	37.0	28.9	27.8	52.2	67.1	52.4	55.1	75.5	61.7	50.1
22 SCE to SCE TS PwrP	162	250	229	258	189	162	127	122	229	294	229	241	331	270	219
23 TID to TID TS PwrP	79.5	93.9	90.4	95.0	83.9	79.6	73.8	73.0	90.3	101	90.5	39.0	107	97.1	84.3
24 Intertie Losses	14	20	18	20	15	13	11	10	18	23	18	18	26	21	17
<b>25 Total Exports to PSW</b>	<b>465</b>	<b>685</b>	<b>633</b>	<b>704</b>	<b>525</b>	<b>458</b>	<b>370</b>	<b>357</b>	<b>623</b>	<b>785</b>	<b>633</b>	<b>608</b>	<b>885</b>	<b>735</b>	<b>600</b>
<b>Total Exports</b>															
26 Federal Entities	562	534	433	433	433	433	433	433	433	433	433	433	433	457	445
27 Investor Owned Utilities	224	346	317	356	261	224	175	168	316	405	317	333	456	373	303
28 Marketer	46.0	66.9	62.0	68.7	44.7	38.2	29.9	28.7	54.0	69.4	62.0	64.8	85.9	71.6	56.0
29 Municipality	194	271	253	277	218	194	164	159	252	309	253	210	341	288	240
<b>30 Total Exports</b>	<b>1026</b>	<b>1218</b>	<b>1064</b>	<b>1135</b>	<b>957</b>	<b>889</b>	<b>802</b>	<b>790</b>	<b>1055</b>	<b>1216</b>	<b>1064</b>	<b>1041</b>	<b>1316</b>	<b>1190</b>	<b>1043</b>

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***Exhibit 23***  
***Table A-3: Regional Imports***

***Monthly Energy***  
***Operating Year 2017 to 2026***  
***Using 1937-Water Conditions***

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**Table A-3: Regional: Imports**  
**Operating Year 2017**  
**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Canada</b>															
<b>Contracts</b>															
1 BCHP to SCL PwrS LTFirm	23.0	23.0	13.2	14.3	33.6	48.8	62.1	68.8	61.1	27.4	27.4	24.6	33.9	18.5	35.6
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
<b>4 Total Imports From CAN</b>	<b>25.8</b>	<b>25.8</b>	<b>16.0</b>	<b>17.3</b>	<b>37.5</b>	<b>53.1</b>	<b>66.4</b>	<b>72.6</b>	<b>64.8</b>	<b>30.6</b>	<b>30.6</b>	<b>27.5</b>	<b>36.5</b>	<b>21.5</b>	<b>38.9</b>
<b>Inland Southwest</b>															
<b>Transfer Services</b>															
5 RMP to RMP TS PwrP	520	519	473	439	433	467	439	453	426	406	406	453	574	633	476
<b>6 Total Imports From ISW</b>	<b>520</b>	<b>519</b>	<b>473</b>	<b>439</b>	<b>433</b>	<b>467</b>	<b>439</b>	<b>453</b>	<b>426</b>	<b>406</b>	<b>406</b>	<b>453</b>	<b>574</b>	<b>633</b>	<b>476</b>
<b>Pacific Southwest</b>															
<b>Contracts</b>															
7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Other Entities to Other Entities	64.4	64.6	63.9	114	114	114	113	114	115	64.4	63.3	64.0	64.4	63.4	88.9
14 PG&E to PSE SNX Ret	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
15 NCPA to SCL SNX Ret	0	0	0	0	23.7	30.0	30.0	30.0	30.0	6.20	6.20	0	0	0	12.4
<b>16 Total Imports From PSW</b>	<b>64.4</b>	<b>64.6</b>	<b>63.9</b>	<b>114</b>	<b>318</b>	<b>379</b>	<b>231</b>	<b>208</b>	<b>145</b>	<b>70.6</b>	<b>69.5</b>	<b>64.0</b>	<b>64.4</b>	<b>63.4</b>	<b>148</b>
<b>Total Imports</b>															
17 Federal Entities	65.4	65.6	64.9	115	115	115	114	115	116	65.4	64.3	65.0	65.4	64.4	89.9
18 Investor Owned Utilities	521	521	474	441	616	705	529	519	429	408	408	455	575	635	526
19 Municipality	23.0	23.0	13.2	14.3	57.3	78.8	92.1	98.8	91.1	33.6	33.6	24.6	33.9	18.5	48.0
<b>20 Total Imports</b>	<b>610</b>	<b>610</b>	<b>552</b>	<b>570</b>	<b>789</b>	<b>899</b>	<b>736</b>	<b>733</b>	<b>636</b>	<b>508</b>	<b>506</b>	<b>545</b>	<b>675</b>	<b>718</b>	<b>664</b>

**Table A-3: Regional: Imports**

**Operating Year 2018**

**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Canada</b>															
<b>Contracts</b>															
1 BCHP to SCL PwrS LTFirm	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.4
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
<b>4 Total Imports From CAN</b>	<b>20.8</b>	<b>20.8</b>	<b>15.8</b>	<b>22.0</b>	<b>38.9</b>	<b>49.3</b>	<b>62.3</b>	<b>70.8</b>	<b>62.7</b>	<b>30.2</b>	<b>30.2</b>	<b>28.9</b>	<b>38.6</b>	<b>27.0</b>	<b>38.8</b>
<b>Inland Southwest</b>															
<b>Transfer Services</b>															
5 RMP to RMP TS PwrP	525	525	476	442	435	469	441	455	429	408	409	456	580	640	480
<b>6 Total Imports From ISW</b>	<b>525</b>	<b>525</b>	<b>476</b>	<b>442</b>	<b>435</b>	<b>469</b>	<b>441</b>	<b>455</b>	<b>429</b>	<b>408</b>	<b>409</b>	<b>456</b>	<b>580</b>	<b>640</b>	<b>480</b>
<b>Pacific Southwest</b>															
<b>Contracts</b>															
7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Other Entities to Other Entities	64.4	64.6	63.9	114	114	113	114	114	115	63.3	64.4	64.0	64.4	63.4	88.9
14 PG&E to PSE SNX Ret	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
15 NCPA to SCL SNX Ret	0	0	0	0	23.7	30.0	30.0	30.0	30.0	6.20	6.20	0	0	0	12.4
<b>16 Total Imports From PSW</b>	<b>64.4</b>	<b>64.6</b>	<b>63.9</b>	<b>114</b>	<b>318</b>	<b>378</b>	<b>231</b>	<b>208</b>	<b>145</b>	<b>69.5</b>	<b>70.6</b>	<b>64.0</b>	<b>64.4</b>	<b>63.4</b>	<b>148</b>
<b>Total Imports</b>															
17 Federal Entities	65.4	65.6	64.9	115	115	114	115	115	116	64.3	65.4	65.0	65.4	64.4	89.9
18 Investor Owned Utilities	527	527	478	444	619	708	532	522	431	411	411	458	581	642	529
19 Municipality	18.0	18.0	13.0	19.0	58.7	75.0	88.0	97.0	89.0	33.2	33.2	26.0	36.0	24.0	47.8
<b>20 Total Imports</b>	<b>610</b>	<b>610</b>	<b>555</b>	<b>578</b>	<b>792</b>	<b>897</b>	<b>735</b>	<b>734</b>	<b>636</b>	<b>508</b>	<b>510</b>	<b>549</b>	<b>683</b>	<b>730</b>	<b>667</b>

**Table A-3: Regional: Imports**

**Operating Year 2019**

**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Canada</b>															
<b>Contracts</b>															
1 BCHP to SCL PwrS LTFirm	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.4
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
<b>4 Total Imports From CAN</b>	<b>20.8</b>	<b>20.8</b>	<b>15.8</b>	<b>22.0</b>	<b>38.9</b>	<b>49.3</b>	<b>62.3</b>	<b>70.8</b>	<b>62.7</b>	<b>30.2</b>	<b>30.2</b>	<b>28.9</b>	<b>38.6</b>	<b>27.0</b>	<b>38.8</b>
<b>Inland Southwest</b>															
<b>Transfer Services</b>															
5 RMP to RMP TS PwrP	531	531	479	445	438	472	444	458	432	411	411	459	586	647	484
<b>6 Total Imports From ISW</b>	<b>531</b>	<b>531</b>	<b>479</b>	<b>445</b>	<b>438</b>	<b>472</b>	<b>444</b>	<b>458</b>	<b>432</b>	<b>411</b>	<b>411</b>	<b>459</b>	<b>586</b>	<b>647</b>	<b>484</b>
<b>Pacific Southwest</b>															
<b>Contracts</b>															
7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Other Entities to Other Entities	64.4	64.6	63.3	115	114	113	114	114	114	64.4	64.4	64.0	63.9	64.0	88.9
14 PG&E to PSE SNX Ret	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
<b>15 Total Imports From PSW</b>	<b>64.4</b>	<b>64.6</b>	<b>63.3</b>	<b>115</b>	<b>295</b>	<b>348</b>	<b>201</b>	<b>178</b>	<b>114</b>	<b>64.4</b>	<b>64.4</b>	<b>64.0</b>	<b>63.9</b>	<b>64.0</b>	<b>136</b>
<b>Total Imports</b>															
16 Federal Entities	65.4	65.6	64.3	116	115	114	115	115	115	65.4	65.4	65.0	64.9	65.0	89.9
17 Investor Owned Utilities	533	532	480	447	621	710	534	524	434	413	413	461	588	649	533
18 Municipality	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.4
<b>19 Total Imports</b>	<b>616</b>	<b>616</b>	<b>558</b>	<b>581</b>	<b>771</b>	<b>870</b>	<b>707</b>	<b>706</b>	<b>608</b>	<b>506</b>	<b>506</b>	<b>552</b>	<b>689</b>	<b>738</b>	<b>658</b>

**Table A-3: Regional: Imports**

**Operating Year 2020**

**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Canada</b>															
<b>Contracts</b>															
1 BCHP to SCL PwrS LTFirm	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.5
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
<b>4 Total Imports From CAN</b>	<b>20.8</b>	<b>20.8</b>	<b>15.8</b>	<b>22.0</b>	<b>38.9</b>	<b>49.3</b>	<b>62.3</b>	<b>70.8</b>	<b>62.7</b>	<b>30.2</b>	<b>30.2</b>	<b>28.9</b>	<b>38.6</b>	<b>27.0</b>	<b>38.8</b>
<b>Inland Southwest</b>															
<b>Transfer Services</b>															
5 RMP to RMP TS PwrP	536	536	482	448	440	474	446	461	434	414	414	462	592	654	487
<b>6 Total Imports From ISW</b>	<b>536</b>	<b>536</b>	<b>482</b>	<b>448</b>	<b>440</b>	<b>474</b>	<b>446</b>	<b>461</b>	<b>434</b>	<b>414</b>	<b>414</b>	<b>462</b>	<b>592</b>	<b>654</b>	<b>487</b>
<b>Pacific Southwest</b>															
<b>Contracts</b>															
7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Other Entities to Other Entities	64.4	64.6	63.3	115	114	113	114	114	114	64.4	64.4	63.4	64.4	64.0	89.0
14 PG&E to PSE SNX Ret	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
<b>15 Total Imports From PSW</b>	<b>64.4</b>	<b>64.6</b>	<b>63.3</b>	<b>115</b>	<b>295</b>	<b>348</b>	<b>201</b>	<b>178</b>	<b>114</b>	<b>64.4</b>	<b>64.4</b>	<b>63.4</b>	<b>64.4</b>	<b>64.0</b>	<b>136</b>
<b>Total Imports</b>															
16 Federal Entities	65.4	65.6	64.3	116	115	114	115	115	115	65.4	65.4	64.4	65.4	65.0	90.0
17 Investor Owned Utilities	538	538	483	450	623	713	537	527	437	416	416	464	594	656	537
18 Municipality	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.5
<b>19 Total Imports</b>	<b>622</b>	<b>622</b>	<b>561</b>	<b>584</b>	<b>773</b>	<b>872</b>	<b>710</b>	<b>709</b>	<b>611</b>	<b>508</b>	<b>508</b>	<b>554</b>	<b>696</b>	<b>745</b>	<b>662</b>

**Table A-3: Regional: Imports**

**Operating Year 2021**

**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Canada</b>															
<b>Contracts</b>															
1 BCHP to SCL PwrS LTFirm	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.4
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
<b>4 Total Imports From CAN</b>	<b>20.8</b>	<b>20.8</b>	<b>15.8</b>	<b>22.0</b>	<b>38.9</b>	<b>49.3</b>	<b>62.3</b>	<b>70.8</b>	<b>62.7</b>	<b>30.2</b>	<b>30.2</b>	<b>28.9</b>	<b>38.6</b>	<b>27.0</b>	<b>38.8</b>
<b>Inland Southwest</b>															
<b>Transfer Services</b>															
5 RMP to RMP TS PwrP	542	542	485	451	442	477	449	463	437	417	417	465	598	661	491
<b>6 Total Imports From ISW</b>	<b>542</b>	<b>542</b>	<b>485</b>	<b>451</b>	<b>442</b>	<b>477</b>	<b>449</b>	<b>463</b>	<b>437</b>	<b>417</b>	<b>417</b>	<b>465</b>	<b>598</b>	<b>661</b>	<b>491</b>
<b>Pacific Southwest</b>															
<b>Contracts</b>															
7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Other Entities to Other Entities	64.4	63.5	63.9	115	113	114	113	114	115	64.4	64.4	63.4	64.4	0	83.5
14 PG&E to PSE SNX Ret	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
<b>15 Total Imports From PSW</b>	<b>64.4</b>	<b>63.5</b>	<b>63.9</b>	<b>115</b>	<b>294</b>	<b>349</b>	<b>201</b>	<b>178</b>	<b>115</b>	<b>64.4</b>	<b>64.4</b>	<b>63.4</b>	<b>64.4</b>	<b>0</b>	<b>131</b>
<b>Total Imports</b>															
16 Federal Entities	65.4	64.5	64.9	116	114	115	114	115	116	65.4	65.4	64.4	65.4	1.00	84.5
17 Investor Owned Utilities	544	544	487	453	626	715	539	529	439	419	419	467	600	663	540
18 Municipality	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.4
<b>19 Total Imports</b>	<b>627</b>	<b>626</b>	<b>565</b>	<b>587</b>	<b>775</b>	<b>875</b>	<b>712</b>	<b>711</b>	<b>614</b>	<b>511</b>	<b>511</b>	<b>557</b>	<b>701</b>	<b>688</b>	<b>660</b>

**Table A-3: Regional: Imports**  
**Operating Year 2022**  
**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Canada</b>															
<b>Contracts</b>															
1 BCHP to SCL PwrS LTFirm	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.4
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
<b>4 Total Imports From CAN</b>	<b>20.8</b>	<b>20.8</b>	<b>15.8</b>	<b>22.0</b>	<b>38.9</b>	<b>49.3</b>	<b>62.3</b>	<b>70.8</b>	<b>62.7</b>	<b>30.2</b>	<b>30.2</b>	<b>28.9</b>	<b>38.6</b>	<b>27.0</b>	<b>38.8</b>
<b>Inland Southwest</b>															
<b>Transfer Services</b>															
5 RMP to RMP TS PwrP	548	548	488	454	445	480	451	466	440	419	419	468	605	667	494
<b>6 Total Imports From ISW</b>	<b>548</b>	<b>548</b>	<b>488</b>	<b>454</b>	<b>445</b>	<b>480</b>	<b>451</b>	<b>466</b>	<b>440</b>	<b>419</b>	<b>419</b>	<b>468</b>	<b>605</b>	<b>667</b>	<b>494</b>
<b>Pacific Southwest</b>															
<b>Contracts</b>															
7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 PG&E to PSE SNX Ret	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
<b>14 Total Imports From PSW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>181</b>	<b>235</b>	<b>87.4</b>	<b>63.3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>47.1</b>
<b>Total Imports</b>															
15 Federal Entities	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
16 Investor Owned Utilities	550	550	490	456	628	718	542	532	442	421	421	470	606	669	544
17 Municipality	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.4
<b>18 Total Imports</b>	<b>569</b>	<b>569</b>	<b>504</b>	<b>476</b>	<b>664</b>	<b>764</b>	<b>601</b>	<b>600</b>	<b>502</b>	<b>449</b>	<b>449</b>	<b>497</b>	<b>643</b>	<b>694</b>	<b>580</b>

**Table A-3: Regional: Imports**  
**Operating Year 2023**  
**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Canada</b>															
<b>Contracts</b>															
1 BCHP to SCL PwrS LTFirm	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.4
2 BCHP to BPA-P Trty LcAlGcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
<b>4 Total Imports From CAN</b>	<b>20.8</b>	<b>20.8</b>	<b>15.8</b>	<b>22.0</b>	<b>38.9</b>	<b>49.3</b>	<b>62.3</b>	<b>70.8</b>	<b>62.7</b>	<b>30.2</b>	<b>30.2</b>	<b>28.9</b>	<b>38.6</b>	<b>27.0</b>	<b>38.8</b>
<b>Inland Southwest</b>															
<b>Transfer Services</b>															
5 RMP to RMP TS PwrP	554	554	491	457	447	483	453	468	443	422	422	471	611	674	498
<b>6 Total Imports From ISW</b>	<b>554</b>	<b>554</b>	<b>491</b>	<b>457</b>	<b>447</b>	<b>483</b>	<b>453</b>	<b>468</b>	<b>443</b>	<b>422</b>	<b>422</b>	<b>471</b>	<b>611</b>	<b>674</b>	<b>498</b>
<b>Pacific Southwest</b>															
<b>Contracts</b>															
7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 PG&E to PSE SNX Ret	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
<b>14 Total Imports From PSW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>181</b>	<b>235</b>	<b>87.4</b>	<b>63.3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>47.1</b>
<b>Total Imports</b>															
15 Federal Entities	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
16 Investor Owned Utilities	556	555	493	459	631	721	544	534	445	424	424	473	612	677	548
17 Municipality	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.4
<b>18 Total Imports</b>	<b>575</b>	<b>574</b>	<b>507</b>	<b>479</b>	<b>667</b>	<b>767</b>	<b>603</b>	<b>602</b>	<b>505</b>	<b>452</b>	<b>452</b>	<b>500</b>	<b>649</b>	<b>702</b>	<b>584</b>



**Table A-3: Regional: Imports**  
**Operating Year 2024**  
**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Canada</b>															
<b>Contracts</b>															
1 BCHP to SCL PwrS LTFirm	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.5
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
<b>4 Total Imports From CAN</b>	<b>20.8</b>	<b>20.8</b>	<b>15.8</b>	<b>22.0</b>	<b>38.9</b>	<b>49.3</b>	<b>62.3</b>	<b>70.8</b>	<b>62.7</b>	<b>30.2</b>	<b>30.2</b>	<b>28.9</b>	<b>38.6</b>	<b>27.0</b>	<b>38.8</b>
<b>Inland Southwest</b>															
<b>Transfer Services</b>															
5 RMP to RMP TS PwrP	560	559	494	460	449	485	456	471	445	425	425	474	617	681	502
<b>6 Total Imports From ISW</b>	<b>560</b>	<b>559</b>	<b>494</b>	<b>460</b>	<b>449</b>	<b>485</b>	<b>456</b>	<b>471</b>	<b>445</b>	<b>425</b>	<b>425</b>	<b>474</b>	<b>617</b>	<b>681</b>	<b>502</b>
<b>Pacific Southwest</b>															
<b>Contracts</b>															
7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 PG&E to PSE SNX Ret	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
<b>14 Total Imports From PSW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>181</b>	<b>235</b>	<b>87.4</b>	<b>63.3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>47.1</b>
<b>Total Imports</b>															
15 Federal Entities	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
16 Investor Owned Utilities	561	561	496	462	633	724	546	537	448	427	427	476	619	683	551
17 Municipality	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.5
<b>18 Total Imports</b>	<b>580</b>	<b>580</b>	<b>510</b>	<b>482</b>	<b>669</b>	<b>770</b>	<b>605</b>	<b>605</b>	<b>508</b>	<b>455</b>	<b>455</b>	<b>503</b>	<b>656</b>	<b>708</b>	<b>588</b>

**Table A-3: Regional: Imports**  
**Operating Year 2025**  
**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Canada</b>															
<b>Contracts</b>															
1 BCHP to SCL PwrS LTFirm	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.4
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
<b>4 Total Imports From CAN</b>	<b>20.8</b>	<b>20.8</b>	<b>15.8</b>	<b>22.0</b>	<b>38.9</b>	<b>49.3</b>	<b>62.3</b>	<b>70.8</b>	<b>62.7</b>	<b>30.2</b>	<b>30.2</b>	<b>28.9</b>	<b>38.6</b>	<b>27.0</b>	<b>38.8</b>
<b>Inland Southwest</b>															
<b>Transfer Services</b>															
5 RMP to RMP TS PwrP	565	565	498	462	452	488	458	473	448	428	428	477	624	688	506
<b>6 Total Imports From ISW</b>	<b>565</b>	<b>565</b>	<b>498</b>	<b>462</b>	<b>452</b>	<b>488</b>	<b>458</b>	<b>473</b>	<b>448</b>	<b>428</b>	<b>428</b>	<b>477</b>	<b>624</b>	<b>688</b>	<b>506</b>
<b>Pacific Southwest</b>															
<b>Contracts</b>															
7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 PG&E to PSE SNX Ret	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
<b>14 Total Imports From PSW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>181</b>	<b>235</b>	<b>87.4</b>	<b>63.3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>47.1</b>
<b>Total Imports</b>															
15 Federal Entities	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
16 Investor Owned Utilities	567	567	500	464	635	727	549	540	451	430	430	479	626	690	555
17 Municipality	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.4
<b>18 Total Imports</b>	<b>586</b>	<b>586</b>	<b>514</b>	<b>484</b>	<b>671</b>	<b>773</b>	<b>608</b>	<b>608</b>	<b>511</b>	<b>458</b>	<b>458</b>	<b>506</b>	<b>663</b>	<b>715</b>	<b>591</b>

**Table A-3: Regional: Imports**  
**Operating Year 2026**  
**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Canada</b>															
<b>Contracts</b>															
1 BCHP to SCL PwrS LTFirm	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.4
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
<b>4 Total Imports From CAN</b>	<b>20.8</b>	<b>20.8</b>	<b>15.8</b>	<b>22.0</b>	<b>38.9</b>	<b>49.3</b>	<b>62.3</b>	<b>70.8</b>	<b>62.7</b>	<b>30.2</b>	<b>30.2</b>	<b>28.9</b>	<b>38.6</b>	<b>27.0</b>	<b>38.8</b>
<b>Inland Southwest</b>															
<b>Transfer Services</b>															
5 RMP to RMP TS PwrP	571	571	501	466	454	491	461	476	451	430	430	480	631	695	509
<b>6 Total Imports From ISW</b>	<b>571</b>	<b>571</b>	<b>501</b>	<b>466</b>	<b>454</b>	<b>491</b>	<b>461</b>	<b>476</b>	<b>451</b>	<b>430</b>	<b>430</b>	<b>480</b>	<b>631</b>	<b>695</b>	<b>509</b>
<b>Pacific Southwest</b>															
<b>Contracts</b>															
7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 PG&E to PSE SNX Ret	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
<b>14 Total Imports From PSW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>181</b>	<b>235</b>	<b>87.4</b>	<b>63.3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>47.1</b>
<b>Total Imports</b>															
15 Federal Entities	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
16 Investor Owned Utilities	573	573	503	468	638	729	551	542	454	433	433	482	632	697	559
17 Municipality	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.4
<b>18 Total Imports</b>	<b>592</b>	<b>592</b>	<b>517</b>	<b>488</b>	<b>674</b>	<b>775</b>	<b>610</b>	<b>610</b>	<b>514</b>	<b>461</b>	<b>461</b>	<b>509</b>	<b>669</b>	<b>722</b>	<b>595</b>

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**Exhibit 24**  
**Table A-4: Regional Intra-Regional Transfers**

**Monthly Energy**  
**Operating Year 2017 to 2026**  
**Using 1937-Water Conditions**

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**Table A-4: Regional: Intra-Regional Transfers**

**Operating Year 2017**

**2015 White Book** Report Date: 6/30/2015

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Intra-Regional Transfers</b>															
<b>Contracts</b>	<b>536</b>	<b>536</b>	<b>563</b>	<b>478</b>	<b>688</b>	<b>681</b>	<b>599</b>	<b>588</b>	<b>493</b>	<b>506</b>	<b>512</b>	<b>353</b>	<b>432</b>	<b>366</b>	<b>523</b>
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	59.2	61.8	59.3	58.8	61.8	60.1	58.7	59.2	65.4	0	59.2	0	44.8
2 AVWP to PGE CapX Del	44.6	44.6	44.6	44.6	44.6	44.6	0	0	0	0	0	0	0	0	18.7
3 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	109	109	109	109	53.9	53.8	53.8	0	0	0	44.8
4 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
5 BPA-P to PPL NSP RIn	5.33	5.33	4.26	4.41	5.31	3.68	3.22	2.76	2.17	4.72	4.69	5.06	4.97	6.35	4.36
6 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA-P to PSE Ops UBkr Repl	0	0	0	0	3.89	3.92	3.77	4.01	0	0	0	0	0	0	1.28
9 BPA-P to PSE Setl WNP3 Del	0	0	0	0	109	109	109	109	53.9	53.8	53.8	0	0	0	44.8
10 CIDF to RMP PwrS LTFirm	14.6	14.6	0.25	0	0	0	0	0	0	0	0	11.9	18.5	19.8	5.47
11 DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	7.90	6.60	8.20	8.60	7.40	7.80	10.3	10.3	12.6	13.9	13.8	10.0
13 GHPD to GHP PwrS LTFirm	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
14 JPMV to BPA-P PwrP T2	51.0	51.0	51.0	0	0	0	0	0	0	0	0	0	0	0	8.52
15 NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	9.66
16 Other Entities to BPA-P	47.5	47.5	34.4	87.4	83.9	78.0	83.1	76.0	93.5	101	101	99.9	110	102	83.1
17 Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
18 Other Entities to DOPD	7.00	7.00	7.00	11.0	11.0	11.4	11.0	10.1	11.0	7.00	7.00	7.00	7.00	7.00	8.96
19 Other Entities to Other Entities	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
20 Other Entities to PGE	92.1	92.1	92.1	0	0	0	0	0	0	0	0	0	0	0	15.4
21 PGE to AVWP CapX Repl	44.6	44.6	44.6	44.6	44.6	44.6	0	0	0	0	0	0	0	0	18.7
22 PGE to PPL PwrS LTFirm	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
23 PPL to BPA-P NSP SOut	4.13	4.12	4.56	5.15	3.80	3.22	2.49	2.40	4.56	5.25	5.22	4.81	6.56	5.33	4.36
24 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 SCL to POPD PwrS LTFirm	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
28 SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
<b>29 Total Intra-Regional Transfers</b>	<b>536</b>	<b>536</b>	<b>563</b>	<b>478</b>	<b>688</b>	<b>681</b>	<b>599</b>	<b>588</b>	<b>493</b>	<b>506</b>	<b>512</b>	<b>353</b>	<b>432</b>	<b>366</b>	<b>523</b>
<b>Intra-Regional Contracts Out</b>															
30 Federal Entities	14.8	14.8	13.7	13.8	236	235	234	234	119	122	122	14.5	14.4	15.8	105
31 Investor Owned Utilities	239	239	285	190	179	172	90.7	81.8	100	113	119	51.9	123	55.1	140
32 Marketer	196	196	196	207	207	207	207	206	207	203	203	203	203	203	204
33 Municipality	58.5	58.5	44.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	55.8	62.4	63.7	49.4
34 Public Utility District	27.5	27.5	24.6	22.6	21.3	22.9	23.3	22.1	22.5	25.0	25.0	27.3	28.6	28.5	24.7
<b>35 Total Regional Contracts Out</b>	<b>536</b>	<b>536</b>	<b>563</b>	<b>478</b>	<b>688</b>	<b>681</b>	<b>599</b>	<b>588</b>	<b>493</b>	<b>506</b>	<b>512</b>	<b>353</b>	<b>432</b>	<b>366</b>	<b>523</b>
<b>Intra-Regional Contracts In</b>															
36 Federal Entities	123	123	170	175	164	157	164	155	174	187	193	125	196	128	160
37 Investor Owned Utilities	319	319	301	206	428	428	338	337	223	228	228	134	142	145	268
38 Marketer	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
39 Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
40 Public Utility District	74.7	74.7	74.7	78.7	78.7	79.1	78.7	77.8	78.7	74.7	74.7	74.7	74.7	74.7	76.7
<b>41 Total Regional Contracts In</b>	<b>536</b>	<b>536</b>	<b>563</b>	<b>478</b>	<b>688</b>	<b>681</b>	<b>599</b>	<b>588</b>	<b>493</b>	<b>506</b>	<b>512</b>	<b>353</b>	<b>432</b>	<b>366</b>	<b>523</b>

**Table A-4: Regional: Intra-Regional Transfers**

**Operating Year 2018**

**2015 White Book** Report Date: 6/30/2015

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Intra-Regional Transfers</b>															
<b>Contracts</b>	<b>355</b>	<b>355</b>	<b>382</b>	<b>401</b>	<b>486</b>	<b>482</b>	<b>484</b>	<b>476</b>	<b>435</b>	<b>458</b>	<b>452</b>	<b>352</b>	<b>432</b>	<b>366</b>	<b>425</b>
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	59.2	61.8	59.3	61.8	58.8	60.1	58.7	65.4	59.2	0	59.2	0	44.8
2 AVWP to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	109	109	109	109	53.9	53.8	53.8	0	0	0	44.8
4 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
5 BPA-P to PPL NSP RIn	5.33	5.33	4.26	4.41	5.31	3.68	3.24	2.77	2.17	4.69	4.72	5.03	4.97	6.35	4.36
6 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA-P to PSE Ops UBkr Repl	0	0	0	0	3.89	3.77	3.92	4.01	0	0	0	0	0	0	1.28
9 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 CIDF to RMP PwrS LTFirm	14.6	14.6	0.25	0	0	0	0	0	0	0	0	11.9	18.5	19.8	5.47
11 DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	7.90	6.60	8.20	8.60	7.20	7.80	10.3	10.3	12.6	13.9	13.8	9.99
13 GHPD to GHP PwrS LTFirm	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
14 JPMV to BPA-P PwrP T2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	9.66
16 Other Entities to BPA-P	105	105	92.4	110	90.9	85.1	90.2	83.0	101	108	108	107	117	109	100.0
17 Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
18 Other Entities to DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Other Entities to Other Entities	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
20 Other Entities to PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 PGE to PPL PwrS LTFirm	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
23 PPL to BPA-P NSP SOut	4.13	4.12	4.56	5.15	3.80	3.24	2.50	2.40	4.56	5.18	5.21	4.81	6.56	5.33	4.36
24 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 SCL to POPD PwrS LTFirm	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
28 SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
<b>29 Total Intra-Regional Transfers</b>	<b>355</b>	<b>355</b>	<b>382</b>	<b>401</b>	<b>486</b>	<b>482</b>	<b>484</b>	<b>476</b>	<b>435</b>	<b>458</b>	<b>452</b>	<b>352</b>	<b>432</b>	<b>366</b>	<b>425</b>
<b>Intra-Regional Contracts Out</b>															
30 Federal Entities	14.8	14.8	13.7	13.8	127	126	126	125	65.5	67.9	68.0	14.5	14.4	15.8	59.9
31 Investor Owned Utilities	57.8	57.8	103	101	90.0	86.3	87.8	81.8	100	119	113	51.9	123	55.1	87.7
32 Marketer	196	196	196	219	203	203	203	203	203	203	203	203	203	203	203
33 Municipality	58.5	58.5	44.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	55.8	62.4	63.7	49.4
34 Public Utility District	27.5	27.5	24.6	22.6	21.3	22.9	23.3	21.9	22.5	25.0	25.0	27.3	28.6	28.5	24.7
<b>35 Total Regional Contracts Out</b>	<b>355</b>	<b>355</b>	<b>382</b>	<b>401</b>	<b>486</b>	<b>482</b>	<b>484</b>	<b>476</b>	<b>435</b>	<b>458</b>	<b>452</b>	<b>352</b>	<b>432</b>	<b>366</b>	<b>425</b>
<b>Intra-Regional Contracts In</b>															
36 Federal Entities	130	130	177	198	171	167	168	162	181	199	193	132	203	135	168
37 Investor Owned Utilities	138	138	119	117	230	229	230	228	169	174	174	134	142	145	171
38 Marketer	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
39 Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
40 Public Utility District	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
<b>41 Total Regional Contracts In</b>	<b>355</b>	<b>355</b>	<b>382</b>	<b>401</b>	<b>486</b>	<b>482</b>	<b>484</b>	<b>476</b>	<b>435</b>	<b>458</b>	<b>452</b>	<b>352</b>	<b>432</b>	<b>366</b>	<b>425</b>

**Table A-4: Regional: Intra-Regional Transfers**

**Operating Year 2019**

**2015 White Book** Report Date: 6/30/2015

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Intra-Regional Transfers</b>															
<b>Contracts</b>	<b>362</b>	<b>362</b>	<b>330</b>	<b>327</b>	<b>430</b>	<b>424</b>	<b>429</b>	<b>415</b>	<b>354</b>	<b>363</b>	<b>363</b>	<b>324</b>	<b>334</b>	<b>336</b>	<b>368</b>
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	109	109	109	109	53.9	53.8	53.8	0	0	0	44.8
4 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
5 BPA-P to PPL NSP RIn	5.33	5.33	4.26	4.42	5.27	3.68	3.24	2.77	2.17	4.73	4.73	5.05	4.97	6.38	4.36
6 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA-P to PSE Ops UBkr Repl	0	0	0	0	3.89	3.77	3.92	4.01	0	0	0	0	0	0	1.28
9 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 CIDF to RMP PwrS LTFirm	14.6	14.6	0.25	0	0	0	0	0	0	0	0	11.9	18.5	19.8	5.47
11 DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	7.90	6.60	8.20	8.60	7.40	7.80	10.3	10.3	12.6	13.9	13.8	10.0
13 GHPD to GHP PwrS LTFirm	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
14 JPMV to BPA-P PwrP T2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	9.66
16 Other Entities to BPA-P	112	112	99.3	98.4	94.9	89.1	94.2	82.5	78.0	78.0	78.0	78.0	78.0	78.0	88.5
17 Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
18 Other Entities to DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Other Entities to Other Entities	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
20 Other Entities to PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 PGE to PPL PwrS LTFirm	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
23 PPL to BPA-P NSP SOut	4.13	4.12	4.57	5.11	3.80	3.24	2.50	2.40	4.58	5.22	5.22	4.81	6.59	5.37	4.37
24 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 SCL to POPD PwrS LTFirm	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
28 SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
<b>29 Total Intra-Regional Transfers</b>	<b>362</b>	<b>362</b>	<b>330</b>	<b>327</b>	<b>430</b>	<b>424</b>	<b>429</b>	<b>415</b>	<b>354</b>	<b>363</b>	<b>363</b>	<b>324</b>	<b>334</b>	<b>336</b>	<b>368</b>
<b>Intra-Regional Contracts Out</b>															
30 Federal Entities	14.8	14.8	13.7	13.9	127	126	126	125	65.5	68.0	68.0	14.5	14.4	15.8	59.9
31 Investor Owned Utilities	57.8	57.8	44.2	39.4	30.7	24.5	29.0	17.2	14.8	18.9	18.9	19.0	21.2	20.6	28.2
32 Marketer	203	203	203	207	207	207	207	207	207	207	207	207	207	207	206
33 Municipality	58.5	58.5	44.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	55.8	62.4	63.7	49.4
34 Public Utility District	27.5	27.5	24.6	22.6	21.3	22.9	23.3	22.1	22.5	25.0	25.0	27.3	28.6	28.5	24.7
<b>35 Total Regional Contracts Out</b>	<b>362</b>	<b>362</b>	<b>330</b>	<b>327</b>	<b>430</b>	<b>424</b>	<b>429</b>	<b>415</b>	<b>354</b>	<b>363</b>	<b>363</b>	<b>324</b>	<b>334</b>	<b>336</b>	<b>368</b>
<b>Intra-Regional Contracts In</b>															
36 Federal Entities	137	137	125	124	116	109	114	102	99.5	104	104	103	105	104	112
37 Investor Owned Utilities	138	138	119	117	229	229	230	228	169	174	174	134	142	145	171
38 Marketer	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
39 Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
40 Public Utility District	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
<b>41 Total Regional Contracts In</b>	<b>362</b>	<b>362</b>	<b>330</b>	<b>327</b>	<b>430</b>	<b>424</b>	<b>429</b>	<b>415</b>	<b>354</b>	<b>363</b>	<b>363</b>	<b>324</b>	<b>334</b>	<b>336</b>	<b>368</b>



Table A-4: Regional: Intra-Regional Transfers

Operating Year 2020

2015 White Book Report Date: 6/30/2015

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Intra-Regional Transfers</b>															
<b>Contracts</b>	<b>327</b>	<b>327</b>	<b>308</b>	<b>228</b>	<b>227</b>	<b>226</b>	<b>226</b>	<b>224</b>	<b>222</b>	<b>231</b>	<b>231</b>	<b>246</b>	<b>256</b>	<b>258</b>	<b>248</b>
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
5 BPA-P to PPL NSP RIn	5.37	5.37	4.26	4.42	5.27	3.68	3.24	2.68	2.25	4.73	4.73	5.05	4.97	6.35	4.36
6 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA-P to PSE Ops UBkr Repl	0	0	0	0	3.89	3.77	3.92	4.03	0	0	0	0	0	0	1.29
9 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 CIDF to RMP PwrS LTFirm	14.6	14.6	0.25	0	0	0	0	0	0	0	0	11.9	18.5	19.8	5.46
11 DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	7.90	6.60	8.20	8.60	7.40	7.80	10.3	10.3	12.6	13.9	13.8	10.00
13 GHPD to GHP PwrS LTFirm	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
14 JPMV to BPA-P PwrP T2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	9.65
16 Other Entities to BPA-P	78.0	78.0	78.0	0	0	0	0	0	0	0	0	0	0	0	13.0
17 Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
18 Other Entities to DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Other Entities to Other Entities	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
20 Other Entities to PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 PGE to PPL PwrS LTFirm	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
23 PPL to BPA-P NSP SOut	4.13	4.12	4.57	5.11	3.80	3.24	2.50	2.40	4.58	5.22	5.22	4.81	6.56	5.37	4.36
24 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 SCL to POPD PwrS LTFirm	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
28 SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
<b>29 Total Intra-Regional Transfers</b>	<b>327</b>	<b>327</b>	<b>308</b>	<b>228</b>	<b>227</b>	<b>226</b>	<b>226</b>	<b>224</b>	<b>222</b>	<b>231</b>	<b>231</b>	<b>246</b>	<b>256</b>	<b>258</b>	<b>248</b>
<b>Intra-Regional Contracts Out</b>															
30 Federal Entities	14.8	14.8	13.7	13.9	18.6	16.9	16.6	16.1	11.7	14.2	14.2	14.5	14.4	15.8	15.1
31 Investor Owned Utilities	19.3	19.3	18.9	19.0	13.8	13.3	12.8	12.7	14.8	18.9	18.9	19.0	21.2	20.6	17.0
32 Marketer	207	207	207	129	129	129	129	129	129	129	129	129	129	129	142
33 Municipality	58.5	58.5	44.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	55.8	62.4	63.7	49.4
34 Public Utility District	27.5	27.5	24.6	22.6	21.3	22.9	23.3	22.1	22.5	25.0	25.0	27.3	28.6	28.5	24.7
<b>35 Total Regional Contracts Out</b>	<b>327</b>	<b>327</b>	<b>308</b>	<b>228</b>	<b>227</b>	<b>226</b>	<b>226</b>	<b>224</b>	<b>222</b>	<b>231</b>	<b>231</b>	<b>246</b>	<b>256</b>	<b>258</b>	<b>248</b>
<b>Intra-Regional Contracts In</b>															
36 Federal Entities	103	103	103	25.7	20.7	20.1	19.4	19.3	21.5	25.9	25.9	25.4	27.2	26.0	36.4
37 Investor Owned Utilities	138	138	119	117	121	121	121	119	115	120	120	134	142	145	126
38 Marketer	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
39 Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
40 Public Utility District	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
<b>41 Total Regional Contracts In</b>	<b>327</b>	<b>327</b>	<b>308</b>	<b>228</b>	<b>227</b>	<b>226</b>	<b>226</b>	<b>224</b>	<b>222</b>	<b>231</b>	<b>231</b>	<b>246</b>	<b>256</b>	<b>258</b>	<b>248</b>

**Table A-4: Regional: Intra-Regional Transfers**

**Operating Year 2021**

**2015 White Book** Report Date: 6/30/2015

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Intra-Regional Transfers</b>															
<b>Contracts</b>	<b>249</b>	<b>249</b>	<b>230</b>	<b>223</b>	<b>217</b>	<b>219</b>	<b>220</b>	<b>219</b>	<b>215</b>	<b>221</b>	<b>221</b>	<b>236</b>	<b>244</b>	<b>246</b>	<b>228</b>
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
5 BPA-P to PPL NSP RIn	5.37	5.36	4.28	4.41	0	0	0	0	0	0	0	0	0	0	1.18
6 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA-P to PSE Ops UBkr Repl	0	0	0	0	3.74	3.92	3.77	4.01	0	0	0	0	0	0	1.27
9 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 CIDF to RMP PwrS LTFirm	14.6	14.6	0.25	0	0	0	0	0	0	0	0	11.9	18.5	19.8	5.47
11 DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	7.90	6.60	8.20	8.60	7.40	7.80	10.3	10.3	12.6	13.9	13.8	10.0
13 GHPD to GHP PwrS LTFirm	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
14 JPMV to BPA-P PwrP T2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	9.66
16 Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
18 Other Entities to DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Other Entities to Other Entities	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
20 Other Entities to PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 PGE to PPL PwrS LTFirm	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
23 PPL to BPA-P NSP SOut	4.12	4.15	4.56	0	0	0	0	0	0	0	0	0	0	0	0.73
24 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 SCL to POPD PwrS LTFirm	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
28 SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
<b>29 Total Intra-Regional Transfers</b>	<b>249</b>	<b>249</b>	<b>230</b>	<b>223</b>	<b>217</b>	<b>219</b>	<b>220</b>	<b>219</b>	<b>215</b>	<b>221</b>	<b>221</b>	<b>236</b>	<b>244</b>	<b>246</b>	<b>228</b>
<b>Intra-Regional Contracts Out</b>															
30 Federal Entities	14.8	14.8	13.7	13.8	13.2	13.4	13.2	13.4	9.44	9.44	9.44	9.44	9.44	9.44	11.9
31 Investor Owned Utilities	19.3	19.3	18.8	13.9	10.0	10.1	10.3	10.3	10.2	13.7	13.7	14.2	14.6	15.2	13.4
32 Marketer	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129
33 Municipality	58.5	58.5	44.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	55.8	62.4	63.7	49.4
34 Public Utility District	27.5	27.5	24.6	22.6	21.3	22.9	23.3	22.1	22.5	25.0	25.0	27.3	28.6	28.5	24.7
<b>35 Total Regional Contracts Out</b>	<b>249</b>	<b>249</b>	<b>230</b>	<b>223</b>	<b>217</b>	<b>219</b>	<b>220</b>	<b>219</b>	<b>215</b>	<b>221</b>	<b>221</b>	<b>236</b>	<b>244</b>	<b>246</b>	<b>228</b>
<b>Intra-Regional Contracts In</b>															
36 Federal Entities	24.8	24.8	25.2	20.6	16.9	16.9	16.9	16.9	16.9	20.6	20.6	20.6	20.6	20.6	19.8
37 Investor Owned Utilities	138	138	119	117	115	117	117	116	113	115	115	129	137	138	123
38 Marketer	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
39 Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
40 Public Utility District	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
<b>41 Total Regional Contracts In</b>	<b>249</b>	<b>249</b>	<b>230</b>	<b>223</b>	<b>217</b>	<b>219</b>	<b>220</b>	<b>219</b>	<b>215</b>	<b>221</b>	<b>221</b>	<b>236</b>	<b>244</b>	<b>246</b>	<b>228</b>

**Table A-4: Regional: Intra-Regional Transfers**

**Operating Year 2022**

**2015 White Book** Report Date: 6/30/2015

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Intra-Regional Transfers</b>															
<b>Contracts</b>	<b>240</b>	<b>240</b>	<b>221</b>	<b>219</b>	<b>218</b>	<b>219</b>	<b>220</b>	<b>219</b>	<b>215</b>	<b>221</b>	<b>221</b>	<b>236</b>	<b>244</b>	<b>246</b>	<b>226</b>
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
5 BPA-P to PPL NSP RIn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA-P to PSE Ops UBkr Repl	0	0	0	0	3.89	3.92	3.77	4.01	0	0	0	0	0	0	1.28
9 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 CIDF to RMP PwrS LTFirm	14.6	14.6	0.25	0	0	0	0	0	0	0	0	11.9	18.5	19.8	5.47
11 DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	7.90	6.60	8.20	8.60	7.20	7.80	10.3	10.3	12.6	13.9	13.8	9.99
13 GHPD to GHP PwrS LTFirm	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
14 JPMV to BPA-P PwrP T2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	9.66
16 Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
18 Other Entities to DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Other Entities to Other Entities	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
20 Other Entities to PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 PGE to PPL PwrS LTFirm	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
23 PPL to BPA-P NSP SOut	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 SCL to POPD PwrS LTFirm	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
28 SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
<b>29 Total Intra-Regional Transfers</b>	<b>240</b>	<b>240</b>	<b>221</b>	<b>219</b>	<b>218</b>	<b>219</b>	<b>220</b>	<b>219</b>	<b>215</b>	<b>221</b>	<b>221</b>	<b>236</b>	<b>244</b>	<b>246</b>	<b>226</b>
<b>Intra-Regional Contracts Out</b>															
30 Federal Entities	9.44	9.44	9.44	9.44	13.3	13.4	13.2	13.4	9.44	9.44	9.44	9.44	9.44	9.44	10.7
31 Investor Owned Utilities	15.2	15.2	14.3	13.9	10.0	10.1	10.3	10.3	10.2	13.7	13.7	14.2	14.6	15.2	12.7
32 Marketer	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129
33 Municipality	58.5	58.5	44.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	55.8	62.4	63.7	49.4
34 Public Utility District	27.5	27.5	24.6	22.6	21.3	22.9	23.3	21.9	22.5	25.0	25.0	27.3	28.6	28.5	24.7
<b>35 Total Regional Contracts Out</b>	<b>240</b>	<b>240</b>	<b>221</b>	<b>219</b>	<b>218</b>	<b>219</b>	<b>220</b>	<b>219</b>	<b>215</b>	<b>221</b>	<b>221</b>	<b>236</b>	<b>244</b>	<b>246</b>	<b>226</b>
<b>Intra-Regional Contracts In</b>															
36 Federal Entities	20.6	20.6	20.6	20.6	16.9	16.9	16.9	16.9	16.9	20.6	20.6	20.6	20.6	20.6	19.1
37 Investor Owned Utilities	132	132	115	113	115	117	117	116	113	115	115	129	137	138	122
38 Marketer	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
39 Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
40 Public Utility District	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
<b>41 Total Regional Contracts In</b>	<b>240</b>	<b>240</b>	<b>221</b>	<b>219</b>	<b>218</b>	<b>219</b>	<b>220</b>	<b>219</b>	<b>215</b>	<b>221</b>	<b>221</b>	<b>236</b>	<b>244</b>	<b>246</b>	<b>226</b>

**Table A-4: Regional: Intra-Regional Transfers**

**Operating Year 2023**

**2015 White Book** Report Date: 6/30/2015

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Intra-Regional Transfers</b>															
<b>Contracts</b>	<b>240</b>	<b>240</b>	<b>221</b>	<b>219</b>	<b>218</b>	<b>219</b>	<b>220</b>	<b>219</b>	<b>215</b>	<b>221</b>	<b>221</b>	<b>236</b>	<b>244</b>	<b>246</b>	<b>226</b>
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
5 BPA-P to PPL NSP RIn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA-P to PSE Ops UBkr Repl	0	0	0	0	3.89	3.92	3.77	4.01	0	0	0	0	0	0	1.28
9 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 CIDF to RMP PwrS LTFirm	14.6	14.6	0.25	0	0	0	0	0	0	0	0	11.9	18.5	19.8	5.47
11 DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	7.90	6.60	8.20	8.60	7.40	7.80	10.3	10.3	12.6	13.9	13.8	10.0
13 GHPD to GHP PwrS LTFirm	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
14 JPMV to BPA-P PwrP T2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	9.66
16 Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
18 Other Entities to DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Other Entities to Other Entities	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
20 Other Entities to PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 PGE to PPL PwrS LTFirm	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
23 PPL to BPA-P NSP SOut	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 SCL to POPD PwrS LTFirm	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
28 SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
<b>29 Total Intra-Regional Transfers</b>	<b>240</b>	<b>240</b>	<b>221</b>	<b>219</b>	<b>218</b>	<b>219</b>	<b>220</b>	<b>219</b>	<b>215</b>	<b>221</b>	<b>221</b>	<b>236</b>	<b>244</b>	<b>246</b>	<b>226</b>
<b>Intra-Regional Contracts Out</b>															
30 Federal Entities	9.44	9.44	9.44	9.44	13.3	13.4	13.2	13.4	9.44	9.44	9.44	9.44	9.44	9.44	10.7
31 Investor Owned Utilities	15.2	15.2	14.3	13.9	10.0	10.1	10.3	10.3	10.2	13.7	13.7	14.2	14.6	15.2	12.7
32 Marketer	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129
33 Municipality	58.5	58.5	44.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	55.8	62.4	63.7	49.4
34 Public Utility District	27.5	27.5	24.6	22.6	21.3	22.9	23.3	22.1	22.5	25.0	25.0	27.3	28.6	28.5	24.7
<b>35 Total Regional Contracts Out</b>	<b>240</b>	<b>240</b>	<b>221</b>	<b>219</b>	<b>218</b>	<b>219</b>	<b>220</b>	<b>219</b>	<b>215</b>	<b>221</b>	<b>221</b>	<b>236</b>	<b>244</b>	<b>246</b>	<b>226</b>
<b>Intra-Regional Contracts In</b>															
36 Federal Entities	20.6	20.6	20.6	20.6	16.9	16.9	16.9	16.9	16.9	20.6	20.6	20.6	20.6	20.6	19.1
37 Investor Owned Utilities	132	132	115	113	115	117	117	116	113	115	115	129	137	138	122
38 Marketer	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
39 Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
40 Public Utility District	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
<b>41 Total Regional Contracts In</b>	<b>240</b>	<b>240</b>	<b>221</b>	<b>219</b>	<b>218</b>	<b>219</b>	<b>220</b>	<b>219</b>	<b>215</b>	<b>221</b>	<b>221</b>	<b>236</b>	<b>244</b>	<b>246</b>	<b>226</b>

**Table A-4: Regional: Intra-Regional Transfers**

**Operating Year 2024**

**2015 White Book** Report Date: 6/30/2015

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Intra-Regional Transfers</b>															
<b>Contracts</b>	<b>240</b>	<b>240</b>	<b>221</b>	<b>219</b>	<b>218</b>	<b>219</b>	<b>220</b>	<b>219</b>	<b>215</b>	<b>221</b>	<b>221</b>	<b>236</b>	<b>244</b>	<b>246</b>	<b>226</b>
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
5 BPA-P to PPL NSP RIn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA-P to PSE Ops UBkr Repl	0	0	0	0	3.89	3.77	3.92	4.03	0	0	0	0	0	0	1.29
9 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 CIDF to RMP PwrS LTFirm	14.6	14.6	0.25	0	0	0	0	0	0	0	0	11.9	18.5	19.8	5.46
11 DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	7.90	6.60	8.20	8.60	7.40	7.80	10.3	10.3	12.6	13.9	13.8	10.00
13 GHPD to GHP PwrS LTFirm	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
14 JPMV to BPA-P PwrP T2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	9.65
16 Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
18 Other Entities to DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Other Entities to Other Entities	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
20 Other Entities to PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 PGE to PPL PwrS LTFirm	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
23 PPL to BPA-P NSP SOut	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 SCL to POPD PwrS LTFirm	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
28 SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
<b>29 Total Intra-Regional Transfers</b>	<b>240</b>	<b>240</b>	<b>221</b>	<b>219</b>	<b>218</b>	<b>219</b>	<b>220</b>	<b>219</b>	<b>215</b>	<b>221</b>	<b>221</b>	<b>236</b>	<b>244</b>	<b>246</b>	<b>226</b>
<b>Intra-Regional Contracts Out</b>															
30 Federal Entities	9.44	9.44	9.44	9.44	13.3	13.2	13.4	13.5	9.44	9.44	9.44	9.44	9.44	9.44	10.7
31 Investor Owned Utilities	15.2	15.2	14.3	13.9	10.0	10.1	10.3	10.3	10.2	13.7	13.7	14.2	14.6	15.2	12.7
32 Marketer	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129
33 Municipality	58.5	58.5	44.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	55.8	62.4	63.7	49.4
34 Public Utility District	27.5	27.5	24.6	22.6	21.3	22.9	23.3	22.1	22.5	25.0	25.0	27.3	28.6	28.5	24.7
<b>35 Total Regional Contracts Out</b>	<b>240</b>	<b>240</b>	<b>221</b>	<b>219</b>	<b>218</b>	<b>219</b>	<b>220</b>	<b>219</b>	<b>215</b>	<b>221</b>	<b>221</b>	<b>236</b>	<b>244</b>	<b>246</b>	<b>226</b>
<b>Intra-Regional Contracts In</b>															
36 Federal Entities	20.6	20.6	20.6	20.6	16.9	16.9	16.9	16.9	16.9	20.6	20.6	20.6	20.6	20.6	19.1
37 Investor Owned Utilities	132	132	115	113	115	117	117	116	113	115	115	129	137	138	122
38 Marketer	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
39 Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
40 Public Utility District	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
<b>41 Total Regional Contracts In</b>	<b>240</b>	<b>240</b>	<b>221</b>	<b>219</b>	<b>218</b>	<b>219</b>	<b>220</b>	<b>219</b>	<b>215</b>	<b>221</b>	<b>221</b>	<b>236</b>	<b>244</b>	<b>246</b>	<b>226</b>

**Table A-4: Regional: Intra-Regional Transfers**

**Operating Year 2025**

**2015 White Book** Report Date: 6/30/2015

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Intra-Regional Transfers</b>															
<b>Contracts</b>	<b>240</b>	<b>240</b>	<b>221</b>	<b>219</b>	<b>218</b>	<b>219</b>	<b>220</b>	<b>219</b>	<b>215</b>	<b>221</b>	<b>221</b>	<b>236</b>	<b>244</b>	<b>246</b>	<b>226</b>
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
5 BPA-P to PPL NSP RIn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA-P to PSE Ops UBkr Repl	0	0	0	0	3.89	3.77	3.92	4.01	0	0	0	0	0	0	1.28
9 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 CIDF to RMP PwrS LTFirm	14.6	14.6	0.25	0	0	0	0	0	0	0	0	11.9	18.5	19.8	5.47
11 DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	7.90	6.60	8.20	8.60	7.40	7.80	10.3	10.3	12.6	13.9	13.8	10.0
13 GHPD to GHP PwrS LTFirm	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
14 JPMV to BPA-P PwrP T2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	9.66
16 Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
18 Other Entities to DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Other Entities to Other Entities	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
20 Other Entities to PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 PGE to PPL PwrS LTFirm	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
23 PPL to BPA-P NSP SOut	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 SCL to POPD PwrS LTFirm	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
28 SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
<b>29 Total Intra-Regional Transfers</b>	<b>240</b>	<b>240</b>	<b>221</b>	<b>219</b>	<b>218</b>	<b>219</b>	<b>220</b>	<b>219</b>	<b>215</b>	<b>221</b>	<b>221</b>	<b>236</b>	<b>244</b>	<b>246</b>	<b>226</b>
<b>Intra-Regional Contracts Out</b>															
30 Federal Entities	9.44	9.44	9.44	9.44	13.3	13.2	13.4	13.4	9.44	9.44	9.44	9.44	9.44	9.44	10.7
31 Investor Owned Utilities	15.2	15.2	14.3	13.9	10.0	10.1	10.3	10.3	10.2	13.7	13.7	14.2	14.6	15.2	12.7
32 Marketer	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129
33 Municipality	58.5	58.5	44.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	55.8	62.4	63.7	49.4
34 Public Utility District	27.5	27.5	24.6	22.6	21.3	22.9	23.3	22.1	22.5	25.0	25.0	27.3	28.6	28.5	24.7
<b>35 Total Regional Contracts Out</b>	<b>240</b>	<b>240</b>	<b>221</b>	<b>219</b>	<b>218</b>	<b>219</b>	<b>220</b>	<b>219</b>	<b>215</b>	<b>221</b>	<b>221</b>	<b>236</b>	<b>244</b>	<b>246</b>	<b>226</b>
<b>Intra-Regional Contracts In</b>															
36 Federal Entities	20.6	20.6	20.6	20.6	16.9	16.9	16.9	16.9	16.9	20.6	20.6	20.6	20.6	20.6	19.1
37 Investor Owned Utilities	132	132	115	113	115	117	117	116	113	115	115	129	137	138	122
38 Marketer	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
39 Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
40 Public Utility District	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
<b>41 Total Regional Contracts In</b>	<b>240</b>	<b>240</b>	<b>221</b>	<b>219</b>	<b>218</b>	<b>219</b>	<b>220</b>	<b>219</b>	<b>215</b>	<b>221</b>	<b>221</b>	<b>236</b>	<b>244</b>	<b>246</b>	<b>226</b>

**Table A-4: Regional: Intra-Regional Transfers**

**Operating Year 2026**

**2015 White Book** Report Date: 6/30/2015

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Intra-Regional Transfers</b>															
<b>Contracts</b>	<b>240</b>	<b>240</b>	<b>221</b>	<b>219</b>	<b>217</b>	<b>219</b>	<b>220</b>	<b>219</b>	<b>215</b>	<b>221</b>	<b>221</b>	<b>236</b>	<b>244</b>	<b>246</b>	<b>226</b>
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
5 BPA-P to PPL NSP RIn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA-P to PSE Ops UBkr Repl	0	0	0	0	3.74	3.92	3.92	4.01	0	0	0	0	0	0	1.28
9 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 CIDF to RMP PwrS LTFirm	14.6	14.6	0.25	0	0	0	0	0	0	0	0	11.9	18.5	19.8	5.47
11 DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	7.90	6.60	8.20	8.60	7.20	7.80	10.3	10.3	12.6	13.9	13.8	9.99
13 GHPD to GHP PwrS LTFirm	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
14 JPMV to BPA-P PwrP T2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	9.66
16 Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
18 Other Entities to DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Other Entities to Other Entities	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
20 Other Entities to PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 PGE to PPL PwrS LTFirm	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
23 PPL to BPA-P NSP SOut	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 SCL to POPD PwrS LTFirm	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
28 SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
<b>29 Total Intra-Regional Transfers</b>	<b>240</b>	<b>240</b>	<b>221</b>	<b>219</b>	<b>217</b>	<b>219</b>	<b>220</b>	<b>219</b>	<b>215</b>	<b>221</b>	<b>221</b>	<b>236</b>	<b>244</b>	<b>246</b>	<b>226</b>
<b>Intra-Regional Contracts Out</b>															
30 Federal Entities	9.44	9.44	9.44	9.44	13.2	13.4	13.4	13.4	9.44	9.44	9.44	9.44	9.44	9.44	10.7
31 Investor Owned Utilities	15.2	15.2	14.3	13.9	10.0	10.1	10.3	10.3	10.2	13.7	13.7	14.2	14.6	15.2	12.7
32 Marketer	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129
33 Municipality	58.5	58.5	44.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	55.8	62.4	63.7	49.4
34 Public Utility District	27.5	27.5	24.6	22.6	21.3	22.9	23.3	21.9	22.5	25.0	25.0	27.3	28.6	28.5	24.7
<b>35 Total Regional Contracts Out</b>	<b>240</b>	<b>240</b>	<b>221</b>	<b>219</b>	<b>217</b>	<b>219</b>	<b>220</b>	<b>219</b>	<b>215</b>	<b>221</b>	<b>221</b>	<b>236</b>	<b>244</b>	<b>246</b>	<b>226</b>
<b>Intra-Regional Contracts In</b>															
36 Federal Entities	20.6	20.6	20.6	20.6	16.9	16.9	16.9	16.9	16.9	20.6	20.6	20.6	20.6	20.6	19.1
37 Investor Owned Utilities	132	132	115	113	115	117	117	116	113	115	115	129	137	138	122
38 Marketer	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
39 Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
40 Public Utility District	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
<b>41 Total Regional Contracts In</b>	<b>240</b>	<b>240</b>	<b>221</b>	<b>219</b>	<b>217</b>	<b>219</b>	<b>220</b>	<b>219</b>	<b>215</b>	<b>221</b>	<b>221</b>	<b>236</b>	<b>244</b>	<b>246</b>	<b>226</b>

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**Exhibit 25**  
**Table A-6: BPA Sales to Preference and Legacy Customers**

**Monthly Energy**  
**Operating Year 2017 to 2026**  
**Using 1937-Water Conditions**

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**Table A-6: BPA Sales to Preference and Legacy Customers**  
**Operating Year 2017 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Pacific Northwest</b>															
<b>1 DSI Obligation</b>	<b>91.0</b>	<b>91.0</b>	<b>90.9</b>	<b>91.4</b>	<b>91.2</b>	<b>91.2</b>	<b>91.3</b>	<b>91.0</b>	<b>91.0</b>	<b>91.6</b>	<b>91.2</b>	<b>90.9</b>	<b>90.7</b>	<b>90.7</b>	<b>91.1</b>
2 Direct Service Industry	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.6	91.2	90.9	90.7	90.7	91.1
<b>3 Load Following</b>	<b>3228</b>	<b>3232</b>	<b>2952</b>	<b>2864</b>	<b>3423</b>	<b>3868</b>	<b>3822</b>	<b>3642</b>	<b>3190</b>	<b>3056</b>	<b>3029</b>	<b>2948</b>	<b>3035</b>	<b>3307</b>	<b>3276</b>
4 Cooperative	1962	1964	1726	1588	1866	2135	2094	1997	1742	1693	1679	1720	1834	2036	1865
5 Municipality	547	548	510	514	616	700	691	651	576	545	538	496	495	547	573
6 Public Utility District	616	617	621	661	812	885	887	852	742	706	700	629	611	621	719
7 Federal Entities	103	103	94.9	102	129	148	150	143	129	113	112	103	94.9	104	118
<b>8 Slice Block</b>	<b>1573</b>	<b>1573</b>	<b>1643</b>	<b>1662</b>	<b>2048</b>	<b>2276</b>	<b>2305</b>	<b>2130</b>	<b>1982</b>	<b>1671</b>	<b>1671</b>	<b>1477</b>	<b>1385</b>	<b>1609</b>	<b>1812</b>
9 Municipality	480	480	603	551	768	838	868	822	791	546	546	362	288	466	614
10 Public Utility District	1093	1093	1040	1111	1280	1438	1437	1308	1191	1124	1124	1114	1097	1143	1198
<b>11 Slice Output from T1 System</b>	<b>1927</b>	<b>1702</b>	<b>1568</b>	<b>1656</b>	<b>2102</b>	<b>2031</b>	<b>1651</b>	<b>1750</b>	<b>1750</b>	<b>1652</b>	<b>1531</b>	<b>2345</b>	<b>1864</b>	<b>1746</b>	<b>1823</b>
12 Municipality	647	571	526	556	706	682	554	588	588	555	514	787	626	586	612
13 Public Utility District	1280	1131	1042	1100	1396	1349	1097	1163	1162	1098	1017	1558	1238	1159	1211
<b>14 Tier 1 Block</b>	<b>2.56</b>	<b>2.56</b>	<b>5.29</b>	<b>10.2</b>	<b>46.1</b>	<b>40.4</b>	<b>56.9</b>	<b>55.7</b>	<b>47.7</b>	<b>3.10</b>	<b>3.10</b>	<b>0</b>	<b>0</b>	<b>11.4</b>	<b>23.1</b>
15 Public Utility District	2.56	2.56	5.29	10.2	46.1	40.4	56.9	55.7	47.7	3.10	3.10	0	0	11.4	23.1
<b>16 USBR Obligation</b>	<b>299</b>	<b>299</b>	<b>257</b>	<b>111</b>	<b>37.9</b>	<b>37.6</b>	<b>22.9</b>	<b>25.2</b>	<b>70.9</b>	<b>255</b>	<b>257</b>	<b>330</b>	<b>344</b>	<b>404</b>	<b>184</b>
17 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	255	257	330	344	404	184
<b>Total Power Sales Contracts</b>															
18 Cooperative	1962	1964	1726	1588	1866	2135	2094	1997	1742	1693	1679	1720	1834	2036	1865
19 Direct Service Industry	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.6	91.2	90.9	90.7	90.7	91.1
20 Federal Entities	103	103	94.9	102	129	148	150	143	129	113	112	103	94.9	104	118
21 Municipality	1674	1599	1639	1621	2090	2219	2114	2061	1955	1646	1599	1646	1409	1599	1800
22 Public Utility District	2992	2843	2708	2882	3533	3713	3478	3378	3144	2931	2844	3301	2946	2934	3151
23 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	255	257	330	344	404	184
<b>24 Total Power Sales Contracts</b>	<b>7122</b>	<b>6899</b>	<b>6517</b>	<b>6395</b>	<b>7748</b>	<b>8344</b>	<b>7950</b>	<b>7695</b>	<b>7132</b>	<b>6729</b>	<b>6582</b>	<b>7191</b>	<b>6719</b>	<b>7167</b>	<b>7209</b>

**Table A-6: BPA Sales to Preference and Legacy Customers**

**Operating Year 2018 Water Year: 1937**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Pacific Northwest</b>															
<b>25 DSI Obligation</b>	<b>91.0</b>	<b>91.0</b>	<b>90.9</b>	<b>91.4</b>	<b>91.2</b>	<b>91.2</b>	<b>91.3</b>	<b>91.0</b>	<b>91.0</b>	<b>91.2</b>	<b>91.6</b>	<b>90.9</b>	<b>90.7</b>	<b>90.7</b>	<b>91.1</b>
26 Direct Service Industry	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.2	91.6	90.9	90.7	90.7	91.1
<b>27 Load Following</b>	<b>3243</b>	<b>3246</b>	<b>2966</b>	<b>2878</b>	<b>3430</b>	<b>3865</b>	<b>3867</b>	<b>3681</b>	<b>3242</b>	<b>3059</b>	<b>3086</b>	<b>2975</b>	<b>3064</b>	<b>3341</b>	<b>3301</b>
28 Cooperative	1968	1970	1732	1581	1861	2129	2086	1989	1734	1670	1684	1711	1826	2028	1860
29 Municipality	548	549	511	519	620	695	721	680	606	568	574	526	523	577	591
30 Public Utility District	621	621	626	674	816	888	907	865	771	707	713	633	618	630	729
31 Federal Entities	106	106	97.5	105	133	153	153	146	132	114	115	105	97.0	106	121
<b>32 Slice Block</b>	<b>1603</b>	<b>1603</b>	<b>1673</b>	<b>1661</b>	<b>2045</b>	<b>2274</b>	<b>2303</b>	<b>2128</b>	<b>1980</b>	<b>1670</b>	<b>1670</b>	<b>1476</b>	<b>1386</b>	<b>1607</b>	<b>1816</b>
33 Municipality	487	487	611	548	762	832	862	817	785	544	544	361	288	464	612
34 Public Utility District	1116	1116	1063	1113	1283	1442	1441	1311	1194	1126	1126	1115	1098	1143	1204
<b>35 Slice Output from T1 System</b>	<b>1925</b>	<b>1701</b>	<b>1576</b>	<b>1650</b>	<b>2111</b>	<b>2039</b>	<b>1663</b>	<b>1761</b>	<b>1752</b>	<b>1577</b>	<b>1426</b>	<b>2405</b>	<b>2109</b>	<b>1755</b>	<b>1845</b>
36 Municipality	646	571	529	554	709	685	559	591	588	529	479	807	708	589	620
37 Public Utility District	1279	1130	1047	1096	1402	1354	1105	1170	1164	1047	947	1597	1401	1166	1226
<b>38 Tier 1 Block</b>	<b>11.7</b>	<b>11.7</b>	<b>24.1</b>	<b>10.2</b>	<b>46.2</b>	<b>40.5</b>	<b>57.0</b>	<b>55.8</b>	<b>47.8</b>	<b>3.10</b>	<b>3.10</b>	<b>0</b>	<b>0</b>	<b>11.4</b>	<b>25.5</b>
39 Public Utility District	11.7	11.7	24.1	10.2	46.2	40.5	57.0	55.8	47.8	3.10	3.10	0	0	11.4	25.5
<b>40 USBR Obligation</b>	<b>299</b>	<b>299</b>	<b>257</b>	<b>111</b>	<b>37.9</b>	<b>37.6</b>	<b>22.9</b>	<b>25.2</b>	<b>70.9</b>	<b>257</b>	<b>255</b>	<b>330</b>	<b>344</b>	<b>404</b>	<b>184</b>
41 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	257	255	330	344	404	184
<b>Total Power Sales Contracts</b>															
42 Cooperative	1968	1970	1732	1581	1861	2129	2086	1989	1734	1670	1684	1711	1826	2028	1860
43 Direct Service Industry	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.2	91.6	90.9	90.7	90.7	91.1
44 Federal Entities	106	106	97.5	105	133	153	153	146	132	114	115	105	97.0	106	121
45 Municipality	1681	1607	1650	1621	2091	2211	2141	2089	1979	1641	1597	1694	1518	1630	1823
46 Public Utility District	3027	2879	2759	2893	3546	3725	3509	3402	3176	2884	2790	3346	3116	2950	3184
47 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	257	255	330	344	404	184
<b>48 Total Power Sales Contracts</b>	<b>7173</b>	<b>6952</b>	<b>6587</b>	<b>6402</b>	<b>7761</b>	<b>8347</b>	<b>8004</b>	<b>7742</b>	<b>7183</b>	<b>6657</b>	<b>6532</b>	<b>7278</b>	<b>6993</b>	<b>7208</b>	<b>7262</b>

**Table A-6: BPA Sales to Preference and Legacy Customers**

**Operating Year 2019 Water Year: 1937**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Pacific Northwest</b>															
<b>49 DSI Obligation</b>	<b>91.0</b>	<b>91.0</b>	<b>90.9</b>	<b>91.4</b>	<b>91.2</b>	<b>91.2</b>	<b>91.3</b>	<b>91.0</b>	<b>91.0</b>	<b>91.4</b>	<b>91.4</b>	<b>90.9</b>	<b>90.7</b>	<b>90.7</b>	<b>91.1</b>
50 Direct Service Industry	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
<b>51 Load Following</b>	<b>3277</b>	<b>3281</b>	<b>2988</b>	<b>2904</b>	<b>3460</b>	<b>3896</b>	<b>3911</b>	<b>3722</b>	<b>3276</b>	<b>3099</b>	<b>3099</b>	<b>3001</b>	<b>3089</b>	<b>3369</b>	<b>3332</b>
52 Cooperative	1960	1962	1722	1577	1859	2128	2086	1991	1733	1673	1673	1710	1826	2028	1858
53 Municipality	578	578	536	545	648	723	723	683	607	572	572	527	524	578	603
54 Public Utility District	631	632	629	675	817	890	909	867	772	711	711	634	619	631	731
55 Federal Entities	109	109	99.6	107	136	156	193	182	163	142	142	130	121	132	139
<b>56 Slice Block</b>	<b>1601</b>	<b>1601</b>	<b>1671</b>	<b>1681</b>	<b>2070</b>	<b>2302</b>	<b>2331</b>	<b>2154</b>	<b>2004</b>	<b>1690</b>	<b>1690</b>	<b>1495</b>	<b>1403</b>	<b>1627</b>	<b>1835</b>
57 Municipality	485	485	607	554	770	841	871	826	794	550	550	365	291	469	618
58 Public Utility District	1116	1116	1064	1127	1299	1461	1460	1329	1210	1141	1141	1130	1112	1157	1217
<b>59 Slice Output from T1 System</b>	<b>1910</b>	<b>1695</b>	<b>1569</b>	<b>1652</b>	<b>2112</b>	<b>2040</b>	<b>1665</b>	<b>1762</b>	<b>1752</b>	<b>1577</b>	<b>1433</b>	<b>2218</b>	<b>1831</b>	<b>1730</b>	<b>1804</b>
60 Municipality	641	569	527	555	709	685	559	592	588	529	481	745	615	581	606
61 Public Utility District	1268	1126	1042	1098	1403	1355	1106	1171	1164	1047	952	1473	1216	1149	1198
<b>62 Tier 1 Block</b>	<b>11.7</b>	<b>11.7</b>	<b>24.2</b>	<b>10.2</b>	<b>46.2</b>	<b>40.5</b>	<b>57.0</b>	<b>55.8</b>	<b>47.8</b>	<b>3.10</b>	<b>3.10</b>	<b>0</b>	<b>0</b>	<b>11.4</b>	<b>25.5</b>
63 Public Utility District	11.7	11.7	24.2	10.2	46.2	40.5	57.0	55.8	47.8	3.10	3.10	0	0	11.4	25.5
<b>64 USBR Obligation</b>	<b>299</b>	<b>299</b>	<b>257</b>	<b>111</b>	<b>37.9</b>	<b>37.6</b>	<b>22.9</b>	<b>25.2</b>	<b>70.9</b>	<b>256</b>	<b>256</b>	<b>330</b>	<b>344</b>	<b>404</b>	<b>184</b>
65 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
<b>Total Power Sales Contracts</b>															
66 Cooperative	1960	1962	1722	1577	1859	2128	2086	1991	1733	1673	1673	1710	1826	2028	1858
67 Direct Service Industry	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
68 Federal Entities	109	109	99.6	107	136	156	193	182	163	142	142	130	121	132	139
69 Municipality	1703	1632	1670	1654	2127	2248	2153	2100	1990	1651	1603	1637	1430	1628	1827
70 Public Utility District	3028	2886	2759	2910	3566	3747	3531	3422	3194	2902	2807	3237	2947	2949	3172
71 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
<b>72 Total Power Sales Contracts</b>	<b>7190</b>	<b>6978</b>	<b>6600</b>	<b>6450</b>	<b>7817</b>	<b>8408</b>	<b>8078</b>	<b>7811</b>	<b>7241</b>	<b>6716</b>	<b>6573</b>	<b>7135</b>	<b>6759</b>	<b>7231</b>	<b>7270</b>

**Table A-6: BPA Sales to Preference and Legacy Customers**

**Operating Year 2020 Water Year: 1937**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Pacific Northwest</b>															
<b>73 DSI Obligation</b>	<b>91.0</b>	<b>91.0</b>	<b>90.9</b>	<b>91.4</b>	<b>91.2</b>	<b>91.2</b>	<b>91.3</b>	<b>91.0</b>	<b>91.0</b>	<b>91.4</b>	<b>91.4</b>	<b>90.9</b>	<b>90.7</b>	<b>90.7</b>	<b>91.1</b>
74 Direct Service Industry	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
<b>75 Load Following</b>	<b>3305</b>	<b>3309</b>	<b>3013</b>	<b>2916</b>	<b>3482</b>	<b>3928</b>	<b>3900</b>	<b>3637</b>	<b>3263</b>	<b>3086</b>	<b>3086</b>	<b>2989</b>	<b>3083</b>	<b>3364</b>	<b>3331</b>
76 Cooperative	1959	1961	1722	1553	1836	2106	2064	1917	1709	1650	1650	1688	1809	2012	1836
77 Municipality	579	580	538	550	653	729	729	679	613	578	578	532	530	584	608
78 Public Utility District	632	633	630	680	822	895	914	864	778	716	716	639	623	636	736
79 Federal Entities	134	135	123	133	171	198	193	178	163	142	142	130	121	132	151
<b>80 Slice Block</b>	<b>1621</b>	<b>1621</b>	<b>1691</b>	<b>1669</b>	<b>2055</b>	<b>2285</b>	<b>2314</b>	<b>2065</b>	<b>1990</b>	<b>1678</b>	<b>1678</b>	<b>1484</b>	<b>1393</b>	<b>1615</b>	<b>1822</b>
81 Municipality	490	490	613	550	765	835	866	792	789	546	546	362	289	466	613
82 Public Utility District	1130	1130	1078	1119	1290	1450	1449	1273	1201	1133	1133	1122	1104	1149	1208
<b>83 Slice Output from T1 System</b>	<b>1911</b>	<b>1696</b>	<b>1570</b>	<b>1656</b>	<b>2144</b>	<b>2072</b>	<b>1697</b>	<b>1795</b>	<b>1769</b>	<b>1594</b>	<b>1450</b>	<b>2406</b>	<b>2112</b>	<b>1760</b>	<b>1859</b>
84 Municipality	642	569	527	556	720	696	570	603	594	535	487	808	709	591	624
85 Public Utility District	1269	1127	1043	1100	1424	1377	1127	1192	1175	1059	963	1598	1403	1169	1235
<b>86 Tier 1 Block</b>	<b>11.7</b>	<b>11.7</b>	<b>24.2</b>	<b>10.6</b>	<b>47.9</b>	<b>42.0</b>	<b>59.1</b>	<b>55.9</b>	<b>49.6</b>	<b>3.22</b>	<b>3.22</b>	<b>0</b>	<b>0</b>	<b>11.8</b>	<b>26.3</b>
87 Public Utility District	11.7	11.7	24.2	10.6	47.9	42.0	59.1	55.9	49.6	3.22	3.22	0	0	11.8	26.3
<b>88 USBR Obligation</b>	<b>299</b>	<b>299</b>	<b>257</b>	<b>111</b>	<b>37.9</b>	<b>37.6</b>	<b>22.9</b>	<b>25.2</b>	<b>70.9</b>	<b>256</b>	<b>256</b>	<b>330</b>	<b>344</b>	<b>404</b>	<b>183</b>
89 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	183
<b>Total Power Sales Contracts</b>															
90 Cooperative	1959	1961	1722	1553	1836	2106	2064	1917	1709	1650	1650	1688	1809	2012	1836
91 Direct Service Industry	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
92 Federal Entities	134	135	123	133	171	198	193	178	163	142	142	130	121	132	151
93 Municipality	1711	1640	1678	1656	2139	2259	2165	2073	1996	1659	1611	1703	1528	1641	1845
94 Public Utility District	3044	2902	2775	2910	3585	3764	3549	3385	3203	2911	2815	3359	3130	2966	3205
95 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	183
<b>96 Total Power Sales Contracts</b>	<b>7239</b>	<b>7027</b>	<b>6646</b>	<b>6454</b>	<b>7859</b>	<b>8457</b>	<b>8085</b>	<b>7669</b>	<b>7234</b>	<b>6709</b>	<b>6566</b>	<b>7300</b>	<b>7023</b>	<b>7245</b>	<b>7313</b>

**Table A-6: BPA Sales to Preference and Legacy Customers**

**Operating Year 2021 Water Year: 1937**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Pacific Northwest</b>															
<b>97 DSI Obligation</b>	<b>91.1</b>	<b>90.8</b>	<b>90.9</b>	<b>91.4</b>	<b>91.2</b>	<b>91.2</b>	<b>91.3</b>	<b>91.0</b>	<b>91.0</b>	<b>91.4</b>	<b>91.4</b>	<b>90.9</b>	<b>90.7</b>	<b>90.7</b>	<b>91.1</b>
98 Direct Service Industry	91.1	90.8	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
<b>99 Load Following</b>	<b>3317</b>	<b>3288</b>	<b>3004</b>	<b>2916</b>	<b>3484</b>	<b>3931</b>	<b>3907</b>	<b>3719</b>	<b>3267</b>	<b>3091</b>	<b>3091</b>	<b>2992</b>	<b>3087</b>	<b>3370</b>	<b>3338</b>
100 Cooperative	1952	1936	1702	1547	1831	2102	2063	1968	1707	1648	1648	1686	1807	2012	1835
101 Municipality	589	583	543	554	658	733	733	693	617	581	581	535	533	588	613
102 Public Utility District	640	635	635	682	825	898	917	875	780	719	719	641	625	638	739
103 Federal Entities	135	134	123	133	171	198	193	183	163	142	142	130	121	132	152
<b>104 Slice Block</b>	<b>1609</b>	<b>1609</b>	<b>1679</b>	<b>1703</b>	<b>2097</b>	<b>2332</b>	<b>2362</b>	<b>2183</b>	<b>2030</b>	<b>1713</b>	<b>1713</b>	<b>1515</b>	<b>1421</b>	<b>1648</b>	<b>1856</b>
105 Municipality	487	487	609	561	780	852	883	837	804	557	557	370	295	475	625
106 Public Utility District	1123	1123	1070	1142	1316	1480	1479	1346	1226	1156	1156	1145	1126	1173	1232
<b>107 Slice Output from T1 System</b>	<b>1910</b>	<b>1700</b>	<b>1574</b>	<b>1655</b>	<b>2142</b>	<b>2073</b>	<b>1695</b>	<b>1794</b>	<b>1770</b>	<b>1593</b>	<b>1449</b>	<b>2210</b>	<b>1829</b>	<b>1732</b>	<b>1817</b>
108 Municipality	641	571	529	556	719	696	569	602	594	535	487	742	614	582	610
109 Public Utility District	1269	1129	1046	1099	1423	1377	1126	1192	1176	1058	963	1468	1215	1151	1207
<b>110 Tier 1 Block</b>	<b>12.1</b>	<b>12.1</b>	<b>25.1</b>	<b>10.3</b>	<b>46.4</b>	<b>40.8</b>	<b>57.4</b>	<b>56.2</b>	<b>48.1</b>	<b>3.12</b>	<b>3.12</b>	<b>0</b>	<b>0</b>	<b>11.5</b>	<b>25.7</b>
111 Public Utility District	12.1	12.1	25.1	10.3	46.4	40.8	57.4	56.2	48.1	3.12	3.12	0	0	11.5	25.7
<b>112 USBR Obligation</b>	<b>296</b>	<b>302</b>	<b>257</b>	<b>111</b>	<b>37.9</b>	<b>37.6</b>	<b>22.9</b>	<b>25.2</b>	<b>70.9</b>	<b>256</b>	<b>256</b>	<b>330</b>	<b>344</b>	<b>404</b>	<b>184</b>
113 USBR	296	302	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
<b>Total Power Sales Contracts</b>															
114 Cooperative	1952	1936	1702	1547	1831	2102	2063	1968	1707	1648	1648	1686	1807	2012	1835
115 Direct Service Industry	91.1	90.8	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
116 Federal Entities	135	134	123	133	171	198	193	183	163	142	142	130	121	132	152
117 Municipality	1717	1640	1681	1671	2157	2281	2186	2132	2016	1673	1625	1648	1442	1645	1848
118 Public Utility District	3044	2899	2776	2934	3611	3796	3579	3469	3230	2936	2841	3254	2967	2973	3203
119 USBR	296	302	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
<b>120 Total Power Sales Contracts</b>	<b>7235</b>	<b>7002</b>	<b>6631</b>	<b>6487</b>	<b>7899</b>	<b>8507</b>	<b>8136</b>	<b>7868</b>	<b>7277</b>	<b>6747</b>	<b>6604</b>	<b>7139</b>	<b>6772</b>	<b>7256</b>	<b>7313</b>

**Table A-6: BPA Sales to Preference and Legacy Customers**

**Operating Year 2022 Water Year: 1937**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Pacific Northwest</b>															
<b>121 DSI Obligation</b>	<b>90.8</b>	<b>91.2</b>	<b>90.9</b>	<b>91.4</b>	<b>91.2</b>	<b>91.2</b>	<b>91.3</b>	<b>91.0</b>	<b>91.0</b>	<b>91.4</b>	<b>91.4</b>	<b>90.9</b>	<b>90.7</b>	<b>90.7</b>	<b>91.1</b>
122 Direct Service Industry	90.8	91.2	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
<b>123 Load Following</b>	<b>3287</b>	<b>3327</b>	<b>3006</b>	<b>2919</b>	<b>3489</b>	<b>3938</b>	<b>3910</b>	<b>3722</b>	<b>3268</b>	<b>3091</b>	<b>3091</b>	<b>2992</b>	<b>3087</b>	<b>3371</b>	<b>3341</b>
124 Cooperative	1932	1954	1699	1544	1829	2101	2059	1964	1701	1642	1642	1680	1801	2007	1831
125 Municipality	585	594	547	557	661	737	737	697	620	585	585	539	536	591	616
126 Public Utility District	636	643	637	685	828	901	920	878	783	722	722	643	628	640	741
127 Federal Entities	134	136	124	133	171	199	194	184	164	143	143	130	122	133	152
<b>128 Slice Block</b>	<b>1642</b>	<b>1642</b>	<b>1713</b>	<b>1667</b>	<b>2053</b>	<b>2283</b>	<b>2312</b>	<b>2136</b>	<b>1987</b>	<b>1676</b>	<b>1676</b>	<b>1483</b>	<b>1391</b>	<b>1613</b>	<b>1829</b>
129 Municipality	497	497	621	550	764	834	865	819	788	545	545	362	289	466	616
130 Public Utility District	1145	1145	1092	1118	1289	1449	1447	1317	1199	1131	1131	1120	1102	1148	1213
<b>131 Slice Output from T1 System</b>	<b>1915</b>	<b>1695</b>	<b>1574</b>	<b>1653</b>	<b>2142</b>	<b>2071</b>	<b>1693</b>	<b>1792</b>	<b>1769</b>	<b>1593</b>	<b>1449</b>	<b>2399</b>	<b>2107</b>	<b>1757</b>	<b>1857</b>
132 Municipality	643	569	529	555	719	695	568	602	594	535	487	806	707	590	624
133 Public Utility District	1272	1126	1046	1098	1423	1375	1124	1190	1175	1058	963	1594	1399	1167	1234
<b>134 Tier 1 Block</b>	<b>11.8</b>	<b>11.8</b>	<b>24.3</b>	<b>10.4</b>	<b>47.2</b>	<b>41.5</b>	<b>58.4</b>	<b>57.1</b>	<b>48.9</b>	<b>3.17</b>	<b>3.17</b>	<b>0</b>	<b>0</b>	<b>11.7</b>	<b>26.0</b>
135 Public Utility District	11.8	11.8	24.3	10.4	47.2	41.5	58.4	57.1	48.9	3.17	3.17	0	0	11.7	26.0
<b>136 USBR Obligation</b>	<b>303</b>	<b>296</b>	<b>257</b>	<b>111</b>	<b>37.9</b>	<b>37.6</b>	<b>22.9</b>	<b>25.2</b>	<b>70.9</b>	<b>256</b>	<b>256</b>	<b>330</b>	<b>344</b>	<b>404</b>	<b>184</b>
137 USBR	303	296	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
<b>Total Power Sales Contracts</b>															
138 Cooperative	1932	1954	1699	1544	1829	2101	2059	1964	1701	1642	1642	1680	1801	2007	1831
139 Direct Service Industry	90.8	91.2	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
140 Federal Entities	134	136	124	133	171	199	194	184	164	143	143	130	122	133	152
141 Municipality	1725	1659	1697	1662	2145	2267	2170	2117	2002	1665	1617	1706	1532	1647	1855
142 Public Utility District	3065	2926	2799	2911	3587	3767	3550	3443	3206	2914	2818	3357	3129	2966	3214
143 USBR	303	296	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
<b>144 Total Power Sales Contracts</b>	<b>7249</b>	<b>7062</b>	<b>6666</b>	<b>6453</b>	<b>7861</b>	<b>8462</b>	<b>8087</b>	<b>7824</b>	<b>7235</b>	<b>6711</b>	<b>6567</b>	<b>7295</b>	<b>7020</b>	<b>7247</b>	<b>7328</b>

**Table A-6: BPA Sales to Preference and Legacy Customers**

**Operating Year 2023 Water Year: 1937**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Pacific Northwest</b>															
<b>145 DSI Obligation</b>	<b>91.0</b>	<b>91.0</b>	<b>90.9</b>	<b>91.4</b>	<b>91.2</b>	<b>91.2</b>	<b>91.3</b>	<b>91.0</b>	<b>91.0</b>	<b>91.6</b>	<b>91.2</b>	<b>90.9</b>	<b>90.7</b>	<b>90.7</b>	<b>91.1</b>
146 Direct Service Industry	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.6	91.2	90.9	90.7	90.7	91.1
<b>147 Load Following</b>	<b>3306</b>	<b>3310</b>	<b>3006</b>	<b>2930</b>	<b>3503</b>	<b>3954</b>	<b>3926</b>	<b>3738</b>	<b>3281</b>	<b>3118</b>	<b>3090</b>	<b>3004</b>	<b>3100</b>	<b>3385</b>	<b>3352</b>
148 Cooperative	1937	1939	1693	1550	1837	2110	2068	1973	1708	1656	1642	1686	1809	2015	1836
149 Municipality	593	593	550	559	664	741	741	700	623	591	585	542	539	595	619
150 Public Utility District	641	642	639	687	831	904	923	881	785	727	721	646	630	642	744
151 Federal Entities	135	136	124	134	172	199	194	184	164	143	143	131	122	133	153
<b>152 Slice Block</b>	<b>1607</b>	<b>1607</b>	<b>1677</b>	<b>1705</b>	<b>2099</b>	<b>2335</b>	<b>2365</b>	<b>2185</b>	<b>2032</b>	<b>1715</b>	<b>1715</b>	<b>1517</b>	<b>1423</b>	<b>1650</b>	<b>1858</b>
153 Municipality	486	486	608	562	781	853	884	838	805	558	558	371	296	477	626
154 Public Utility District	1121	1121	1068	1143	1318	1482	1480	1347	1227	1157	1157	1146	1127	1173	1232
<b>155 Slice Output from T1 System</b>	<b>1913</b>	<b>1697</b>	<b>1572</b>	<b>1653</b>	<b>2143</b>	<b>2071</b>	<b>1693</b>	<b>1792</b>	<b>1770</b>	<b>1589</b>	<b>1451</b>	<b>2212</b>	<b>1829</b>	<b>1730</b>	<b>1816</b>
156 Municipality	642	570	528	555	719	695	568	602	594	533	487	743	614	581	610
157 Public Utility District	1270	1127	1045	1098	1423	1376	1124	1190	1175	1055	964	1470	1215	1149	1207
<b>158 Tier 1 Block</b>	<b>12.0</b>	<b>12.0</b>	<b>24.8</b>	<b>10.6</b>	<b>48.0</b>	<b>42.2</b>	<b>59.3</b>	<b>58.1</b>	<b>49.7</b>	<b>3.23</b>	<b>3.23</b>	<b>0</b>	<b>0</b>	<b>11.9</b>	<b>26.5</b>
159 Public Utility District	12.0	12.0	24.8	10.6	48.0	42.2	59.3	58.1	49.7	3.23	3.23	0	0	11.9	26.5
<b>160 USBR Obligation</b>	<b>299</b>	<b>299</b>	<b>257</b>	<b>111</b>	<b>37.9</b>	<b>37.6</b>	<b>22.9</b>	<b>25.2</b>	<b>70.9</b>	<b>255</b>	<b>257</b>	<b>330</b>	<b>344</b>	<b>404</b>	<b>184</b>
161 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	255	257	330	344	404	184
<b>Total Power Sales Contracts</b>															
162 Cooperative	1937	1939	1693	1550	1837	2110	2068	1973	1708	1656	1642	1686	1809	2015	1836
163 Direct Service Industry	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.6	91.2	90.9	90.7	90.7	91.1
164 Federal Entities	135	136	124	134	172	199	194	184	164	143	143	131	122	133	153
165 Municipality	1721	1650	1686	1677	2165	2289	2194	2140	2023	1682	1630	1655	1449	1652	1855
166 Public Utility District	3045	2903	2777	2939	3620	3804	3587	3477	3237	2942	2845	3261	2972	2977	3209
167 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	255	257	330	344	404	184
<b>168 Total Power Sales Contracts</b>	<b>7229</b>	<b>7016</b>	<b>6628</b>	<b>6502</b>	<b>7922</b>	<b>8531</b>	<b>8157</b>	<b>7890</b>	<b>7295</b>	<b>6771</b>	<b>6608</b>	<b>7155</b>	<b>6787</b>	<b>7271</b>	<b>7328</b>



**Table A-6: BPA Sales to Preference and Legacy Customers**

**Operating Year 2024 Water Year: 1937**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Pacific Northwest</b>															
<b>169 DSI Obligation</b>	<b>91.0</b>	<b>91.0</b>	<b>90.9</b>	<b>91.4</b>	<b>91.2</b>	<b>91.2</b>	<b>91.3</b>	<b>91.0</b>	<b>91.0</b>	<b>91.4</b>	<b>91.4</b>	<b>90.9</b>	<b>90.7</b>	<b>90.7</b>	<b>91.1</b>
170 Direct Service Industry	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
<b>171 Load Following</b>	<b>3320</b>	<b>3324</b>	<b>3018</b>	<b>2945</b>	<b>3520</b>	<b>3972</b>	<b>3944</b>	<b>3678</b>	<b>3296</b>	<b>3118</b>	<b>3118</b>	<b>3018</b>	<b>3114</b>	<b>3401</b>	<b>3362</b>
172 Cooperative	1945	1946	1699	1559	1847	2121	2079	1930	1717	1658	1658	1695	1818	2025	1842
173 Municipality	596	597	553	562	668	745	745	693	626	590	590	544	541	598	622
174 Public Utility District	644	644	642	690	833	907	926	875	788	727	727	648	632	645	746
175 Federal Entities	136	136	124	134	172	200	195	180	165	143	143	131	122	134	153
<b>176 Slice Block</b>	<b>1644</b>	<b>1644</b>	<b>1715</b>	<b>1661</b>	<b>2044</b>	<b>2275</b>	<b>2303</b>	<b>2055</b>	<b>1979</b>	<b>1670</b>	<b>1670</b>	<b>1478</b>	<b>1386</b>	<b>1607</b>	<b>1818</b>
177 Municipality	498	498	622	548	761	831	862	788	785	544	544	362	289	465	613
178 Public Utility District	1146	1146	1092	1113	1283	1443	1442	1267	1194	1126	1126	1116	1097	1142	1205
<b>179 Slice Output from T1 System</b>	<b>1913</b>	<b>1698</b>	<b>1573</b>	<b>1655</b>	<b>2145</b>	<b>2072</b>	<b>1696</b>	<b>1794</b>	<b>1770</b>	<b>1595</b>	<b>1452</b>	<b>2403</b>	<b>2108</b>	<b>1760</b>	<b>1859</b>
180 Municipality	642	570	528	556	720	696	569	602	594	536	487	807	708	591	624
181 Public Utility District	1271	1128	1045	1100	1425	1376	1127	1192	1176	1060	964	1596	1400	1169	1235
<b>182 Tier 1 Block</b>	<b>12.2</b>	<b>12.2</b>	<b>25.2</b>	<b>10.3</b>	<b>46.4</b>	<b>40.7</b>	<b>57.3</b>	<b>54.2</b>	<b>48.0</b>	<b>3.12</b>	<b>3.12</b>	<b>0</b>	<b>0</b>	<b>11.5</b>	<b>25.7</b>
183 Public Utility District	12.2	12.2	25.2	10.3	46.4	40.7	57.3	54.2	48.0	3.12	3.12	0	0	11.5	25.7
<b>184 USBR Obligation</b>	<b>299</b>	<b>299</b>	<b>257</b>	<b>111</b>	<b>37.9</b>	<b>37.6</b>	<b>22.9</b>	<b>25.2</b>	<b>70.9</b>	<b>256</b>	<b>256</b>	<b>330</b>	<b>344</b>	<b>404</b>	<b>183</b>
185 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	183
<b>Total Power Sales Contracts</b>															
186 Cooperative	1945	1946	1699	1559	1847	2121	2079	1930	1717	1658	1658	1695	1818	2025	1842
187 Direct Service Industry	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
188 Federal Entities	136	136	124	134	172	200	195	180	165	143	143	131	122	134	153
189 Municipality	1736	1665	1703	1666	2149	2272	2176	2084	2005	1670	1622	1712	1538	1653	1859
190 Public Utility District	3072	2930	2804	2912	3588	3767	3551	3388	3206	2915	2820	3360	3129	2968	3212
191 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	183
<b>192 Total Power Sales Contracts</b>	<b>7279</b>	<b>7067</b>	<b>6679</b>	<b>6474</b>	<b>7885</b>	<b>8488</b>	<b>8115</b>	<b>7698</b>	<b>7256</b>	<b>6734</b>	<b>6591</b>	<b>7320</b>	<b>7043</b>	<b>7274</b>	<b>7340</b>

**Table A-6: BPA Sales to Preference and Legacy Customers**

**Operating Year 2025 Water Year: 1937**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Pacific Northwest</b>															
<b>193 DSI Obligation</b>	<b>91.0</b>	<b>91.0</b>	<b>90.9</b>	<b>91.4</b>	<b>91.2</b>	<b>91.2</b>	<b>91.3</b>	<b>91.0</b>	<b>91.0</b>	<b>91.4</b>	<b>91.4</b>	<b>90.9</b>	<b>90.7</b>	<b>90.7</b>	<b>91.1</b>
194 Direct Service Industry	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
<b>195 Load Following</b>	<b>3336</b>	<b>3339</b>	<b>3032</b>	<b>2959</b>	<b>3537</b>	<b>3991</b>	<b>3962</b>	<b>3774</b>	<b>3312</b>	<b>3133</b>	<b>3133</b>	<b>3032</b>	<b>3129</b>	<b>3417</b>	<b>3383</b>
196 Cooperative	1955	1956	1708	1569	1859	2134	2091	1997	1728	1669	1669	1706	1829	2037	1857
197 Municipality	599	600	555	564	670	748	748	706	629	592	592	546	544	600	625
198 Public Utility District	646	647	644	691	835	908	928	886	790	728	728	649	633	646	748
199 Federal Entities	136	136	125	134	173	200	195	185	165	144	144	132	123	134	154
<b>200 Slice Block</b>	<b>1601</b>	<b>1601</b>	<b>1670</b>	<b>1713</b>	<b>2108</b>	<b>2345</b>	<b>2375</b>	<b>2194</b>	<b>2040</b>	<b>1722</b>	<b>1722</b>	<b>1524</b>	<b>1430</b>	<b>1657</b>	<b>1864</b>
201 Municipality	486	486	607	565	784	857	888	842	809	561	561	373	299	480	628
202 Public Utility District	1116	1116	1063	1147	1323	1489	1487	1353	1231	1161	1161	1151	1131	1177	1236
<b>203 Slice Output from T1 System</b>	<b>1915</b>	<b>1699</b>	<b>1574</b>	<b>1656</b>	<b>2144</b>	<b>2071</b>	<b>1696</b>	<b>1795</b>	<b>1770</b>	<b>1595</b>	<b>1451</b>	<b>2214</b>	<b>1829</b>	<b>1733</b>	<b>1818</b>
204 Municipality	643	571	528	556	720	695	569	603	594	536	487	743	614	582	610
205 Public Utility District	1272	1129	1045	1100	1424	1376	1127	1192	1176	1059	964	1471	1215	1151	1208
<b>206 Tier 1 Block</b>	<b>11.8</b>	<b>11.8</b>	<b>24.3</b>	<b>10.2</b>	<b>46.2</b>	<b>40.6</b>	<b>57.1</b>	<b>55.9</b>	<b>47.9</b>	<b>3.11</b>	<b>3.11</b>	<b>0</b>	<b>0</b>	<b>11.4</b>	<b>25.6</b>
207 Public Utility District	11.8	11.8	24.3	10.2	46.2	40.6	57.1	55.9	47.9	3.11	3.11	0	0	11.4	25.6
<b>208 USBR Obligation</b>	<b>299</b>	<b>299</b>	<b>257</b>	<b>111</b>	<b>37.9</b>	<b>37.6</b>	<b>22.9</b>	<b>25.2</b>	<b>70.9</b>	<b>256</b>	<b>256</b>	<b>330</b>	<b>344</b>	<b>404</b>	<b>184</b>
209 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
<b>Total Power Sales Contracts</b>															
210 Cooperative	1955	1956	1708	1569	1859	2134	2091	1997	1728	1669	1669	1706	1829	2037	1857
211 Direct Service Industry	91.0	91.0	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
212 Federal Entities	136	136	125	134	173	200	195	185	165	144	144	132	123	134	154
213 Municipality	1727	1656	1690	1686	2175	2300	2205	2151	2032	1689	1641	1663	1457	1662	1864
214 Public Utility District	3045	2903	2777	2949	3629	3814	3598	3487	3245	2952	2856	3271	2979	2986	3217
215 USBR	299	299	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
<b>216 Total Power Sales Contracts</b>	<b>7254</b>	<b>7041</b>	<b>6649</b>	<b>6541</b>	<b>7965</b>	<b>8577</b>	<b>8204</b>	<b>7935</b>	<b>7332</b>	<b>6801</b>	<b>6658</b>	<b>7192</b>	<b>6823</b>	<b>7313</b>	<b>7366</b>

**Table A-6: BPA Sales to Preference and Legacy Customers**

**Operating Year 2026 Water Year: 1937**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Pacific Northwest</b>															
<b>217 DSI Obligation</b>	<b>91.1</b>	<b>90.8</b>	<b>90.9</b>	<b>91.4</b>	<b>91.2</b>	<b>91.2</b>	<b>91.3</b>	<b>91.0</b>	<b>91.0</b>	<b>91.4</b>	<b>91.4</b>	<b>90.9</b>	<b>90.7</b>	<b>90.7</b>	<b>91.1</b>
218 Direct Service Industry	91.1	90.8	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
<b>219 Load Following</b>	<b>3368</b>	<b>3339</b>	<b>3047</b>	<b>2971</b>	<b>3551</b>	<b>4006</b>	<b>3977</b>	<b>3789</b>	<b>3325</b>	<b>3146</b>	<b>3146</b>	<b>3044</b>	<b>3141</b>	<b>3430</b>	<b>3397</b>
220 Cooperative	1976	1959	1719	1576	1867	2143	2100	2005	1736	1676	1676	1713	1836	2045	1865
221 Municipality	605	599	558	567	673	751	751	710	631	595	595	548	546	603	628
222 Public Utility District	650	645	645	694	838	911	930	889	792	731	731	651	635	648	750
223 Federal Entities	137	136	125	135	173	201	196	186	166	144	144	132	123	134	154
<b>224 Slice Block</b>	<b>1651</b>	<b>1651</b>	<b>1721</b>	<b>1653</b>	<b>2036</b>	<b>2265</b>	<b>2294</b>	<b>2119</b>	<b>1970</b>	<b>1662</b>	<b>1662</b>	<b>1473</b>	<b>1381</b>	<b>1600</b>	<b>1818</b>
225 Municipality	501	501	625	545	756	825	856	811	779	540	540	359	288	462	611
226 Public Utility District	1150	1150	1096	1109	1280	1440	1438	1308	1190	1122	1122	1113	1093	1138	1206
<b>227 Slice Output from T1 System</b>	<b>1911</b>	<b>1701</b>	<b>1574</b>	<b>1661</b>	<b>2149</b>	<b>2076</b>	<b>1701</b>	<b>1799</b>	<b>1775</b>	<b>1600</b>	<b>1456</b>	<b>2407</b>	<b>2112</b>	<b>1765</b>	<b>1863</b>
228 Municipality	642	571	528	558	722	697	571	604	596	537	489	808	709	593	626
229 Public Utility District	1270	1130	1045	1103	1428	1379	1130	1195	1179	1063	967	1599	1403	1172	1238
<b>230 Tier 1 Block</b>	<b>11.7</b>	<b>11.7</b>	<b>24.2</b>	<b>10.1</b>	<b>45.8</b>	<b>40.3</b>	<b>56.7</b>	<b>55.5</b>	<b>47.5</b>	<b>3.08</b>	<b>3.08</b>	<b>0</b>	<b>0</b>	<b>11.3</b>	<b>25.3</b>
231 Public Utility District	11.7	11.7	24.2	10.1	45.8	40.3	56.7	55.5	47.5	3.08	3.08	0	0	11.3	25.3
<b>232 USBR Obligation</b>	<b>296</b>	<b>302</b>	<b>257</b>	<b>111</b>	<b>37.9</b>	<b>37.6</b>	<b>22.9</b>	<b>25.2</b>	<b>70.9</b>	<b>256</b>	<b>256</b>	<b>330</b>	<b>344</b>	<b>404</b>	<b>184</b>
233 USBR	296	302	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
<b>Total Power Sales Contracts</b>															
234 Cooperative	1976	1959	1719	1576	1867	2143	2100	2005	1736	1676	1676	1713	1836	2045	1865
235 Direct Service Industry	91.1	90.8	90.9	91.4	91.2	91.2	91.3	91.0	91.0	91.4	91.4	90.9	90.7	90.7	91.1
236 Federal Entities	137	136	125	135	173	201	196	186	166	144	144	132	123	134	154
237 Municipality	1748	1671	1712	1669	2150	2274	2178	2125	2006	1673	1624	1716	1543	1658	1865
238 Public Utility District	3082	2936	2811	2916	3591	3771	3555	3447	3209	2918	2823	3363	3132	2970	3220
239 USBR	296	302	257	111	37.9	37.6	22.9	25.2	70.9	256	256	330	344	404	184
<b>240 Total Power Sales Contracts</b>	<b>7330</b>	<b>7095</b>	<b>6715</b>	<b>6498</b>	<b>7911</b>	<b>8517</b>	<b>8143</b>	<b>7879</b>	<b>7279</b>	<b>6759</b>	<b>6615</b>	<b>7345</b>	<b>7069</b>	<b>7301</b>	<b>7378</b>

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***Exhibit 26***  
***Table A-7: Regional Regulated Hydro***

***Annual Energy***  
***Operating Year 2017 to 2026***  
***Using 1937-Water Conditions***

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**Table A-7: Regional: Regulated Hydro**  
**Operating Year 2017 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Regulated Hydro</b>															
1 Albeni Falls Hydroelectric	18.5	16.8	21.1	30.5	23.4	16.1	12.8	14.4	14.5	6.34	23.2	38.7	43.7	34.8	23.6
2 Alder Hydroelectric	37.1	14.7	0	0	0	36.9	9.09	0.43	37.0	36.3	13.9	43.1	42.3	0	18.4
3 Bonneville	167	138	407	427	542	551	459	498	488	366	135	408	340	172	390
4 Boundary	164	149	204	357	349	267	199	230	233	77.8	294	610	800	402	333
5 Box Canyon Dam	27.2	25.0	32.7	53.8	52.7	41.4	31.8	36.2	36.4	13.1	45.5	56.7	51.0	55.9	42.0
6 Brownlee	156	159	172	155	162	184	199	164	200	203	205	229	196	175	183
7 Cabinet Gorge	44.2	39.8	34.5	65.9	55.3	76.5	59.9	67.2	62.0	62.6	77.1	195	219	111	88.2
8 Chelan Lake	56.6	36.4	14.6	55.0	4.28	56.3	55.5	5.25	11.5	50.6	20.9	39.7	56.0	56.8	36.8
9 Chief Joseph	1399	1185	818	930	1303	1240	976	1037	917	908	912	1447	1161	1171	1101
10 Cushman 1	36.2	30.3	3.24	3.19	3.13	22.0	9.51	2.45	2.67	2.94	3.13	24.2	21.1	2.80	11.0
11 Cushman 2	67.1	61.6	0.03	0.10	0.33	52.4	22.0	0.49	0.36	0.20	0.20	54.5	51.0	0.03	20.7
12 Diablo	75.3	56.5	71.3	52.7	41.4	111	157	66.2	77.0	108	66.6	81.3	103	95.8	84.3
13 Dworshak	439	338	152	57.9	57.7	57.5	57.3	57.0	57.0	57.4	58.3	64.0	212	436	138
14 Faraday	6.98	6.50	6.58	7.10	5.01	14.5	7.68	14.3	27.1	37.1	36.7	34.9	33.4	11.7	17.1
15 Gorge	87.9	67.6	82.5	62.7	49.3	127	167	76.1	91.3	111	81.5	100	126	114	97.8
16 Grand Coulee	2526	2100	1439	1671	2381	2240	1728	1838	1578	1486	1444	2316	1985	2117	1924
17 Hells Canyon	124	129	143	130	133	148	161	133	162	160	168	190	161	137	149
18 Hungry Horse	63.4	63.2	72.9	81.7	86.4	86.9	88.0	87.1	84.8	64.4	26.3	27.4	78.8	114	76.4
19 Ice Harbor	67.5	67.7	118	108	104	121	116	125	176	68.2	66.8	166	75.3	67.2	109
20 John Day	726	618	648	689	926	917	736	802	813	793	656	961	864	685	786
21 Kerr	44.9	44.9	44.9	92.9	83.7	109	101	102	86.1	72.6	45.4	146	178	138	98.8
22 La Grande	63.3	32.1	0	0	0	63.3	19.4	0.76	63.3	63.3	23.8	63.3	63.3	0	30.6
23 Libby	188	187	185	93.9	251	192	87.8	87.0	86.2	85.7	85.7	424	465	161	192
24 Little Falls	9.51	9.32	11.5	13.1	10.8	20.3	11.1	11.6	18.3	36.4	34.2	33.6	36.0	14.9	18.8
25 Little Goose	118	145	129	108	105	120	118	111	169	212	268	485	275	147	179
26 Long Lake	25.8	25.4	30.0	33.5	28.4	49.5	27.7	28.7	45.1	72.5	72.5	72.5	72.5	37.1	43.6
27 Lower Baker	33.1	19.9	1.42	38.2	3.63	71.4	39.5	6.41	1.99	6.83	59.3	65.0	70.8	54.7	34.7
28 Lower Granite	99.9	154	133	102	103	121	119	112	171	205	273	495	271	91.4	174
29 Lower Monumental	84.5	121	124	111	106	124	119	129	182	232	292	514	291	99.2	181
30 Mayfield	27.0	20.2	40.8	55.4	55.4	169	68.1	48.8	69.9	69.9	69.9	8.36	138	47.4	66.3
31 McNary	346	292	443	468	597	591	479	523	507	459	360	586	487	340	479
32 Merwin	19.7	17.0	16.7	26.4	68.2	124	40.8	31.9	69.6	109	60.5	28.8	75.1	24.4	50.8
33 Monroe Street	7.00	7.22	9.84	10.3	9.12	11.5	9.53	8.55	13.1	14.3	14.3	14.3	14.3	11.6	11.1
34 Mossyrock	50.1	38.4	71.8	88.4	88.1	252	62.7	32.4	52.4	46.0	41.0	0	276	84.9	91.6
35 Nine Mile	6.15	6.15	7.82	8.22	7.37	9.28	7.46	7.28	13.4	17.3	16.5	16.2	17.2	9.47	10.6
36 North Fork	7.85	7.32	7.40	9.99	5.64	16.3	8.64	16.1	30.5	47.1	41.3	47.1	37.6	13.1	20.2
37 Noxon Rapids	56.2	55.8	46.0	93.3	77.6	109	84.3	94.7	87.5	94.6	103	292	333	158	128
38 Oak Grove	14.5	20.2	20.0	29.3	14.1	25.1	17.0	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.3
39 Oxbow	64.4	66.8	74.1	67.3	68.5	75.4	81.9	67.3	80.4	79.7	79.7	88.2	75.5	69.7	74.5
40 Pelton	39.6	39.6	42.3	43.5	41.1	37.4	34.9	38.7	40.5	44.6	46.6	44.2	40.1	42.9	40.9
41 Pelton Rereq	8.09	8.09	6.54	9.00	8.43	7.56	6.96	7.86	8.30	9.28	9.73	9.18	8.20	8.86	8.21
42 Post Falls	1.80	2.05	3.94	4.76	3.87	5.81	4.62	3.82	9.03	16.6	15.0	13.2	16.7	4.50	7.33
43 Priest Rapids	428	401	329	382	520	517	415	421	375	373	235	479	470	369	416
44 River Mill	4.45	4.15	4.20	4.53	3.20	9.23	4.90	9.14	17.3	22.1	22.1	21.4	17.9	7.45	10.5
45 Rock Island	319	329	271	305	366	360	318	325	296	297	275	372	337	300	322
46 Rocky Reach	683	615	443	514	696	676	539	555	497	498	494	800	684	600	596
47 Ross	53.7	39.5	65.1	51.8	46.9	122	169	62.1	65.0	89.5	49.2	59.0	70.9	73.7	75.4
48 Round Butte	84.0	84.0	90.5	93.3	86.8	77.5	71.6	80.5	84.9	94.9	100	94.6	84.8	91.8	86.5
49 Swift 1	31.0	26.3	14.2	37.7	126	115	25.4	25.5	45.3	154	0.02	27.4	152	47.3	60.1
50 Swift 2	9.02	7.67	4.13	11.1	43.2	49.9	12.1	12.1	20.7	69.0	0.01	9.81	45.6	13.4	22.0
51 The Dalles	484	411	521	547	723	744	600	656	649	597	452	696	625	481	601
52 Thompson Falls	30.5	29.3	29.1	42.7	40.5	46.5	42.0	45.3	44.0	39.9	36.4	83.3	79.5	62.0	48.6
53 Upper Baker	29.8	23.6	16.1	28.6	20.2	64.9	8.61	6.66	0.01	13.8	37.0	73.1	91.9	55.6	35.0
54 Upper Falls	4.16	4.33	6.53	6.96	5.91	8.34	6.27	5.41	10.2	9.38	8.68	8.44	9.15	8.37	7.42
55 Wanapum	417	359	264	316	479	474	354	363	316	313	197	471	461	346	374
56 Wells	425	369	272	309	429	408	323	341	303	293	279	445	390	366	356
57 Yale	22.7	19.3	11.1	27.8	105	120	52.8	32.0	60.5	106	81.0	0	119	30.1	56.0

**Table A-7: Regional: Regulated Hydro**  
**Operating Year 2017 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Total Regulated Hydro</b>															
58 Federal Entities	6727	5836	5212	5426	7308	7121	5696	6076	5892	5541	5052	8627	7174	6117	6355
59 Investor Owned Utilities	1456	1375	1229	1517	1791	2147	1595	1522	1679	1992	1775	2506	2743	1845	1824
60 Marketer	416	391	313	356	455	443	365	377	344	349	309	478	432	376	390
61 Municipality	736	575	587	729	720	1308	947	586	749	662	679	1129	1774	883	897
62 Public Utility District	1296	1167	889	1092	1431	1445	1137	1120	1016	1067	831	1466	1410	1173	1197
<b>63 Total Regulated Hydro</b>	<b>10630</b>	<b>9344</b>	<b>8230</b>	<b>9120</b>	<b>11705</b>	<b>12465</b>	<b>9740</b>	<b>9680</b>	<b>9681</b>	<b>9610</b>	<b>8646</b>	<b>14206</b>	<b>13532</b>	<b>10394</b>	<b>10662</b>

**Table A-7: Regional: Regulated Hydro**  
**Operating Year 2018 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Regulated Hydro</b>															
1 Albeni Falls Hydroelectric	18.5	16.8	21.1	30.5	23.4	16.1	12.8	14.4	14.5	6.34	23.2	30.8	30.4	33.1	21.7
2 Alder Hydroelectric	37.1	14.7	0	0	0	36.9	9.09	0.43	37.0	36.3	13.9	43.1	42.3	0	18.4
3 Bonneville	167	138	407	427	542	551	459	498	488	366	135	408	340	172	390
4 Boundary	164	149	204	357	349	267	199	230	233	77.8	294	610	800	402	333
5 Box Canyon Dam	27.2	25.0	32.7	53.8	52.7	41.4	31.8	36.2	36.4	13.1	45.5	56.7	51.0	55.9	42.0
6 Brownlee	156	159	172	155	162	184	199	164	200	203	205	229	196	175	183
7 Cabinet Gorge	44.2	39.8	34.5	65.9	55.3	76.5	59.9	67.2	62.0	62.6	77.1	195	219	111	88.2
8 Chelan Lake	56.6	36.4	14.6	55.0	4.28	56.3	55.5	5.25	11.5	50.6	20.9	39.7	56.0	56.8	36.8
9 Chief Joseph	1399	1185	818	930	1303	1240	976	1037	917	908	912	1447	1161	1171	1101
10 Cushman 1	36.2	30.3	3.24	3.19	3.13	22.0	9.51	2.45	2.67	2.94	3.13	24.2	21.1	2.80	11.0
11 Cushman 2	67.1	61.6	0.03	0.10	0.33	52.4	22.0	0.49	0.36	0.20	0.20	54.5	51.0	0.03	20.7
12 Diablo	75.3	56.5	71.3	52.7	41.4	111	157	66.2	77.0	108	66.6	81.3	103	95.8	84.3
13 Dworshak	434	338	185	57.9	57.7	57.5	57.3	57.0	57.0	57.4	58.3	64.0	212	404	138
14 Faraday	6.98	6.50	6.58	7.10	5.01	14.5	7.68	14.3	27.1	37.1	36.7	34.9	33.4	11.7	17.1
15 Gorge	87.9	67.6	82.5	62.7	49.3	127	167	76.1	91.3	111	81.5	100	126	114	97.8
16 Grand Coulee	2526	2100	1439	1671	2381	2240	1728	1838	1578	1486	1444	2316	1985	2117	1924
17 Hells Canyon	124	129	143	130	133	148	161	133	162	160	168	190	161	137	149
18 Hungry Horse	63.4	63.2	72.9	81.7	86.4	86.9	88.0	87.1	84.8	64.4	26.3	27.4	78.8	114	76.4
19 Ice Harbor	67.5	67.7	118	108	104	121	116	125	176	68.2	66.8	166	75.3	67.2	109
20 John Day	726	618	648	689	926	917	736	802	813	793	656	961	864	685	786
21 Kerr	44.9	44.9	44.9	92.9	83.7	109	101	102	86.1	72.6	45.4	146	178	138	98.8
22 La Grande	63.3	32.1	0	0	0	63.3	19.4	0.76	63.3	63.3	23.8	63.3	63.3	0	30.6
23 Libby	188	187	185	93.9	251	192	87.8	87.0	86.2	85.7	85.7	424	465	161	192
24 Little Falls	9.51	9.32	11.5	13.1	10.8	20.3	11.1	11.6	18.3	36.4	34.2	33.6	36.0	14.9	18.8
25 Little Goose	118	145	129	108	105	120	118	111	169	156	186	338	260	147	159
26 Long Lake	25.8	25.4	30.0	33.5	28.4	49.5	27.7	28.7	45.1	72.5	72.5	72.5	72.5	37.1	43.6
27 Lower Baker	33.1	19.9	1.42	38.2	3.63	71.4	39.5	6.41	1.99	6.83	59.3	65.0	70.8	54.7	34.7
28 Lower Granite	99.9	154	133	102	103	121	119	112	171	83.3	134	356	245	91.4	149
29 Lower Monumental	84.5	121	124	111	106	124	119	129	182	85.4	124	346	245	99.2	150
30 Mayfield	27.0	20.2	40.8	55.4	55.4	169	68.1	48.8	69.9	69.9	69.9	8.36	138	47.4	66.3
31 McNary	346	292	443	468	597	591	479	523	507	459	360	586	487	340	479
32 Merwin	19.7	17.0	16.7	26.4	68.2	124	40.8	31.9	69.6	109	60.5	28.8	75.1	24.4	50.8
33 Monroe Street	7.00	7.22	9.84	10.3	9.12	11.5	9.53	8.55	13.1	14.3	14.3	14.3	14.3	11.6	11.1
34 Mossyrock	50.1	38.4	71.8	88.4	88.1	252	62.7	32.4	52.4	46.0	41.0	0	276	84.9	91.6
35 Nine Mile	6.15	6.15	7.82	8.22	7.37	9.28	7.46	7.28	13.4	17.3	16.5	16.2	17.2	9.47	10.6
36 North Fork	7.85	7.32	7.40	9.99	5.64	16.3	8.64	16.1	30.5	47.1	41.3	47.1	37.6	13.1	20.2
37 Noxon Rapids	56.2	55.8	46.0	93.3	77.6	109	84.3	94.7	87.5	94.6	103	292	333	158	128
38 Oak Grove	14.5	20.2	20.0	29.3	14.1	25.1	17.0	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.3
39 Oxbow	64.4	66.8	74.1	67.3	68.5	75.4	81.9	67.3	80.4	79.7	79.7	88.2	75.5	69.7	74.5
40 Pelton	39.6	39.6	42.3	43.5	41.1	37.4	34.9	38.7	40.5	44.6	46.6	44.2	40.1	42.9	40.9
41 Pelton Rereq	8.09	8.09	6.54	9.00	8.43	7.56	6.96	7.86	8.30	9.28	9.73	9.18	8.20	8.86	8.21
42 Post Falls	1.80	2.05	3.94	4.76	3.87	5.81	4.62	3.82	9.03	16.6	15.0	13.2	16.7	4.50	7.33
43 Priest Rapids	428	401	329	382	520	517	415	421	375	373	235	479	470	369	416
44 River Mill	4.45	4.15	4.20	4.53	3.20	9.23	4.90	9.14	17.3	22.1	22.1	21.4	17.9	7.45	10.5
45 Rock Island	319	329	271	305	366	360	318	325	296	297	275	372	337	300	322
46 Rocky Reach	683	615	443	514	696	676	539	555	497	498	494	800	684	600	596
47 Ross	53.7	39.5	65.1	51.8	46.9	122	169	62.1	65.0	89.5	49.2	59.0	70.9	73.7	75.4
48 Round Butte	84.0	84.0	90.5	93.3	86.8	77.5	71.6	80.5	84.9	94.9	100	94.6	84.8	91.8	86.5
49 Swift 1	31.0	26.3	14.2	37.7	126	115	25.4	25.5	45.3	154	0.02	27.4	152	47.3	60.1
50 Swift 2	9.02	7.67	4.13	11.1	43.2	49.9	12.1	12.1	20.7	69.0	0.01	9.81	45.6	13.4	22.0
51 The Dalles	484	411	521	547	723	744	600	656	649	597	452	696	625	481	601
52 Thompson Falls	30.5	29.3	29.1	42.7	40.5	46.5	42.0	45.3	44.0	39.9	36.4	83.3	79.5	62.0	48.6
53 Upper Baker	29.8	23.6	16.1	28.6	20.2	64.9	8.61	6.66	0.01	13.8	37.0	73.1	91.9	55.6	35.0
54 Upper Falls	4.16	4.33	6.53	6.96	5.91	8.34	6.27	5.41	10.2	9.38	8.68	8.44	9.15	8.37	7.42
55 Wanapum	417	359	264	316	479	474	354	363	316	313	197	471	461	346	374
56 Wells	425	369	272	309	429	408	323	341	303	293	279	445	390	366	356
57 Yale	22.7	19.3	11.1	27.8	105	120	52.8	32.0	60.5	106	81.0	0	119	30.1	56.0



**Table A-7: Regional: Regulated Hydro**  
**Operating Year 2018 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 Continued**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Total Regulated Hydro</b>															
58 Federal Entities	6722	5836	5245	5426	7308	7121	5696	6076	5892	5216	4663	8166	7074	6084	6278
59 Investor Owned Utilities	1456	1375	1229	1517	1791	2147	1595	1522	1679	1992	1775	2506	2743	1845	1824
60 Marketer	416	391	313	356	455	443	365	377	344	349	309	478	432	376	390
61 Municipality	736	575	587	729	720	1308	947	586	749	662	679	1129	1774	883	897
62 Public Utility District	1296	1167	889	1092	1431	1445	1137	1120	1016	1067	831	1466	1410	1173	1197
<b>63 Total Regulated Hydro</b>	<b>10626</b>	<b>9344</b>	<b>8264</b>	<b>9120</b>	<b>11705</b>	<b>12465</b>	<b>9740</b>	<b>9680</b>	<b>9681</b>	<b>9285</b>	<b>8256</b>	<b>13745</b>	<b>13433</b>	<b>10361</b>	<b>10585</b>

**Table A-7: Regional: Regulated Hydro**  
**Operating Year 2019 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Regulated Hydro</b>															
1 Albeni Falls Hydroelectric	18.5	16.8	21.1	30.5	23.4	16.1	12.8	14.4	14.5	6.34	23.2	30.8	30.4	28.1	21.3
2 Alder Hydroelectric	37.1	14.7	0	0	0	36.9	9.09	0.43	37.0	36.3	13.9	43.1	42.3	0	18.4
3 Bonneville	167	138	407	427	542	551	459	498	488	366	135	408	340	172	390
4 Boundary	164	149	204	357	349	267	199	230	233	77.8	294	610	800	402	333
5 Box Canyon Dam	27.2	25.0	32.7	53.8	52.7	41.4	31.8	36.2	36.4	13.1	45.5	56.7	51.0	55.9	42.0
6 Brownlee	156	159	172	155	162	184	199	164	200	203	205	229	196	175	183
7 Cabinet Gorge	44.2	39.8	34.5	65.9	55.3	76.5	59.9	67.2	62.0	62.6	77.1	195	219	111	88.2
8 Chelan Lake	56.6	36.4	14.6	55.0	4.28	56.3	55.5	5.25	11.5	50.6	20.9	39.7	56.0	56.8	36.8
9 Chief Joseph	1399	1185	818	930	1303	1240	976	1037	917	908	912	1447	1161	1171	1101
10 Cushman 1	36.2	30.3	3.24	3.19	3.13	22.0	9.51	2.45	2.67	2.94	3.13	24.2	21.1	2.80	11.0
11 Cushman 2	67.1	61.6	0.03	0.10	0.33	52.4	22.0	0.49	0.36	0.20	0.20	54.5	51.0	0.03	20.7
12 Diablo	75.3	56.5	71.3	52.7	41.4	111	157	66.2	77.0	108	66.6	81.3	103	95.8	84.3
13 Dworshak	403	338	185	57.9	57.7	57.5	57.3	57.0	57.0	57.4	58.3	64.0	212	404	137
14 Faraday	6.98	6.50	6.58	7.10	5.01	14.5	7.68	14.3	27.1	37.1	36.7	34.9	33.4	11.7	17.1
15 Gorge	87.9	67.6	82.5	62.7	49.3	127	167	76.1	91.3	111	81.5	100	126	114	97.8
16 Grand Coulee	2526	2100	1439	1671	2381	2240	1728	1838	1578	1486	1444	2316	1985	2117	1924
17 Hells Canyon	124	129	143	130	133	148	161	133	162	160	168	190	161	137	149
18 Hungry Horse	63.4	63.2	72.9	81.7	86.4	86.9	88.0	87.1	84.8	64.4	26.3	27.4	78.8	114	76.4
19 Ice Harbor	67.5	67.7	118	108	104	121	116	125	176	68.2	66.8	166	75.3	67.2	109
20 John Day	726	618	648	689	926	917	736	802	813	793	656	961	864	685	786
21 Kerr	44.9	44.9	44.9	92.9	83.7	109	101	102	86.1	72.6	45.4	146	178	138	98.8
22 La Grande	63.3	32.1	0	0	0	63.3	19.4	0.76	63.3	63.3	23.8	63.3	63.3	0	30.6
23 Libby	188	187	185	93.9	251	192	87.8	87.0	86.2	85.7	85.7	424	465	161	192
24 Little Falls	9.51	9.32	11.5	13.1	10.8	20.3	11.1	11.6	18.3	36.4	34.2	33.6	36.0	14.9	18.8
25 Little Goose	118	145	129	108	105	120	118	111	169	156	186	338	260	147	159
26 Long Lake	25.8	25.4	30.0	33.5	28.4	49.5	27.7	28.7	45.1	72.5	72.5	72.5	72.5	37.1	43.6
27 Lower Baker	33.1	19.9	1.42	38.2	3.63	71.4	39.5	6.41	1.99	6.83	59.3	65.0	70.8	54.7	34.7
28 Lower Granite	99.9	154	133	102	103	121	119	112	171	83.3	134	356	245	91.4	149
29 Lower Monumental	84.5	121	124	111	106	124	119	129	182	85.4	124	346	245	99.2	150
30 Mayfield	27.0	20.2	40.8	55.4	55.4	169	68.1	48.8	69.9	69.9	69.9	8.36	138	47.4	66.3
31 McNary	346	292	443	468	597	591	479	523	507	459	360	586	487	340	479
32 Merwin	19.7	17.0	16.7	26.4	68.2	124	40.8	31.9	69.6	109	60.5	28.8	75.1	24.4	50.8
33 Monroe Street	7.00	7.22	9.84	10.3	9.12	11.5	9.53	8.55	13.1	14.3	14.3	14.3	14.3	11.6	11.1
34 Mossyrock	50.1	38.4	71.8	88.4	88.1	252	62.7	32.4	52.4	46.0	41.0	0	276	84.9	91.6
35 Nine Mile	6.15	6.15	7.82	8.22	7.37	9.28	7.46	7.28	13.4	17.3	16.5	16.2	17.2	9.47	10.6
36 North Fork	7.85	7.32	7.40	9.99	5.64	16.3	8.64	16.1	30.5	47.1	41.3	47.1	37.6	13.1	20.2
37 Noxon Rapids	56.2	55.8	46.0	93.3	77.6	109	84.3	94.7	87.5	94.6	103	292	333	158	128
38 Oak Grove	14.5	20.2	20.0	29.3	14.1	25.1	17.0	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.3
39 Oxbow	64.4	66.8	74.1	67.3	68.5	75.4	81.9	67.3	80.4	79.7	79.7	88.2	75.5	69.7	74.5
40 Pelton	39.6	39.6	42.3	43.5	41.1	37.4	34.9	38.7	40.5	44.6	46.6	44.2	40.1	42.9	40.9
41 Pelton Rereq	8.09	8.09	6.54	9.00	8.43	7.56	6.96	7.86	8.30	9.28	9.73	9.18	8.20	8.86	8.21
42 Post Falls	1.80	2.05	3.94	4.76	3.87	5.81	4.62	3.82	9.03	16.6	15.0	13.2	16.7	4.50	7.33
43 Priest Rapids	428	401	329	382	520	517	415	421	375	373	235	479	470	369	416
44 River Mill	4.45	4.15	4.20	4.53	3.20	9.23	4.90	9.14	17.3	22.1	22.1	21.4	17.9	7.45	10.5
45 Rock Island	319	329	271	305	366	360	318	325	296	297	275	372	337	300	322
46 Rocky Reach	683	615	443	514	696	676	539	555	497	498	494	800	684	600	596
47 Ross	53.7	39.5	65.1	51.8	46.9	122	169	62.1	65.0	89.5	49.2	59.0	70.9	73.7	75.4
48 Round Butte	84.0	84.0	90.5	93.3	86.8	77.5	71.6	80.5	84.9	94.9	100	94.6	84.8	91.8	86.5
49 Swift 1	31.0	26.3	14.2	37.7	126	115	25.4	25.5	45.3	154	0.02	27.4	152	47.3	60.1
50 Swift 2	9.02	7.67	4.13	11.1	43.2	49.9	12.1	12.1	20.7	69.0	0.01	9.81	45.6	13.4	22.0
51 The Dalles	484	411	521	547	723	744	600	656	649	597	452	696	625	481	601
52 Thompson Falls	30.5	29.3	29.1	42.7	40.5	46.5	42.0	45.3	44.0	39.9	36.4	83.3	79.5	62.0	48.6
53 Upper Baker	29.8	23.6	16.1	28.6	20.2	64.9	8.61	6.66	0.01	13.8	37.0	73.1	91.9	55.6	35.0
54 Upper Falls	4.16	4.33	6.53	6.96	5.91	8.34	6.27	5.41	10.2	9.38	8.68	8.44	9.15	8.37	7.42
55 Wanapum	417	359	264	316	479	474	354	363	316	313	197	471	461	346	374
56 Wells	425	369	272	309	429	408	323	341	303	293	279	445	390	366	356
57 Yale	22.7	19.3	11.1	27.8	105	120	52.8	32.0	60.5	106	81.0	0	119	30.1	56.0

**Table A-7: Regional: Regulated Hydro**  
**Operating Year 2019 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Total Regulated Hydro</b>															
58 Federal Entities	6691	5836	5245	5426	7308	7121	5696	6076	5892	5216	4663	8166	7074	6079	6276
59 Investor Owned Utilities	1456	1375	1068	1334	1537	1905	1404	1320	1499	1819	1610	2242	2512	1629	1633
60 Marketer	416	391	313	356	455	443	365	377	344	349	309	478	432	376	390
61 Municipality	736	575	587	729	720	1308	947	586	749	662	679	1129	1774	883	897
62 Public Utility District	1296	1167	1051	1275	1685	1687	1328	1322	1196	1240	996	1729	1641	1390	1388
<b>63 Total Regulated Hydro</b>	<b>10594</b>	<b>9344</b>	<b>8264</b>	<b>9120</b>	<b>11705</b>	<b>12465</b>	<b>9740</b>	<b>9680</b>	<b>9681</b>	<b>9285</b>	<b>8256</b>	<b>13745</b>	<b>13433</b>	<b>10356</b>	<b>10584</b>

**Table A-7: Regional: Regulated Hydro**  
**Operating Year 2020 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Regulated Hydro</b>															
1 Albeni Falls Hydroelectric	18.5	16.8	21.1	30.5	23.4	16.1	12.8	14.4	14.5	6.34	23.2	30.8	30.4	28.1	21.2
2 Alder Hydroelectric	37.1	14.7	0	0	0	36.9	9.09	0.43	37.0	36.3	13.9	43.1	42.3	0	18.4
3 Bonneville	167	138	407	427	542	551	459	498	488	366	135	408	340	172	391
4 Boundary	164	149	204	357	349	267	199	230	233	77.8	294	610	800	402	333
5 Box Canyon Dam	27.2	25.0	32.7	53.8	52.7	41.4	31.8	36.2	36.4	13.1	45.5	56.7	51.0	55.9	42.0
6 Brownlee	156	159	172	155	162	184	199	164	200	203	205	229	196	175	183
7 Cabinet Gorge	44.2	39.8	34.5	65.9	55.3	76.5	59.9	67.2	62.0	62.6	77.1	195	219	111	88.2
8 Chelan Lake	56.6	36.4	14.6	55.0	4.28	56.3	55.5	5.25	11.5	50.6	20.9	39.7	56.0	56.8	36.7
9 Chief Joseph	1399	1185	818	930	1303	1240	976	1037	917	908	912	1447	1161	1171	1101
10 Cushman 1	36.2	30.3	3.24	3.19	3.13	22.0	9.51	2.45	2.67	2.94	3.13	24.2	21.1	2.80	11.0
11 Cushman 2	67.1	61.6	0.03	0.10	0.33	52.4	22.0	0.49	0.36	0.20	0.20	54.5	51.0	0.03	20.7
12 Diablo	75.3	56.5	71.3	52.7	41.4	111	157	66.2	77.0	108	66.6	81.3	103	95.8	84.3
13 Dworshak	403	338	185	57.9	57.7	57.5	57.3	57.0	57.0	57.4	58.3	64.0	212	404	137
14 Faraday	6.98	6.50	6.58	7.10	5.01	14.5	7.68	14.3	27.1	37.1	36.7	34.9	33.4	11.7	17.1
15 Gorge	87.9	67.6	82.5	62.7	49.3	127	167	76.1	91.3	111	81.5	100	126	114	97.8
16 Grand Coulee	2526	2100	1439	1671	2381	2240	1728	1838	1578	1486	1444	2316	1985	2117	1924
17 Hells Canyon	124	129	143	130	133	148	161	133	162	160	168	190	161	137	149
18 Hungry Horse	63.4	63.2	72.9	81.7	86.4	86.9	88.0	87.1	84.8	64.4	26.3	27.4	78.8	114	76.4
19 Ice Harbor	67.5	67.7	118	108	104	121	116	125	176	68.2	66.8	166	75.3	67.2	109
20 John Day	726	618	648	689	926	917	736	802	813	793	656	961	864	685	786
21 Kerr	44.9	44.9	44.9	92.9	83.7	109	101	102	86.1	72.6	45.4	146	178	138	98.8
22 La Grande	63.3	32.1	0	0	0	63.3	19.4	0.76	63.3	63.3	23.8	63.3	63.3	0	30.5
23 Libby	188	187	185	93.9	251	192	87.8	87.0	86.2	85.7	85.7	424	465	161	192
24 Little Falls	9.51	9.32	11.5	13.1	10.8	20.3	11.1	11.6	18.3	36.4	34.2	33.6	36.0	14.9	18.8
25 Little Goose	118	145	129	108	105	120	118	111	169	156	186	338	260	147	159
26 Long Lake	25.8	25.4	30.0	33.5	28.4	49.5	27.7	28.7	45.1	72.5	72.5	72.5	72.5	37.1	43.6
27 Lower Baker	33.1	19.9	1.42	38.2	3.63	71.4	39.5	6.41	1.99	6.83	59.3	65.0	70.8	54.7	34.6
28 Lower Granite	99.9	154	133	102	103	121	119	112	171	83.3	134	351	241	91.4	149
29 Lower Monumental	84.5	121	124	111	106	124	119	129	182	85.4	124	346	245	99.2	150
30 Mayfield	27.0	20.2	40.8	55.4	55.4	169	68.1	48.8	69.9	69.9	69.9	8.36	138	47.4	66.2
31 McNary	346	292	443	468	597	591	479	523	507	459	360	586	487	340	479
32 Merwin	19.7	17.0	16.7	26.4	68.2	124	40.8	31.9	69.6	109	60.5	28.8	75.1	24.4	50.8
33 Monroe Street	7.00	7.22	9.84	10.3	9.12	11.5	9.53	8.55	13.1	14.3	14.3	14.3	14.3	11.6	11.1
34 Mossyrock	50.1	38.4	71.8	88.4	88.1	252	62.7	32.4	52.4	46.0	41.0	0	276	84.9	91.4
35 Nine Mile	6.15	6.15	7.82	8.22	7.37	9.28	7.46	7.28	13.4	17.3	16.5	16.2	17.2	9.47	10.6
36 North Fork	7.85	7.32	7.40	9.99	5.64	16.3	8.64	16.1	30.5	47.1	41.3	47.1	37.6	13.1	20.2
37 Noxon Rapids	56.2	55.8	46.0	93.3	77.6	109	84.3	94.7	87.5	94.6	103	292	333	158	128
38 Oak Grove	14.5	20.2	20.0	29.3	14.1	25.1	17.0	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.3
39 Oxbow	64.4	66.8	74.1	67.3	68.5	75.4	81.9	67.3	80.4	79.7	79.7	88.2	75.5	69.7	74.5
40 Pelton	39.6	39.6	42.3	43.5	41.1	37.4	34.9	38.7	40.5	44.6	46.6	44.2	40.1	42.9	40.9
41 Pelton Rereq	8.09	8.09	6.54	9.00	8.43	7.56	6.96	7.86	8.30	9.28	9.73	9.18	8.20	8.86	8.21
42 Post Falls	1.80	2.05	3.94	4.76	3.87	5.81	4.62	3.82	9.03	16.6	15.0	13.2	16.7	4.50	7.32
43 Priest Rapids	428	401	329	382	520	517	415	421	375	373	235	479	470	369	416
44 River Mill	4.45	4.15	4.20	4.53	3.20	9.23	4.90	9.14	17.3	22.1	22.1	21.4	17.9	7.45	10.5
45 Rock Island	319	329	271	305	366	360	318	325	296	297	275	372	337	300	322
46 Rocky Reach	683	615	443	514	696	676	539	555	497	498	494	800	684	600	596
47 Ross	53.7	39.5	65.1	51.8	46.9	122	169	62.1	65.0	89.5	49.2	59.0	70.9	73.7	75.3
48 Round Butte	84.0	84.0	90.5	93.3	86.8	77.5	71.6	80.5	84.9	94.9	100	94.6	84.8	91.8	86.5
49 Swift 1	31.0	26.3	14.2	37.7	126	115	25.4	25.5	45.3	154	0.02	27.4	152	47.3	60.0
50 Swift 2	9.02	7.67	4.13	11.1	43.2	49.9	12.1	12.1	20.7	69.0	0.01	9.81	45.6	13.4	22.0
51 The Dalles	484	411	521	547	723	744	600	656	649	597	452	696	625	481	601
52 Thompson Falls	30.5	29.3	29.1	42.7	40.5	46.5	42.0	45.3	44.0	39.9	36.4	83.3	79.5	62.0	48.6
53 Upper Baker	29.8	23.6	16.1	28.6	20.2	64.9	8.61	6.66	0.01	13.8	37.0	73.1	91.9	55.6	34.9
54 Upper Falls	4.16	4.33	6.53	6.96	5.91	8.34	6.27	5.41	10.2	9.38	8.68	8.44	9.15	8.37	7.41
55 Wanapum	417	359	264	316	479	474	354	363	316	313	197	471	461	346	374
56 Wells	425	369	272	309	429	408	323	341	303	293	279	445	390	366	356
57 Yale	22.7	19.3	11.1	27.8	105	120	52.8	32.0	60.5	106	81.0	0	119	30.1	55.9

**Table A-7: Regional: Regulated Hydro**  
**Operating Year 2020 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 Continued**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Total Regulated Hydro</b>															
58 Federal Entities	6691	5836	5245	5426	7308	7121	5696	6076	5892	5216	4663	8161	7070	6079	6275
59 Investor Owned Utilities	1204	1156	1068	1334	1537	1905	1404	1320	1499	1819	1610	2242	2512	1629	1613
60 Marketer	416	391	313	356	455	443	365	377	344	349	309	478	432	376	390
61 Municipality	736	575	587	729	720	1308	947	586	749	662	679	1129	1774	883	896
62 Public Utility District	1548	1386	1051	1275	1685	1687	1328	1322	1196	1240	996	1729	1641	1390	1408
<b>63 Total Regulated Hydro</b>	<b>10594</b>	<b>9344</b>	<b>8264</b>	<b>9120</b>	<b>11705</b>	<b>12465</b>	<b>9740</b>	<b>9680</b>	<b>9681</b>	<b>9285</b>	<b>8256</b>	<b>13739</b>	<b>13429</b>	<b>10356</b>	<b>10580</b>

**Table A-7: Regional: Regulated Hydro**  
**Operating Year 2021 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Regulated Hydro</b>															
1 Albeni Falls Hydroelectric	18.5	16.8	21.1	30.5	23.4	16.1	12.8	14.4	14.5	6.34	23.2	30.8	30.4	28.1	21.3
2 Alder Hydroelectric	37.1	14.7	0	0	0	36.9	9.09	0.43	37.0	36.3	13.9	43.1	42.3	0	18.4
3 Bonneville	167	138	407	427	542	551	459	498	488	366	135	408	340	172	390
4 Boundary	164	149	204	357	349	267	199	230	233	77.8	294	610	800	402	333
5 Box Canyon Dam	27.2	25.0	32.7	53.8	52.7	41.4	31.8	36.2	36.4	13.1	45.5	56.7	51.0	55.9	42.0
6 Brownlee	156	159	172	155	162	184	199	164	200	203	205	229	196	175	183
7 Cabinet Gorge	44.2	39.8	34.5	65.9	55.3	76.5	59.9	67.2	62.0	62.6	77.1	195	219	111	88.2
8 Chelan Lake	56.6	36.4	14.6	55.0	4.28	56.3	55.5	5.25	11.5	50.6	20.9	39.7	56.0	56.8	36.8
9 Chief Joseph	1399	1185	818	930	1303	1240	976	1037	917	908	912	1447	1161	1171	1101
10 Cushman 1	36.2	30.3	3.24	3.19	3.13	22.0	9.51	2.45	2.67	2.94	3.13	24.2	21.1	2.80	11.0
11 Cushman 2	67.1	61.6	0.03	0.10	0.33	52.4	22.0	0.49	0.36	0.20	0.20	54.5	51.0	0.03	20.7
12 Diablo	75.3	56.5	71.3	52.7	41.4	111	157	66.2	77.0	108	66.6	81.3	103	95.8	84.3
13 Dworshak	403	338	185	57.9	57.7	57.5	57.3	57.0	57.0	57.4	58.3	64.0	212	404	137
14 Faraday	6.98	6.50	6.58	7.10	5.01	14.5	7.68	14.3	27.1	37.1	36.7	34.9	33.4	11.7	17.1
15 Gorge	87.9	67.6	82.5	62.7	49.3	127	167	76.1	91.3	111	81.5	100	126	114	97.8
16 Grand Coulee	2526	2100	1439	1671	2381	2240	1728	1838	1578	1486	1444	2316	1985	2117	1924
17 Hells Canyon	124	129	143	130	133	148	161	133	162	160	168	190	161	137	149
18 Hungry Horse	63.4	63.2	72.9	81.7	86.4	86.9	88.0	87.1	84.8	64.4	26.3	27.4	78.8	114	76.4
19 Ice Harbor	67.5	67.7	118	108	104	121	116	125	176	68.2	66.8	166	75.3	67.2	109
20 John Day	726	618	648	689	926	917	736	802	813	793	656	961	864	685	786
21 Kerr	44.9	44.9	44.9	92.9	83.7	109	101	102	86.1	72.6	45.4	146	178	138	98.8
22 La Grande	63.3	32.1	0	0	0	63.3	19.4	0.76	63.3	63.3	23.8	63.3	63.3	0	30.6
23 Libby	188	187	185	93.9	251	192	87.8	87.0	86.2	85.7	85.7	424	465	161	192
24 Little Falls	9.51	9.32	11.5	13.1	10.8	20.3	11.1	11.6	18.3	36.4	34.2	33.6	36.0	14.9	18.8
25 Little Goose	118	145	129	108	105	120	118	111	169	156	186	338	250	147	158
26 Long Lake	25.8	25.4	30.0	33.5	28.4	49.5	27.7	28.7	45.1	72.5	72.5	72.5	72.5	37.1	43.6
27 Lower Baker	33.1	19.9	1.42	38.2	3.63	71.4	39.5	6.41	1.99	6.83	59.3	65.0	70.8	54.7	34.7
28 Lower Granite	99.9	154	133	102	103	121	119	112	171	83.3	134	324	235	91.4	146
29 Lower Monumental	84.5	121	124	111	106	124	119	129	182	85.4	124	346	245	99.2	150
30 Mayfield	27.0	20.2	40.8	55.4	55.4	169	68.1	48.8	69.9	69.9	69.9	8.36	138	47.4	66.3
31 McNary	346	292	443	468	597	591	479	523	507	459	360	586	487	340	479
32 Merwin	19.7	17.0	16.7	26.4	68.2	124	40.8	31.9	69.6	109	60.5	28.8	75.1	24.4	50.8
33 Monroe Street	7.00	7.22	9.84	10.3	9.12	11.5	9.53	8.55	13.1	14.3	14.3	14.3	14.3	11.6	11.1
34 Mossyrock	50.1	38.4	71.8	88.4	88.1	252	62.7	32.4	52.4	46.0	41.0	0	276	84.9	91.6
35 Nine Mile	6.15	6.15	7.82	8.22	7.37	9.28	7.46	7.28	13.4	17.3	16.5	16.2	17.2	9.47	10.6
36 North Fork	7.85	7.32	7.40	9.99	5.64	16.3	8.64	16.1	30.5	47.1	41.3	47.1	37.6	13.1	20.2
37 Noxon Rapids	56.2	55.8	46.0	93.3	77.6	109	84.3	94.7	87.5	94.6	103	292	333	158	128
38 Oak Grove	14.5	20.2	20.0	29.3	14.1	25.1	17.0	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.3
39 Oxbow	64.4	66.8	74.1	67.3	68.5	75.4	81.9	67.3	80.4	79.7	79.7	88.2	75.5	69.7	74.5
40 Pelton	39.6	39.6	42.3	43.5	41.1	37.4	34.9	38.7	40.5	44.6	46.6	44.2	40.1	42.9	40.9
41 Pelton Rereq	8.09	8.09	6.54	9.00	8.43	7.56	6.96	7.86	8.30	9.28	9.73	9.18	8.20	8.86	8.21
42 Post Falls	1.80	2.05	3.94	4.76	3.87	5.81	4.62	3.82	9.03	16.6	15.0	13.2	16.7	4.50	7.33
43 Priest Rapids	428	401	329	382	520	517	415	421	375	373	235	479	470	369	416
44 River Mill	4.45	4.15	4.20	4.53	3.20	9.23	4.90	9.14	17.3	22.1	22.1	21.4	17.9	7.45	10.5
45 Rock Island	319	329	271	305	366	360	318	325	296	297	275	372	337	300	322
46 Rocky Reach	683	615	443	514	696	676	539	555	497	498	494	800	684	600	596
47 Ross	53.7	39.5	65.1	51.8	46.9	122	169	62.1	65.0	89.5	49.2	59.0	70.9	73.7	75.4
48 Round Butte	84.0	84.0	90.5	93.3	86.8	77.5	71.6	80.5	84.9	94.9	100	94.6	84.8	91.8	86.5
49 Swift 1	31.0	26.3	14.2	37.7	126	115	25.4	25.5	45.3	154	0.02	27.4	152	47.3	60.1
50 Swift 2	9.02	7.67	4.13	11.1	43.2	49.9	12.1	12.1	20.7	69.0	0.01	9.81	45.6	13.4	22.0
51 The Dalles	484	411	521	547	723	744	600	656	649	597	452	696	625	481	601
52 Thompson Falls	30.5	29.3	29.1	42.7	40.5	46.5	42.0	45.3	44.0	39.9	36.4	83.3	79.5	62.0	48.6
53 Upper Baker	29.8	23.6	16.1	28.6	20.2	64.9	8.61	6.66	0.01	13.8	37.0	73.1	91.9	55.6	35.0
54 Upper Falls	4.16	4.33	6.53	6.96	5.91	8.34	6.27	5.41	10.2	9.38	8.68	8.44	9.15	8.37	7.42
55 Wanapum	417	359	264	316	479	474	354	363	316	313	197	471	461	346	374
56 Wells	425	369	272	309	429	408	323	341	303	293	279	445	390	366	356
57 Yale	22.7	19.3	11.1	27.8	105	120	52.8	32.0	60.5	106	81.0	0	119	30.1	56.0

**Table A-7: Regional: Regulated Hydro**  
**Operating Year 2021 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Total Regulated Hydro</b>															
58 Federal Entities	6691	5836	5245	5426	7308	7121	5696	6076	5892	5216	4663	8134	7053	6079	6271
59 Investor Owned Utilities	1204	1156	1068	1334	1537	1905	1404	1320	1499	1819	1610	2242	2512	1629	1613
60 Marketer	416	391	313	356	455	443	365	377	344	349	309	478	432	376	390
61 Municipality	736	575	587	729	720	1308	947	586	749	662	679	1129	1774	883	897
62 Public Utility District	1548	1386	1051	1275	1685	1687	1328	1322	1196	1240	996	1729	1641	1390	1408
<b>63 Total Regulated Hydro</b>	<b>10594</b>	<b>9344</b>	<b>8264</b>	<b>9120</b>	<b>11705</b>	<b>12465</b>	<b>9740</b>	<b>9680</b>	<b>9681</b>	<b>9285</b>	<b>8256</b>	<b>13712</b>	<b>13412</b>	<b>10356</b>	<b>10579</b>

**Table A-7: Regional: Regulated Hydro**  
**Operating Year 2022 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Regulated Hydro</b>															
1 Albeni Falls Hydroelectric	18.5	16.8	21.1	30.5	23.4	16.1	12.8	14.4	14.5	6.34	23.2	30.8	30.4	28.1	21.3
2 Alder Hydroelectric	37.1	14.7	0	0	0	36.9	9.09	0.43	37.0	36.3	13.9	43.1	42.3	0	18.4
3 Bonneville	167	138	407	427	542	551	459	498	488	366	135	408	340	172	390
4 Boundary	164	149	204	357	349	267	199	230	233	77.8	294	610	800	402	333
5 Box Canyon Dam	27.2	25.0	32.7	53.8	52.7	41.4	31.8	36.2	36.4	13.1	45.5	56.7	51.0	55.9	42.0
6 Brownlee	156	159	172	155	162	184	199	164	200	203	205	229	196	175	183
7 Cabinet Gorge	44.2	39.8	34.5	65.9	55.3	76.5	59.9	67.2	62.0	62.6	77.1	195	219	111	88.2
8 Chelan Lake	56.6	36.4	14.6	55.0	4.28	56.3	55.5	5.25	11.5	50.6	20.9	39.7	56.0	56.8	36.8
9 Chief Joseph	1399	1185	818	930	1303	1240	976	1037	917	908	912	1447	1161	1171	1101
10 Cushman 1	36.2	30.3	3.24	3.19	3.13	22.0	9.51	2.45	2.67	2.94	3.13	24.2	21.1	2.80	11.0
11 Cushman 2	67.1	61.6	0.03	0.10	0.33	52.4	22.0	0.49	0.36	0.20	0.20	54.5	51.0	0.03	20.7
12 Diablo	75.3	56.5	71.3	52.7	41.4	111	157	66.2	77.0	108	66.6	81.3	103	95.8	84.3
13 Dworshak	403	338	185	57.9	57.7	57.5	57.3	57.0	57.0	57.4	58.3	64.0	212	404	137
14 Faraday	6.98	6.50	6.58	7.10	5.01	14.5	7.68	14.3	27.1	37.1	36.7	34.9	33.4	11.7	17.1
15 Gorge	87.9	67.6	82.5	62.7	49.3	127	167	76.1	91.3	111	81.5	100	126	114	97.8
16 Grand Coulee	2526	2100	1439	1671	2381	2240	1728	1838	1578	1486	1444	2316	1985	2117	1924
17 Hells Canyon	124	129	143	130	133	148	161	133	162	160	168	190	161	137	149
18 Hungry Horse	63.4	63.2	72.9	81.7	86.4	86.9	88.0	87.1	84.8	64.4	26.3	27.4	78.8	114	76.4
19 Ice Harbor	67.5	67.7	118	108	104	121	116	125	176	68.2	66.8	166	75.3	67.2	109
20 John Day	726	618	648	689	926	917	736	802	813	793	656	961	864	685	786
21 Kerr	44.9	44.9	44.9	92.9	83.7	109	101	102	86.1	72.6	45.4	146	178	138	98.8
22 La Grande	63.3	32.1	0	0	0	63.3	19.4	0.76	63.3	63.3	23.8	63.3	63.3	0	30.6
23 Libby	188	187	185	93.9	251	192	87.8	87.0	86.2	85.7	85.7	424	465	161	192
24 Little Falls	9.51	9.32	11.5	13.1	10.8	20.3	11.1	11.6	18.3	36.4	34.2	33.6	36.0	14.9	18.8
25 Little Goose	118	145	129	108	105	120	118	111	169	156	186	338	250	147	158
26 Long Lake	25.8	25.4	30.0	33.5	28.4	49.5	27.7	28.7	45.1	72.5	72.5	72.5	72.5	37.1	43.6
27 Lower Baker	33.1	19.9	1.42	38.2	3.63	71.4	39.5	6.41	1.99	6.83	59.3	65.0	70.8	54.7	34.7
28 Lower Granite	99.9	154	133	102	103	121	119	112	171	83.3	134	324	235	91.4	146
29 Lower Monumental	84.5	121	124	111	106	124	119	129	182	85.4	124	346	245	99.2	150
30 Mayfield	27.0	20.2	40.8	55.4	55.4	169	68.1	48.8	69.9	69.9	69.9	8.36	138	47.4	66.3
31 McNary	346	292	443	468	597	591	479	523	507	459	360	586	487	340	479
32 Merwin	19.7	17.0	16.7	26.4	68.2	124	40.8	31.9	69.6	109	60.5	28.8	75.1	24.4	50.8
33 Monroe Street	7.00	7.22	9.84	10.3	9.12	11.5	9.53	8.55	13.1	14.3	14.3	14.3	14.3	11.6	11.1
34 Mossyrock	50.1	38.4	71.8	88.4	88.1	252	62.7	32.4	52.4	46.0	41.0	0	276	84.9	91.6
35 Nine Mile	6.15	6.15	7.82	8.22	7.37	9.28	7.46	7.28	13.4	17.3	16.5	16.2	17.2	9.47	10.6
36 North Fork	7.85	7.32	7.40	9.99	5.64	16.3	8.64	16.1	30.5	47.1	41.3	47.1	37.6	13.1	20.2
37 Noxon Rapids	56.2	55.8	46.0	93.3	77.6	109	84.3	94.7	87.5	94.6	103	292	333	158	128
38 Oak Grove	14.5	20.2	20.0	29.3	14.1	25.1	17.0	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.3
39 Oxbow	64.4	66.8	74.1	67.3	68.5	75.4	81.9	67.3	80.4	79.7	79.7	88.2	75.5	69.7	74.5
40 Pelton	39.6	39.6	42.3	43.5	41.1	37.4	34.9	38.7	40.5	44.6	46.6	44.2	40.1	42.9	40.9
41 Pelton Rereq	8.09	8.09	6.54	9.00	8.43	7.56	6.96	7.86	8.30	9.28	9.73	9.18	8.20	8.86	8.21
42 Post Falls	1.80	2.05	3.94	4.76	3.87	5.81	4.62	3.82	9.03	16.6	15.0	13.2	16.7	4.50	7.33
43 Priest Rapids	428	401	329	382	520	517	415	421	375	373	235	479	470	369	416
44 River Mill	4.45	4.15	4.20	4.53	3.20	9.23	4.90	9.14	17.3	22.1	22.1	21.4	17.9	7.45	10.5
45 Rock Island	319	329	271	305	366	360	318	325	296	297	275	372	337	300	322
46 Rocky Reach	683	615	443	514	696	676	539	555	497	498	494	800	684	600	596
47 Ross	53.7	39.5	65.1	51.8	46.9	122	169	62.1	65.0	89.5	49.2	59.0	70.9	73.7	75.4
48 Round Butte	84.0	84.0	90.5	93.3	86.8	77.5	71.6	80.5	84.9	94.9	100	94.6	84.8	91.8	86.5
49 Swift 1	31.0	26.3	14.2	37.7	126	115	25.4	25.5	45.3	154	0.02	27.4	152	47.3	60.1
50 Swift 2	9.02	7.67	4.13	11.1	43.2	49.9	12.1	12.1	20.7	69.0	0.01	9.81	45.6	13.4	22.0
51 The Dalles	484	411	521	547	723	744	600	656	649	597	452	696	625	481	601
52 Thompson Falls	30.5	29.3	29.1	42.7	40.5	46.5	42.0	45.3	44.0	39.9	36.4	83.3	79.5	62.0	48.6
53 Upper Baker	29.8	23.6	16.1	28.6	20.2	64.9	8.61	6.66	0.01	13.8	37.0	73.1	91.9	55.6	35.0
54 Upper Falls	4.16	4.33	6.53	6.96	5.91	8.34	6.27	5.41	10.2	9.38	8.68	8.44	9.15	8.37	7.42
55 Wanapum	417	359	264	316	479	474	354	363	316	313	197	471	461	346	374
56 Wells	425	369	272	309	429	408	323	341	303	293	279	445	390	366	356
57 Yale	22.7	19.3	11.1	27.8	105	120	52.8	32.0	60.5	106	81.0	0	119	30.1	56.0



**Table A-7: Regional: Regulated Hydro**  
**Operating Year 2022 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Total Regulated Hydro</b>															
58 Federal Entities	6691	5836	5245	5426	7308	7121	5696	6076	5892	5216	4663	8134	7053	6079	6271
59 Investor Owned Utilities	1204	1156	1068	1334	1537	1905	1404	1320	1499	1819	1610	2242	2512	1629	1613
60 Marketer	416	391	313	356	455	443	365	377	344	349	309	478	432	376	390
61 Municipality	736	575	587	729	720	1308	947	586	749	662	679	1129	1774	883	897
62 Public Utility District	1548	1386	1051	1275	1685	1687	1328	1322	1196	1240	996	1729	1641	1390	1408
<b>63 Total Regulated Hydro</b>	<b>10594</b>	<b>9344</b>	<b>8264</b>	<b>9120</b>	<b>11705</b>	<b>12465</b>	<b>9740</b>	<b>9680</b>	<b>9681</b>	<b>9285</b>	<b>8256</b>	<b>13712</b>	<b>13412</b>	<b>10356</b>	<b>10579</b>

**Table A-7: Regional: Regulated Hydro**  
**Operating Year 2023 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Regulated Hydro</b>															
1 Albeni Falls Hydroelectric	18.5	16.8	21.1	30.5	23.4	16.1	12.8	14.4	14.5	6.34	23.2	30.8	30.4	28.1	21.3
2 Alder Hydroelectric	37.1	14.7	0	0	0	36.9	9.09	0.43	37.0	36.3	13.9	43.1	42.3	0	18.4
3 Bonneville	167	138	407	427	542	551	459	498	488	366	135	408	340	172	390
4 Boundary	164	149	204	357	349	267	199	230	233	77.8	294	610	800	402	333
5 Box Canyon Dam	27.2	25.0	32.7	53.8	52.7	41.4	31.8	36.2	36.4	13.1	45.5	56.7	51.0	55.9	42.0
6 Brownlee	156	159	172	155	162	184	199	164	200	203	205	229	196	175	183
7 Cabinet Gorge	44.2	39.8	34.5	65.9	55.3	76.5	59.9	67.2	62.0	62.6	77.1	195	219	111	88.2
8 Chelan Lake	56.6	36.4	14.6	55.0	4.28	56.3	55.5	5.25	11.5	50.6	20.9	39.7	56.0	56.8	36.8
9 Chief Joseph	1399	1185	818	930	1303	1240	976	1037	917	908	912	1447	1161	1171	1101
10 Cushman 1	36.2	30.3	3.24	3.19	3.13	22.0	9.51	2.45	2.67	2.94	3.13	24.2	21.1	2.80	11.0
11 Cushman 2	67.1	61.6	0.03	0.10	0.33	52.4	22.0	0.49	0.36	0.20	0.20	54.5	51.0	0.03	20.7
12 Diablo	75.3	56.5	71.3	52.7	41.4	111	157	66.2	77.0	108	66.6	81.3	103	95.8	84.3
13 Dworshak	403	338	185	57.9	57.7	57.5	57.3	57.0	57.0	57.4	58.3	64.0	212	404	137
14 Faraday	6.98	6.50	6.58	7.10	5.01	14.5	7.68	14.3	27.1	37.1	36.7	34.9	33.4	11.7	17.1
15 Gorge	87.9	67.6	82.5	62.7	49.3	127	167	76.1	91.3	111	81.5	100	126	114	97.8
16 Grand Coulee	2526	2100	1439	1671	2381	2240	1728	1838	1578	1486	1444	2316	1985	2117	1924
17 Hells Canyon	124	129	143	130	133	148	161	133	162	160	168	190	161	137	149
18 Hungry Horse	63.4	63.2	72.9	81.7	86.4	86.9	88.0	87.1	84.8	64.4	26.3	27.4	78.8	114	76.4
19 Ice Harbor	67.5	67.7	118	108	104	121	116	125	176	68.2	66.8	166	75.3	67.2	109
20 John Day	726	618	648	689	926	917	736	802	813	793	656	961	864	685	786
21 Kerr	44.9	44.9	44.9	92.9	83.7	109	101	102	86.1	72.6	45.4	146	178	138	98.8
22 La Grande	63.3	32.1	0	0	0	63.3	19.4	0.76	63.3	63.3	23.8	63.3	63.3	0	30.6
23 Libby	188	187	185	93.9	251	192	87.8	87.0	86.2	85.7	85.7	424	465	161	192
24 Little Falls	9.51	9.32	11.5	13.1	10.8	20.3	11.1	11.6	18.3	36.4	34.2	33.6	36.0	14.9	18.8
25 Little Goose	118	145	129	108	105	120	118	111	169	156	186	338	250	147	158
26 Long Lake	25.8	25.4	30.0	33.5	28.4	49.5	27.7	28.7	45.1	72.5	72.5	72.5	72.5	37.1	43.6
27 Lower Baker	33.1	19.9	1.42	38.2	3.63	71.4	39.5	6.41	1.99	6.83	59.3	65.0	70.8	54.7	34.7
28 Lower Granite	99.9	154	133	102	103	121	119	112	171	83.3	134	323	234	91.4	146
29 Lower Monumental	84.5	121	124	111	106	124	119	129	182	85.4	124	346	245	99.2	150
30 Mayfield	27.0	20.2	40.8	55.4	55.4	169	68.1	48.8	69.9	69.9	69.9	8.36	138	47.4	66.3
31 McNary	346	292	443	468	597	591	479	523	507	459	360	586	487	340	479
32 Merwin	19.7	17.0	16.7	26.4	68.2	124	40.8	31.9	69.6	109	60.5	28.8	75.1	24.4	50.8
33 Monroe Street	7.00	7.22	9.84	10.3	9.12	11.5	9.53	8.55	13.1	14.3	14.3	14.3	14.3	11.6	11.1
34 Mossyrock	50.1	38.4	71.8	88.4	88.1	252	62.7	32.4	52.4	46.0	41.0	0	276	84.9	91.6
35 Nine Mile	6.15	6.15	7.82	8.22	7.37	9.28	7.46	7.28	13.4	17.3	16.5	16.2	17.2	9.47	10.6
36 North Fork	7.85	7.32	7.40	9.99	5.64	16.3	8.64	16.1	30.5	47.1	41.3	47.1	37.6	13.1	20.2
37 Noxon Rapids	56.2	55.8	46.0	93.3	77.6	109	84.3	94.7	87.5	94.6	103	292	333	158	128
38 Oak Grove	14.5	20.2	20.0	29.3	14.1	25.1	17.0	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.3
39 Oxbow	64.4	66.8	74.1	67.3	68.5	75.4	81.9	67.3	80.4	79.7	79.7	88.2	75.5	69.7	74.5
40 Pelton	39.6	39.6	42.3	43.5	41.1	37.4	34.9	38.7	40.5	44.6	46.6	44.2	40.1	42.9	40.9
41 Pelton Rereq	8.09	8.09	6.54	9.00	8.43	7.56	6.96	7.86	8.30	9.28	9.73	9.18	8.20	8.86	8.21
42 Post Falls	1.80	2.05	3.94	4.76	3.87	5.81	4.62	3.82	9.03	16.6	15.0	13.2	16.7	4.50	7.33
43 Priest Rapids	428	401	329	382	520	517	415	421	375	373	235	479	470	369	416
44 River Mill	4.45	4.15	4.20	4.53	3.20	9.23	4.90	9.14	17.3	22.1	22.1	21.4	17.9	7.45	10.5
45 Rock Island	319	329	271	305	366	360	318	325	296	297	275	372	337	300	322
46 Rocky Reach	683	615	443	514	696	676	539	555	497	498	494	800	684	600	596
47 Ross	53.7	39.5	65.1	51.8	46.9	122	169	62.1	65.0	89.5	49.2	59.0	70.9	73.7	75.4
48 Round Butte	84.0	84.0	90.5	93.3	86.8	77.5	71.6	80.5	84.9	94.9	100	94.6	84.8	91.8	86.5
49 Swift 1	31.0	26.3	14.2	37.7	126	115	25.4	25.5	45.3	154	0.02	27.4	152	47.3	60.1
50 Swift 2	9.02	7.67	4.13	11.1	43.2	49.9	12.1	12.1	20.7	69.0	0.01	9.81	45.6	13.4	22.0
51 The Dalles	484	411	521	547	723	744	600	656	649	597	452	696	625	481	601
52 Thompson Falls	30.5	29.3	29.1	42.7	40.5	46.5	42.0	45.3	44.0	39.9	36.4	83.3	79.5	62.0	48.6
53 Upper Baker	29.8	23.6	16.1	28.6	20.2	64.9	8.61	6.66	0.01	13.8	37.0	73.1	91.9	55.6	35.0
54 Upper Falls	4.16	4.33	6.53	6.96	5.91	8.34	6.27	5.41	10.2	9.38	8.68	8.44	9.15	8.37	7.42
55 Wanapum	417	359	264	316	479	474	354	363	316	313	197	471	461	346	374
56 Wells	425	369	272	309	429	408	323	341	303	293	279	445	390	366	356
57 Yale	22.7	19.3	11.1	27.8	105	120	52.8	32.0	60.5	106	81.0	0	119	30.1	56.0

**Table A-7: Regional: Regulated Hydro**  
**Operating Year 2023 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 Continued**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Total Regulated Hydro</b>															
58 Federal Entities	6691	5836	5245	5426	7308	7121	5696	6076	5892	5216	4663	8133	7053	6079	6271
59 Investor Owned Utilities	1204	1156	1068	1334	1537	1905	1404	1320	1499	1819	1610	2242	2512	1629	1613
60 Marketer	416	391	313	356	455	443	365	377	344	349	309	478	432	376	390
61 Municipality	736	575	587	729	720	1308	947	586	749	662	679	1129	1774	883	897
62 Public Utility District	1548	1386	1051	1275	1685	1687	1328	1322	1196	1240	996	1729	1641	1390	1408
<b>63 Total Regulated Hydro</b>	<b>10594</b>	<b>9344</b>	<b>8264</b>	<b>9120</b>	<b>11705</b>	<b>12465</b>	<b>9740</b>	<b>9680</b>	<b>9681</b>	<b>9285</b>	<b>8256</b>	<b>13712</b>	<b>13412</b>	<b>10356</b>	<b>10579</b>

**Table A-7: Regional: Regulated Hydro**  
**Operating Year 2024 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Regulated Hydro</b>															
1 Albeni Falls Hydroelectric	18.5	16.8	21.1	30.5	23.4	16.1	12.8	14.4	14.5	6.34	23.2	30.8	30.4	28.1	21.2
2 Alder Hydroelectric	37.1	14.7	0	0	0	36.9	9.09	0.43	37.0	36.3	13.9	43.1	42.3	0	18.4
3 Bonneville	167	138	407	427	542	551	459	498	488	366	135	408	340	172	391
4 Boundary	164	149	204	357	349	267	199	230	233	77.8	294	610	800	402	333
5 Box Canyon Dam	27.2	25.0	32.7	53.8	52.7	41.4	31.8	36.2	36.4	13.1	45.5	56.7	51.0	55.9	42.0
6 Brownlee	156	159	172	155	162	184	199	164	200	203	205	229	196	175	183
7 Cabinet Gorge	44.2	39.8	34.5	65.9	55.3	76.5	59.9	67.2	62.0	62.6	77.1	195	219	111	88.2
8 Chelan Lake	56.6	36.4	14.6	55.0	4.28	56.3	55.5	5.25	11.5	50.6	20.9	39.7	56.0	56.8	36.7
9 Chief Joseph	1399	1185	818	930	1303	1240	976	1037	917	908	912	1447	1161	1171	1101
10 Cushman 1	36.2	30.3	3.24	3.19	3.13	22.0	9.51	2.45	2.67	2.94	3.13	24.2	21.1	2.80	11.0
11 Cushman 2	67.1	61.6	0.03	0.10	0.33	52.4	22.0	0.49	0.36	0.20	0.20	54.5	51.0	0.03	20.7
12 Diablo	75.3	56.5	71.3	52.7	41.4	111	157	66.2	77.0	108	66.6	81.3	103	95.8	84.3
13 Dworshak	403	338	185	57.9	57.7	57.5	57.3	57.0	57.0	57.4	58.3	64.0	212	404	137
14 Faraday	6.98	6.50	6.58	7.10	5.01	14.5	7.68	14.3	27.1	37.1	36.7	34.9	33.4	11.7	17.1
15 Gorge	87.9	67.6	82.5	62.7	49.3	127	167	76.1	91.3	111	81.5	100	126	114	97.8
16 Grand Coulee	2526	2100	1439	1671	2381	2240	1728	1838	1578	1486	1444	2316	1985	2117	1924
17 Hells Canyon	124	129	143	130	133	148	161	133	162	160	168	190	161	137	149
18 Hungry Horse	63.4	63.2	72.9	81.7	86.4	86.9	88.0	87.1	84.8	64.4	26.3	27.4	78.8	114	76.4
19 Ice Harbor	67.5	67.7	118	108	104	121	116	125	176	68.2	66.8	166	75.3	67.2	109
20 John Day	726	618	648	689	926	917	736	802	813	793	656	961	864	685	786
21 Kerr	44.9	44.9	44.9	92.9	83.7	109	101	102	86.1	72.6	45.4	146	178	138	98.8
22 La Grande	63.3	32.1	0	0	0	63.3	19.4	0.76	63.3	63.3	23.8	63.3	63.3	0	30.5
23 Libby	188	187	185	93.9	251	192	87.8	87.0	86.2	85.7	85.7	424	465	161	192
24 Little Falls	9.51	9.32	11.5	13.1	10.8	20.3	11.1	11.6	18.3	36.4	34.2	33.6	36.0	14.9	18.8
25 Little Goose	118	145	129	108	105	120	118	111	169	156	186	338	250	147	158
26 Long Lake	25.8	25.4	30.0	33.5	28.4	49.5	27.7	28.7	45.1	72.5	72.5	72.5	72.5	37.1	43.6
27 Lower Baker	33.1	19.9	1.42	38.2	3.63	71.4	39.5	6.41	1.99	6.83	59.3	65.0	70.8	54.7	34.6
28 Lower Granite	99.9	154	133	102	103	121	119	112	171	83.3	134	323	235	91.4	146
29 Lower Monumental	84.5	121	124	111	106	124	119	129	182	85.4	124	346	245	99.2	150
30 Mayfield	27.0	20.2	40.8	55.4	55.4	169	68.1	48.8	69.9	69.9	69.9	8.36	138	47.4	66.2
31 McNary	346	292	443	468	597	591	479	523	507	459	360	586	487	340	479
32 Merwin	19.7	17.0	16.7	26.4	68.2	124	40.8	31.9	69.6	109	60.5	28.8	75.1	24.4	50.8
33 Monroe Street	7.00	7.22	9.84	10.3	9.12	11.5	9.53	8.55	13.1	14.3	14.3	14.3	14.3	11.6	11.1
34 Mossyrock	50.1	38.4	71.8	88.4	88.1	252	62.7	32.4	52.4	46.0	41.0	0	276	84.9	91.4
35 Nine Mile	6.15	6.15	7.82	8.22	7.37	9.28	7.46	7.28	13.4	17.3	16.5	16.2	17.2	9.47	10.6
36 North Fork	7.85	7.32	7.40	9.99	5.64	16.3	8.64	16.1	30.5	47.1	41.3	47.1	37.6	13.1	20.2
37 Noxon Rapids	56.2	55.8	46.0	93.3	77.6	109	84.3	94.7	87.5	94.6	103	292	333	158	128
38 Oak Grove	14.5	20.2	20.0	29.3	14.1	25.1	17.0	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.3
39 Oxbow	64.4	66.8	74.1	67.3	68.5	75.4	81.9	67.3	80.4	79.7	79.7	88.2	75.5	69.7	74.5
40 Pelton	39.6	39.6	42.3	43.5	41.1	37.4	34.9	38.7	40.5	44.6	46.6	44.2	40.1	42.9	40.9
41 Pelton Rereq	8.09	8.09	6.54	9.00	8.43	7.56	6.96	7.86	8.30	9.28	9.73	9.18	8.20	8.86	8.21
42 Post Falls	1.80	2.05	3.94	4.76	3.87	5.81	4.62	3.82	9.03	16.6	15.0	13.2	16.7	4.50	7.32
43 Priest Rapids	428	401	329	382	520	517	415	421	375	373	235	479	470	369	416
44 River Mill	4.45	4.15	4.20	4.53	3.20	9.23	4.90	9.14	17.3	22.1	22.1	21.4	17.9	7.45	10.5
45 Rock Island	319	329	271	305	366	360	318	325	296	297	275	372	337	300	322
46 Rocky Reach	683	615	443	514	696	676	539	555	497	498	494	800	684	600	596
47 Ross	53.7	39.5	65.1	51.8	46.9	122	169	62.1	65.0	89.5	49.2	59.0	70.9	73.7	75.3
48 Round Butte	84.0	84.0	90.5	93.3	86.8	77.5	71.6	80.5	84.9	94.9	100	94.6	84.8	91.8	86.5
49 Swift 1	31.0	26.3	14.2	37.7	126	115	25.4	25.5	45.3	154	0.02	27.4	152	47.3	60.0
50 Swift 2	9.02	7.67	4.13	11.1	43.2	49.9	12.1	12.1	20.7	69.0	0.01	9.81	45.6	13.4	22.0
51 The Dalles	484	411	521	547	723	744	600	656	649	597	452	696	625	481	601
52 Thompson Falls	30.5	29.3	29.1	42.7	40.5	46.5	42.0	45.3	44.0	39.9	36.4	83.3	79.5	62.0	48.6
53 Upper Baker	29.8	23.6	16.1	28.6	20.2	64.9	8.61	6.66	0.01	13.8	37.0	73.1	91.9	55.6	34.9
54 Upper Falls	4.16	4.33	6.53	6.96	5.91	8.34	6.27	5.41	10.2	9.38	8.68	8.44	9.15	8.37	7.41
55 Wanapum	417	359	264	316	479	474	354	363	316	313	197	471	461	346	374
56 Wells	425	369	272	309	429	408	323	341	303	293	279	445	390	366	356
57 Yale	22.7	19.3	11.1	27.8	105	120	52.8	32.0	60.5	106	81.0	0	119	30.1	55.9

**Table A-7: Regional: Regulated Hydro**  
**Operating Year 2024 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 Continued**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Total Regulated Hydro</b>															
58 Federal Entities	6691	5836	5245	5426	7308	7121	5696	6076	5892	5216	4663	8133	7053	6079	6271
59 Investor Owned Utilities	1204	1156	1068	1334	1537	1905	1404	1320	1499	1819	1610	2242	2512	1629	1613
60 Marketer	416	391	313	356	455	443	365	377	344	349	309	478	432	376	390
61 Municipality	736	575	587	729	720	1308	947	586	749	662	679	1129	1774	883	896
62 Public Utility District	1548	1386	1051	1275	1685	1687	1328	1322	1196	1240	996	1729	1641	1390	1408
<b>63 Total Regulated Hydro</b>	<b>10594</b>	<b>9344</b>	<b>8264</b>	<b>9120</b>	<b>11705</b>	<b>12465</b>	<b>9740</b>	<b>9680</b>	<b>9681</b>	<b>9285</b>	<b>8256</b>	<b>13712</b>	<b>13412</b>	<b>10356</b>	<b>10577</b>

**Table A-7: Regional: Regulated Hydro**  
**Operating Year 2025 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Regulated Hydro</b>															
1 Albeni Falls Hydroelectric	18.5	16.8	21.1	30.5	23.4	16.1	12.8	14.4	14.5	6.34	23.2	30.8	30.4	28.1	21.3
2 Alder Hydroelectric	37.1	14.7	0	0	0	36.9	9.09	0.43	37.0	36.3	13.9	43.1	42.3	0	18.4
3 Bonneville	167	138	407	427	542	551	459	498	488	366	135	408	340	172	390
4 Boundary	164	149	204	357	349	267	199	230	233	77.8	294	610	800	402	333
5 Box Canyon Dam	27.2	25.0	32.7	53.8	52.7	41.4	31.8	36.2	36.4	13.1	45.5	56.7	51.0	55.9	42.0
6 Brownlee	156	159	172	155	162	184	199	164	200	203	205	229	196	175	183
7 Cabinet Gorge	44.2	39.8	34.5	65.9	55.3	76.5	59.9	67.2	62.0	62.6	77.1	195	219	111	88.2
8 Chelan Lake	56.6	36.4	14.6	55.0	4.28	56.3	55.5	5.25	11.5	50.6	20.9	39.7	56.0	56.8	36.8
9 Chief Joseph	1399	1185	818	930	1303	1240	976	1037	917	908	912	1447	1161	1171	1101
10 Cushman 1	36.2	30.3	3.24	3.19	3.13	22.0	9.51	2.45	2.67	2.94	3.13	24.2	21.1	2.80	11.0
11 Cushman 2	67.1	61.6	0.03	0.10	0.33	52.4	22.0	0.49	0.36	0.20	0.20	54.5	51.0	0.03	20.7
12 Diablo	75.3	56.5	71.3	52.7	41.4	111	157	66.2	77.0	108	66.6	81.3	103	95.8	84.3
13 Dworshak	403	338	185	57.9	57.7	57.5	57.3	57.0	57.0	57.4	58.3	64.0	212	404	137
14 Faraday	6.98	6.50	6.58	7.10	5.01	14.5	7.68	14.3	27.1	37.1	36.7	34.9	33.4	11.7	17.1
15 Gorge	87.9	67.6	82.5	62.7	49.3	127	167	76.1	91.3	111	81.5	100	126	114	97.8
16 Grand Coulee	2526	2100	1439	1671	2381	2240	1728	1838	1578	1486	1444	2316	1985	2117	1924
17 Hells Canyon	124	129	143	130	133	148	161	133	162	160	168	190	161	137	149
18 Hungry Horse	63.4	63.2	72.9	81.7	86.4	86.9	88.0	87.1	84.8	64.4	26.3	27.4	78.8	114	76.4
19 Ice Harbor	67.5	67.7	118	108	104	121	116	125	176	68.2	66.8	166	75.3	67.2	109
20 John Day	726	618	648	689	926	917	736	802	813	793	656	961	864	685	786
21 Kerr	44.9	44.9	44.9	92.9	83.7	109	101	102	86.1	72.6	45.4	146	178	138	98.8
22 La Grande	63.3	32.1	0	0	0	63.3	19.4	0.76	63.3	63.3	23.8	63.3	63.3	0	30.6
23 Libby	188	187	185	93.9	251	192	87.8	87.0	86.2	85.7	85.7	424	465	161	192
24 Little Falls	9.51	9.32	11.5	13.1	10.8	20.3	11.1	11.6	18.3	36.4	34.2	33.6	36.0	14.9	18.8
25 Little Goose	118	145	129	108	105	120	118	111	169	156	186	338	250	147	158
26 Long Lake	25.8	25.4	30.0	33.5	28.4	49.5	27.7	28.7	45.1	72.5	72.5	72.5	72.5	37.1	43.6
27 Lower Baker	33.1	19.9	1.42	38.2	3.63	71.4	39.5	6.41	1.99	6.83	59.3	65.0	70.8	54.7	34.7
28 Lower Granite	99.9	154	133	102	103	121	119	112	171	83.3	134	324	234	91.4	146
29 Lower Monumental	84.5	121	124	111	106	124	119	129	182	85.4	124	346	245	99.2	150
30 Mayfield	27.0	20.2	40.8	55.4	55.4	169	68.1	48.8	69.9	69.9	69.9	8.36	138	47.4	66.3
31 McNary	346	292	443	468	597	591	479	523	507	459	360	586	487	340	479
32 Merwin	19.7	17.0	16.7	26.4	68.2	124	40.8	31.9	69.6	109	60.5	28.8	75.1	24.4	50.8
33 Monroe Street	7.00	7.22	9.84	10.3	9.12	11.5	9.53	8.55	13.1	14.3	14.3	14.3	14.3	11.6	11.1
34 Mossyrock	50.1	38.4	71.8	88.4	88.1	252	62.7	32.4	52.4	46.0	41.0	0	276	84.9	91.6
35 Nine Mile	6.15	6.15	7.82	8.22	7.37	9.28	7.46	7.28	13.4	17.3	16.5	16.2	17.2	9.47	10.6
36 North Fork	7.85	7.32	7.40	9.99	5.64	16.3	8.64	16.1	30.5	47.1	41.3	47.1	37.6	13.1	20.2
37 Noxon Rapids	56.2	55.8	46.0	93.3	77.6	109	84.3	94.7	87.5	94.6	103	292	333	158	128
38 Oak Grove	14.5	20.2	20.0	29.3	14.1	25.1	17.0	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.3
39 Oxbow	64.4	66.8	74.1	67.3	68.5	75.4	81.9	67.3	80.4	79.7	79.7	88.2	75.5	69.7	74.5
40 Pelton	39.6	39.6	42.3	43.5	41.1	37.4	34.9	38.7	40.5	44.6	46.6	44.2	40.1	42.9	40.9
41 Pelton Rereq	8.09	8.09	6.54	9.00	8.43	7.56	6.96	7.86	8.30	9.28	9.73	9.18	8.20	8.86	8.21
42 Post Falls	1.80	2.05	3.94	4.76	3.87	5.81	4.62	3.82	9.03	16.6	15.0	13.2	16.7	4.50	7.33
43 Priest Rapids	428	401	329	382	520	517	415	421	375	373	235	479	470	369	416
44 River Mill	4.45	4.15	4.20	4.53	3.20	9.23	4.90	9.14	17.3	22.1	22.1	21.4	17.9	7.45	10.5
45 Rock Island	319	329	271	305	366	360	318	325	296	297	275	372	337	300	322
46 Rocky Reach	683	615	443	514	696	676	539	555	497	498	494	800	684	600	596
47 Ross	53.7	39.5	65.1	51.8	46.9	122	169	62.1	65.0	89.5	49.2	59.0	70.9	73.7	75.4
48 Round Butte	84.0	84.0	90.5	93.3	86.8	77.5	71.6	80.5	84.9	94.9	100	94.6	84.8	91.8	86.5
49 Swift 1	31.0	26.3	14.2	37.7	126	115	25.4	25.5	45.3	154	0.02	27.4	152	47.3	60.1
50 Swift 2	9.02	7.67	4.13	11.1	43.2	49.9	12.1	12.1	20.7	69.0	0.01	9.81	45.6	13.4	22.0
51 The Dalles	484	411	521	547	723	744	600	656	649	597	452	696	625	481	601
52 Thompson Falls	30.5	29.3	29.1	42.7	40.5	46.5	42.0	45.3	44.0	39.9	36.4	83.3	79.5	62.0	48.6
53 Upper Baker	29.8	23.6	16.1	28.6	20.2	64.9	8.61	6.66	0.01	13.8	37.0	73.1	91.9	55.6	35.0
54 Upper Falls	4.16	4.33	6.53	6.96	5.91	8.34	6.27	5.41	10.2	9.38	8.68	8.44	9.15	8.37	7.42
55 Wanapum	417	359	264	316	479	474	354	363	316	313	197	471	461	346	374
56 Wells	425	369	272	309	429	408	323	341	303	293	279	445	390	366	356
57 Yale	22.7	19.3	11.1	27.8	105	120	52.8	32.0	60.5	106	81.0	0	119	30.1	56.0

**Table A-7: Regional: Regulated Hydro**  
**Operating Year 2025 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Total Regulated Hydro</b>															
58 Federal Entities	6691	5836	5245	5426	7308	7121	5696	6076	5892	5216	4663	8133	7053	6079	6271
59 Investor Owned Utilities	1204	1156	1068	1334	1537	1905	1404	1320	1499	1819	1610	2242	2512	1629	1613
60 Marketer	416	391	313	356	455	443	365	377	344	349	309	478	432	376	390
61 Municipality	736	575	587	729	720	1308	947	586	749	662	679	1129	1774	883	897
62 Public Utility District	1548	1386	1051	1275	1685	1687	1328	1322	1196	1240	996	1729	1641	1390	1408
<b>63 Total Regulated Hydro</b>	<b>10594</b>	<b>9344</b>	<b>8264</b>	<b>9120</b>	<b>11705</b>	<b>12465</b>	<b>9740</b>	<b>9680</b>	<b>9681</b>	<b>9285</b>	<b>8256</b>	<b>13712</b>	<b>13412</b>	<b>10356</b>	<b>10579</b>

**Table A-7: Regional: Regulated Hydro**  
**Operating Year 2026 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Regulated Hydro</b>															
1 Albeni Falls Hydroelectric	18.5	16.8	21.1	30.5	23.4	16.1	12.8	14.4	14.5	6.34	23.2	30.8	30.4	28.1	21.3
2 Alder Hydroelectric	37.1	14.7	0	0	0	36.9	9.09	0.43	37.0	36.3	13.9	43.1	42.3	0	18.4
3 Bonneville	167	138	407	427	542	551	459	498	488	366	135	408	340	172	390
4 Boundary	164	149	204	357	349	267	199	230	233	77.8	294	610	800	402	333
5 Box Canyon Dam	27.2	25.0	32.7	53.8	52.7	41.4	31.8	36.2	36.4	13.1	45.5	56.7	51.0	55.9	42.0
6 Brownlee	156	159	172	155	162	184	199	164	200	203	205	229	196	175	183
7 Cabinet Gorge	44.2	39.8	34.5	65.9	55.3	76.5	59.9	67.2	62.0	62.6	77.1	195	219	111	88.2
8 Chelan Lake	56.6	36.4	14.6	55.0	4.28	56.3	55.5	5.25	11.5	50.6	20.9	39.7	56.0	56.8	36.8
9 Chief Joseph	1399	1185	818	930	1303	1240	976	1037	917	908	912	1447	1161	1171	1101
10 Cushman 1	36.2	30.3	3.24	3.19	3.13	22.0	9.51	2.45	2.67	2.94	3.13	24.2	21.1	2.80	11.0
11 Cushman 2	67.1	61.6	0.03	0.10	0.33	52.4	22.0	0.49	0.36	0.20	0.20	54.5	51.0	0.03	20.7
12 Diablo	75.3	56.5	71.3	52.7	41.4	111	157	66.2	77.0	108	66.6	81.3	103	95.8	84.3
13 Dworshak	403	338	185	57.9	57.7	57.5	57.3	57.0	57.0	57.4	58.3	64.0	212	404	137
14 Faraday	6.98	6.50	6.58	7.10	5.01	14.5	7.68	14.3	27.1	37.1	36.7	34.9	33.4	11.7	17.1
15 Gorge	87.9	67.6	82.5	62.7	49.3	127	167	76.1	91.3	111	81.5	100	126	114	97.8
16 Grand Coulee	2526	2100	1439	1671	2381	2240	1728	1838	1578	1486	1444	2316	1985	2117	1924
17 Hells Canyon	124	129	143	130	133	148	161	133	162	160	168	190	161	137	149
18 Hungry Horse	63.4	63.2	72.9	81.7	86.4	86.9	88.0	87.1	84.8	64.4	26.3	27.4	78.8	114	76.4
19 Ice Harbor	67.5	67.7	118	108	104	121	116	125	176	68.2	66.8	166	75.3	67.2	109
20 John Day	726	618	648	689	926	917	736	802	813	793	656	961	864	685	786
21 Kerr	44.9	44.9	44.9	92.9	83.7	109	101	102	86.1	72.6	45.4	146	178	138	98.8
22 La Grande	63.3	32.1	0	0	0	63.3	19.4	0.76	63.3	63.3	23.8	63.3	63.3	0	30.6
23 Libby	188	187	185	93.9	251	192	87.8	87.0	86.2	85.7	85.7	424	465	161	192
24 Little Falls	9.51	9.32	11.5	13.1	10.8	20.3	11.1	11.6	18.3	36.4	34.2	33.6	36.0	14.9	18.8
25 Little Goose	118	145	129	108	105	120	118	111	169	156	186	338	250	147	158
26 Long Lake	25.8	25.4	30.0	33.5	28.4	49.5	27.7	28.7	45.1	72.5	72.5	72.5	72.5	37.1	43.6
27 Lower Baker	33.1	19.9	1.42	38.2	3.63	71.4	39.5	6.41	1.99	6.83	59.3	65.0	70.8	54.7	34.7
28 Lower Granite	99.9	154	133	102	103	121	119	112	171	83.3	134	323	235	91.4	146
29 Lower Monumental	84.5	121	124	111	106	124	119	129	182	85.4	124	346	245	99.2	150
30 Mayfield	27.0	20.2	40.8	55.4	55.4	169	68.1	48.8	69.9	69.9	69.9	8.36	138	47.4	66.3
31 McNary	346	292	443	468	597	591	479	523	507	459	360	586	487	340	479
32 Merwin	19.7	17.0	16.7	26.4	68.2	124	40.8	31.9	69.6	109	60.5	28.8	75.1	24.4	50.8
33 Monroe Street	7.00	7.22	9.84	10.3	9.12	11.5	9.53	8.55	13.1	14.3	14.3	14.3	14.3	11.6	11.1
34 Mossyrock	50.1	38.4	71.8	88.4	88.1	252	62.7	32.4	52.4	46.0	41.0	0	276	84.9	91.6
35 Nine Mile	6.15	6.15	7.82	8.22	7.37	9.28	7.46	7.28	13.4	17.3	16.5	16.2	17.2	9.47	10.6
36 North Fork	7.85	7.32	7.40	9.99	5.64	16.3	8.64	16.1	30.5	47.1	41.3	47.1	37.6	13.1	20.2
37 Noxon Rapids	56.2	55.8	46.0	93.3	77.6	109	84.3	94.7	87.5	94.6	103	292	333	158	128
38 Oak Grove	14.5	20.2	20.0	29.3	14.1	25.1	17.0	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.3
39 Oxbow	64.4	66.8	74.1	67.3	68.5	75.4	81.9	67.3	80.4	79.7	79.7	88.2	75.5	69.7	74.5
40 Pelton	39.6	39.6	42.3	43.5	41.1	37.4	34.9	38.7	40.5	44.6	46.6	44.2	40.1	42.9	40.9
41 Pelton Rereq	8.09	8.09	6.54	9.00	8.43	7.56	6.96	7.86	8.30	9.28	9.73	9.18	8.20	8.86	8.21
42 Post Falls	1.80	2.05	3.94	4.76	3.87	5.81	4.62	3.82	9.03	16.6	15.0	13.2	16.7	4.50	7.33
43 Priest Rapids	428	401	329	382	520	517	415	421	375	373	235	479	470	369	416
44 River Mill	4.45	4.15	4.20	4.53	3.20	9.23	4.90	9.14	17.3	22.1	22.1	21.4	17.9	7.45	10.5
45 Rock Island	319	329	271	305	366	360	318	325	296	297	275	372	337	300	322
46 Rocky Reach	683	615	443	514	696	676	539	555	497	498	494	800	684	600	596
47 Ross	53.7	39.5	65.1	51.8	46.9	122	169	62.1	65.0	89.5	49.2	59.0	70.9	73.7	75.4
48 Round Butte	84.0	84.0	90.5	93.3	86.8	77.5	71.6	80.5	84.9	94.9	100	94.6	84.8	91.8	86.5
49 Swift 1	31.0	26.3	14.2	37.7	126	115	25.4	25.5	45.3	154	0.02	27.4	152	47.3	60.1
50 Swift 2	9.02	7.67	4.13	11.1	43.2	49.9	12.1	12.1	20.7	69.0	0.01	9.81	45.6	13.4	22.0
51 The Dalles	484	411	521	547	723	744	600	656	649	597	452	696	625	481	601
52 Thompson Falls	30.5	29.3	29.1	42.7	40.5	46.5	42.0	45.3	44.0	39.9	36.4	83.3	79.5	62.0	48.6
53 Upper Baker	29.8	23.6	16.1	28.6	20.2	64.9	8.61	6.66	0.01	13.8	37.0	73.1	91.9	55.6	35.0
54 Upper Falls	4.16	4.33	6.53	6.96	5.91	8.34	6.27	5.41	10.2	9.38	8.68	8.44	9.15	8.37	7.42
55 Wanapum	417	359	264	316	479	474	354	363	316	313	197	471	461	346	374
56 Wells	425	369	272	309	429	408	323	341	303	293	279	445	390	366	356
57 Yale	22.7	19.3	11.1	27.8	105	120	52.8	32.0	60.5	106	81.0	0	119	30.1	56.0



**Table A-7: Regional: Regulated Hydro**  
**Operating Year 2026 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Total Regulated Hydro</b>															
58 Federal Entities	6691	5836	5245	5426	7308	7121	5696	6076	5892	5216	4663	8133	7053	6079	6271
59 Investor Owned Utilities	1204	1156	1068	1334	1537	1905	1404	1320	1499	1819	1610	2242	2512	1629	1613
60 Marketer	416	391	313	356	455	443	365	377	344	349	309	478	432	376	390
61 Municipality	736	575	587	729	720	1308	947	586	749	662	679	1129	1774	883	897
62 Public Utility District	1548	1386	1051	1275	1685	1687	1328	1322	1196	1240	996	1729	1641	1390	1408
<b>63 Total Regulated Hydro</b>	<b>10594</b>	<b>9344</b>	<b>8264</b>	<b>9120</b>	<b>11705</b>	<b>12465</b>	<b>9740</b>	<b>9680</b>	<b>9681</b>	<b>9285</b>	<b>8256</b>	<b>13712</b>	<b>13412</b>	<b>10356</b>	<b>10579</b>

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***Exhibit 27***  
***Table A-8: Regional Independent Hydro***  
  
***Monthly Energy***  
***Operating Year 2017 to 2026***  
***Using 1937-Water Conditions***

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**Table A-8: Regional: Independent Hydro**  
**Operating Year 2017 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Independent Hydro</b>															
1 American Falls Hydroelectric	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9	43.2
2 Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0	5.83
4 Ashton	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63	0.45
6 Big Cliff	6.00	6.00	9.00	8.00	13.0	6.00	4.00	6.00	7.00	9.00	11.0	20.0	20.0	7.00	9.66
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39	2.71
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9 Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.1
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50	1.12
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30	0.30
12 Carmen-Smith	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14 Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.60
16 CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18 Cougar	23.0	22.0	16.0	27.0	23.0	9.00	6.00	8.00	10.00	29.0	29.0	29.0	29.0	17.0	18.8
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9	26.2
20 Detroit	11.7	11.5	20.2	44.9	47.5	20.9	21.7	17.7	25.3	34.6	37.2	102	37.9	13.0	33.3
21 Dexter	5.00	7.00	6.00	12.0	16.0	4.00	3.00	5.00	5.00	12.0	17.0	17.0	17.0	6.00	9.29
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0	0.36
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24 Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.84
25 Foster	6.00	6.00	12.0	10.00	7.00	9.00	4.00	9.00	21.0	19.0	18.0	21.0	23.0	6.00	12.2
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0	8.28
27 Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28 Green Peter	15.0	15.0	29.0	18.0	16.0	18.0	8.00	0	33.0	88.0	45.0	58.0	49.0	11.0	26.9
29 Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
30 Helloaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19	0.22
31 Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	43.0
32 Hills Creek	9.00	9.00	23.0	23.0	27.0	5.00	4.00	6.00	7.00	20.0	31.0	35.0	35.0	14.0	17.8
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.32
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39	1.55
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81	2.30
39 John Boyle	0	0	9.28	33.2	39.6	44.7	45.1	52.1	78.0	82.0	82.0	28.3	20.7	0	35.9
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68	2.93
41 Last Chance	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.43
43 Lookout Point	21.0	26.0	22.0	45.0	47.0	9.00	8.00	12.0	15.0	45.0	74.0	85.0	73.0	24.0	35.3
44 Lost Creek	44.0	39.0	23.0	37.0	19.0	19.0	18.0	13.0	14.0	15.0	16.0	56.0	56.0	46.0	30.0
45 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46 Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
47 McNary Fishway	8.83	8.83	9.36	9.42	8.75	8.00	5.91	5.89	8.41	9.43	9.43	9.27	8.59	9.31	8.45
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2	27.8
50 Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95	1.88
52 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53 North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54 Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8	11.9
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.2
57 Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23	0.17

**Table A-8: Regional: Independent Hydro**  
**Operating Year 2017 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59 Roque	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.88
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35	5.84
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85	6.99
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9
64 Soda Creek 4	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40	6.55
68 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.22
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51	1.03
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7	11.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85	4.46
73 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.28
74 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8	24.6
77 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14	8.41
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38	7.71
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60	0.51
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.72
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49	3.38
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94	7.22
<b>Total Independent Hydro</b>															
84 Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87	7.12
85 Federal Entities	361	358	332	322	271	179	145	152	252	435	445	718	664	403	354
86 Investor Owned Utilities	507	501	513	488	451	500	452	508	556	685	691	626	616	539	537
87 Municipality	65.7	65.5	68.7	56.1	52.9	73.1	74.2	84.5	94.8	96.6	99.2	131	152	89.3	86.6
88 Public Utility District	49.6	55.5	40.5	39.8	35.8	96.3	46.1	29.0	60.4	86.9	86.9	114	131	85.6	68.4
<b>89 Total Independent Hydro</b>	<b>991</b>	<b>988</b>	<b>959</b>	<b>910</b>	<b>817</b>	<b>854</b>	<b>723</b>	<b>779</b>	<b>969</b>	<b>1311</b>	<b>1330</b>	<b>1600</b>	<b>1574</b>	<b>1127</b>	<b>1053</b>

**Table A-8: Regional: Independent Hydro**  
**Operating Year 2018 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Independent Hydro</b>															
1 American Falls Hydroelectric	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9	43.2
2 Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0	5.83
4 Ashton	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63	0.45
6 Big Cliff	6.00	6.00	9.00	8.00	13.0	6.00	4.00	6.00	7.00	9.00	11.0	20.0	20.0	7.00	9.66
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39	2.71
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9 Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.1
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50	1.12
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30	0.30
12 Carmen-Smith	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14 Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.60
16 CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18 Cougar	23.0	22.0	16.0	27.0	23.0	9.00	6.00	8.00	10.00	29.0	29.0	29.0	29.0	17.0	18.8
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9	26.2
20 Detroit	11.7	11.5	20.2	44.9	47.5	20.9	21.7	17.7	25.3	34.6	37.2	102	37.9	13.0	33.3
21 Dexter	5.00	7.00	6.00	12.0	16.0	4.00	3.00	5.00	5.00	12.0	17.0	17.0	17.0	6.00	9.29
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0	0.36
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24 Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.84
25 Foster	6.00	6.00	12.0	10.00	7.00	9.00	4.00	9.00	21.0	19.0	18.0	21.0	23.0	6.00	12.2
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0	8.28
27 Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28 Green Peter	15.0	15.0	29.0	18.0	16.0	18.0	8.00	0	33.0	88.0	45.0	58.0	49.0	11.0	26.9
29 Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
30 Helloaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19	0.22
31 Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	43.0
32 Hills Creek	9.00	9.00	23.0	23.0	27.0	5.00	4.00	6.00	7.00	20.0	31.0	35.0	35.0	14.0	17.8
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.32
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39	1.55
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81	2.30
39 John Boyle	0	0	9.28	33.2	39.6	44.7	45.1	52.1	78.0	82.0	82.0	28.3	20.7	0	35.9
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68	2.93
41 Last Chance	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.43
43 Lookout Point	21.0	26.0	22.0	45.0	47.0	9.00	8.00	12.0	15.0	45.0	74.0	85.0	73.0	24.0	35.3
44 Lost Creek	44.0	39.0	23.0	37.0	19.0	19.0	18.0	13.0	14.0	15.0	16.0	56.0	56.0	46.0	30.0
45 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46 Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
47 McNary Fishway	8.83	8.83	9.36	9.42	8.75	8.00	5.91	5.89	8.41	9.43	9.43	9.27	8.59	9.31	8.45
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2	27.8
50 Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95	1.88
52 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53 North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54 Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8	11.9
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.2
57 Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23	0.17

**Table A-8: Regional: Independent Hydro**  
**Operating Year 2018 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59 Roque	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.88
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35	5.84
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85	6.99
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9
64 Soda Creek 4	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40	6.55
68 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.22
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51	1.03
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7	11.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85	4.46
73 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.28
74 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8	24.6
77 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14	8.41
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38	7.71
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60	0.51
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.72
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49	3.38
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94	7.22
<b>Total Independent Hydro</b>															
84 Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87	7.12
85 Federal Entities	361	358	332	322	271	179	145	152	252	435	445	718	664	403	354
86 Investor Owned Utilities	507	501	513	488	451	500	452	508	556	685	691	626	616	539	537
87 Municipality	65.7	65.5	68.7	56.1	52.9	73.1	74.2	84.5	94.8	96.6	99.2	131	152	89.3	86.6
88 Public Utility District	49.6	55.5	40.5	39.8	35.8	96.3	46.1	29.0	60.4	86.9	86.9	114	131	85.6	68.4
<b>89 Total Independent Hydro</b>	<b>991</b>	<b>988</b>	<b>959</b>	<b>910</b>	<b>817</b>	<b>854</b>	<b>723</b>	<b>779</b>	<b>969</b>	<b>1311</b>	<b>1330</b>	<b>1600</b>	<b>1574</b>	<b>1127</b>	<b>1053</b>

**Table A-8: Regional: Independent Hydro**  
**Operating Year 2019 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Independent Hydro</b>															
1 American Falls Hydroelectric	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9	43.2
2 Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0	5.83
4 Ashton	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63	0.45
6 Big Cliff	6.00	6.00	9.00	8.00	13.0	6.00	4.00	6.00	7.00	9.00	11.0	20.0	20.0	7.00	9.66
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39	2.71
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9 Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.1
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50	1.12
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30	0.30
12 Carmen-Smith	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14 Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.60
16 CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18 Cougar	23.0	22.0	16.0	27.0	23.0	9.00	6.00	8.00	10.00	29.0	29.0	29.0	29.0	17.0	18.8
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9	26.2
20 Detroit	11.7	11.5	20.2	44.9	47.5	20.9	21.7	17.7	25.3	34.6	37.2	102	37.9	13.0	33.3
21 Dexter	5.00	7.00	6.00	12.0	16.0	4.00	3.00	5.00	5.00	12.0	17.0	17.0	17.0	6.00	9.29
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0	0.36
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24 Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.84
25 Foster	6.00	6.00	12.0	10.00	7.00	9.00	4.00	9.00	21.0	19.0	18.0	21.0	23.0	6.00	12.2
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0	8.28
27 Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28 Green Peter	15.0	15.0	29.0	18.0	16.0	18.0	8.00	0	33.0	88.0	45.0	58.0	49.0	11.0	26.9
29 Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
30 Helloaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19	0.22
31 Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	43.0
32 Hills Creek	9.00	9.00	23.0	23.0	27.0	5.00	4.00	6.00	7.00	20.0	31.0	35.0	35.0	14.0	17.8
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.32
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39	1.55
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81	2.30
39 John Boyle	0	0	9.28	33.2	39.6	44.7	45.1	52.1	78.0	82.0	82.0	28.3	20.7	0	35.9
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68	2.93
41 Last Chance	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.43
43 Lookout Point	21.0	26.0	22.0	45.0	47.0	9.00	8.00	12.0	15.0	45.0	74.0	85.0	73.0	24.0	35.3
44 Lost Creek	44.0	39.0	23.0	37.0	19.0	19.0	18.0	13.0	14.0	15.0	16.0	56.0	56.0	46.0	30.0
45 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46 Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
47 McNary Fishway	8.83	8.83	9.36	9.42	8.75	8.00	5.91	5.89	8.41	9.43	9.43	9.27	8.59	9.31	8.45
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2	27.8
50 Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95	1.88
52 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53 North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54 Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8	11.9
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.2
57 Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23	0.17



**Table A-8: Regional: Independent Hydro**  
**Operating Year 2019 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59 Roque	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.88
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35	5.84
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85	6.99
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9
64 Soda Creek 4	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40	6.55
68 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.22
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51	1.03
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7	11.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85	4.46
73 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.28
74 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8	24.6
77 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14	8.41
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38	7.71
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60	0.51
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.72
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49	3.38
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94	7.22
<b>Total Independent Hydro</b>															
84 Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87	7.12
85 Federal Entities	361	358	332	322	271	179	145	152	252	435	445	718	664	403	354
86 Investor Owned Utilities	507	501	513	488	451	500	452	508	556	685	691	626	616	539	537
87 Municipality	65.7	65.5	68.7	56.1	52.9	73.1	74.2	84.5	94.8	96.6	99.2	131	152	89.3	86.6
88 Public Utility District	49.6	55.5	40.5	39.8	35.8	96.3	46.1	29.0	60.4	86.9	86.9	114	131	85.6	68.4
<b>89 Total Independent Hydro</b>	<b>991</b>	<b>988</b>	<b>959</b>	<b>910</b>	<b>817</b>	<b>854</b>	<b>723</b>	<b>779</b>	<b>969</b>	<b>1311</b>	<b>1330</b>	<b>1600</b>	<b>1574</b>	<b>1127</b>	<b>1053</b>

**Table A-8: Regional: Independent Hydro**  
**Operating Year 2020 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Independent Hydro</b>															
1 American Falls Hydroelectric	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9	43.2
2 Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0	5.83
4 Ashton	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63	0.45
6 Big Cliff	6.00	6.00	9.00	8.00	13.0	6.00	4.00	6.00	7.00	9.00	11.0	20.0	20.0	7.00	9.65
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39	2.71
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9 Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.0
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50	1.12
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30	0.30
12 Carmen-Smith	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14 Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.61
16 CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18 Cougar	23.0	22.0	16.0	27.0	23.0	9.00	6.00	8.00	10.00	29.0	29.0	29.0	29.0	17.0	18.8
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9	26.2
20 Detroit	11.7	11.5	20.2	44.9	47.5	20.9	21.7	17.7	25.3	34.6	37.2	102	37.9	13.0	33.2
21 Dexter	5.00	7.00	6.00	12.0	16.0	4.00	3.00	5.00	5.00	12.0	17.0	17.0	17.0	6.00	9.27
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0	0.36
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24 Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.83
25 Foster	6.00	6.00	12.0	10.00	7.00	9.00	4.00	9.00	21.0	19.0	18.0	21.0	23.0	6.00	12.2
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0	8.30
27 Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28 Green Peter	15.0	15.0	29.0	18.0	16.0	18.0	8.00	0	33.0	88.0	45.0	58.0	49.0	11.0	26.8
29 Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
30 Helloaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19	0.22
31 Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	42.9
32 Hills Creek	9.00	9.00	23.0	23.0	27.0	5.00	4.00	6.00	7.00	20.0	31.0	35.0	35.0	14.0	17.8
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.32
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39	1.55
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81	2.30
39 John Boyle	0	0	9.28	33.2	39.6	44.7	45.1	52.1	78.0	82.0	82.0	28.3	20.7	0	36.0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68	2.92
41 Last Chance	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.44
43 Lookout Point	21.0	26.0	22.0	45.0	47.0	9.00	8.00	12.0	15.0	45.0	74.0	85.0	73.0	24.0	35.2
44 Lost Creek	44.0	39.0	23.0	37.0	19.0	19.0	18.0	13.0	14.0	15.0	16.0	56.0	56.0	46.0	29.9
45 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46 Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
47 McNary Fishway	8.83	8.83	9.36	9.42	8.75	8.00	5.91	5.89	8.41	9.43	9.43	9.27	8.59	9.31	8.44
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2	27.8
50 Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95	1.88
52 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53 North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54 Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8	11.9
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.0
57 Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23	0.17

**Table A-8: Regional: Independent Hydro**  
**Operating Year 2020 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59 Roque	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.87
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35	5.84
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85	6.97
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9
64 Soda Creek 4	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40	6.54
68 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.21
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51	1.03
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7	11.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85	4.45
73 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.27
74 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8	24.6
77 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14	8.41
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38	7.71
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60	0.51
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.73
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49	3.39
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94	7.21
<b>Total Independent Hydro</b>															
84 Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87	7.12
85 Federal Entities	361	358	332	322	271	179	145	152	252	435	445	718	664	403	354
86 Investor Owned Utilities	507	501	513	488	451	500	452	508	556	685	691	626	616	539	536
87 Municipality	65.7	65.5	68.7	56.1	52.9	73.1	74.2	84.5	94.8	96.6	99.2	131	152	89.3	86.6
88 Public Utility District	49.6	55.5	40.5	39.8	35.8	96.3	46.1	29.0	60.4	86.9	86.9	114	131	85.6	68.3
<b>89 Total Independent Hydro</b>	<b>991</b>	<b>988</b>	<b>959</b>	<b>910</b>	<b>817</b>	<b>854</b>	<b>723</b>	<b>779</b>	<b>969</b>	<b>1311</b>	<b>1330</b>	<b>1600</b>	<b>1574</b>	<b>1127</b>	<b>1052</b>

**Table A-8: Regional: Independent Hydro**  
**Operating Year 2021 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Independent Hydro</b>															
1 American Falls Hydroelectric	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9	43.2
2 Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0	5.83
4 Ashton	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63	0.45
6 Big Cliff	6.00	6.00	9.00	8.00	13.0	6.00	4.00	6.00	7.00	9.00	11.0	20.0	20.0	7.00	9.66
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39	2.71
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9 Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.1
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50	1.12
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30	0.30
12 Carmen-Smith	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14 Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.60
16 CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18 Cougar	23.0	22.0	16.0	27.0	23.0	9.00	6.00	8.00	10.00	29.0	29.0	29.0	29.0	17.0	18.8
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9	26.2
20 Detroit	11.7	11.5	20.2	44.9	47.5	20.9	21.7	17.7	25.3	34.6	37.2	102	37.9	13.0	33.3
21 Dexter	5.00	7.00	6.00	12.0	16.0	4.00	3.00	5.00	5.00	12.0	17.0	17.0	17.0	6.00	9.29
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0	0.36
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24 Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.84
25 Foster	6.00	6.00	12.0	10.00	7.00	9.00	4.00	9.00	21.0	19.0	18.0	21.0	23.0	6.00	12.2
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0	8.28
27 Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28 Green Peter	15.0	15.0	29.0	18.0	16.0	18.0	8.00	0	33.0	88.0	45.0	58.0	49.0	11.0	26.9
29 Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
30 Helloaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19	0.22
31 Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	43.0
32 Hills Creek	9.00	9.00	23.0	23.0	27.0	5.00	4.00	6.00	7.00	20.0	31.0	35.0	35.0	14.0	17.8
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.32
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39	1.55
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81	2.30
39 John Boyle	0	0	9.28	33.2	39.6	44.7	0	0	0	0	0	0	0	0	10.6
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68	2.93
41 Last Chance	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.43
43 Lookout Point	21.0	26.0	22.0	45.0	47.0	9.00	8.00	12.0	15.0	45.0	74.0	85.0	73.0	24.0	35.3
44 Lost Creek	44.0	39.0	23.0	37.0	19.0	19.0	18.0	13.0	14.0	15.0	16.0	56.0	56.0	46.0	30.0
45 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46 Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
47 McNary Fishway	8.83	8.83	9.36	9.42	8.75	8.00	5.91	5.89	8.41	9.43	9.43	9.27	8.59	9.31	8.45
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2	27.8
50 Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95	1.88
52 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53 North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54 Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8	11.9
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.2
57 Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23	0.17

**Table A-8: Regional: Independent Hydro**  
**Operating Year 2021 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59 Roque	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.88
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35	5.84
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85	6.99
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9
64 Soda Creek 4	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40	6.55
68 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.22
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51	1.03
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7	11.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85	4.46
73 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.28
74 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8	24.6
77 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14	8.41
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38	7.71
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60	0.51
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.72
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49	3.38
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94	7.22
<b>Total Independent Hydro</b>															
84 Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87	7.12
85 Federal Entities	361	358	332	322	271	179	145	152	252	435	445	718	664	403	354
86 Investor Owned Utilities	507	501	513	488	451	500	406	456	478	603	609	598	595	539	511
87 Municipality	65.7	65.5	68.7	56.1	52.9	73.1	74.2	84.5	94.8	96.6	99.2	131	152	89.3	86.6
88 Public Utility District	49.6	55.5	40.5	39.8	35.8	96.3	46.1	29.0	60.4	86.9	86.9	114	131	85.6	68.4
<b>89 Total Independent Hydro</b>	<b>991</b>	<b>988</b>	<b>959</b>	<b>910</b>	<b>817</b>	<b>854</b>	<b>678</b>	<b>727</b>	<b>891</b>	<b>1229</b>	<b>1248</b>	<b>1572</b>	<b>1553</b>	<b>1127</b>	<b>1027</b>

**Table A-8: Regional: Independent Hydro**  
**Operating Year 2022 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Independent Hydro</b>															
1 American Falls Hydroelectric	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9	43.2
2 Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0	5.83
4 Ashton	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63	0.45
6 Big Cliff	6.00	6.00	9.00	8.00	13.0	6.00	4.00	6.00	7.00	9.00	11.0	20.0	20.0	7.00	9.66
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39	2.71
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9 Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.1
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50	1.12
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30	0.30
12 Carmen-Smith	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14 Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.60
16 CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18 Cougar	23.0	22.0	16.0	27.0	23.0	9.00	6.00	8.00	10.00	29.0	29.0	29.0	29.0	17.0	18.8
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9	26.2
20 Detroit	11.7	11.5	20.2	44.9	47.5	20.9	21.7	17.7	25.3	34.6	37.2	102	37.9	13.0	33.3
21 Dexter	5.00	7.00	6.00	12.0	16.0	4.00	3.00	5.00	5.00	12.0	17.0	17.0	17.0	6.00	9.29
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0	0.36
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24 Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.84
25 Foster	6.00	6.00	12.0	10.00	7.00	9.00	4.00	9.00	21.0	19.0	18.0	21.0	23.0	6.00	12.2
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0	8.28
27 Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28 Green Peter	15.0	15.0	29.0	18.0	16.0	18.0	8.00	0	33.0	88.0	45.0	58.0	49.0	11.0	26.9
29 Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
30 Helloaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19	0.22
31 Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	43.0
32 Hills Creek	9.00	9.00	23.0	23.0	27.0	5.00	4.00	6.00	7.00	20.0	31.0	35.0	35.0	14.0	17.8
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.32
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39	1.55
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81	2.30
39 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68	2.93
41 Last Chance	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.43
43 Lookout Point	21.0	26.0	22.0	45.0	47.0	9.00	8.00	12.0	15.0	45.0	74.0	85.0	73.0	24.0	35.3
44 Lost Creek	44.0	39.0	23.0	37.0	19.0	19.0	18.0	13.0	14.0	15.0	16.0	56.0	56.0	46.0	30.0
45 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46 Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
47 McNary Fishway	8.83	8.83	9.36	9.42	8.75	8.00	5.91	5.89	8.41	9.43	9.43	9.27	8.59	9.31	8.45
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2	27.8
50 Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95	1.88
52 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53 North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54 Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8	11.9
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.2
57 Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23	0.17

**Table A-8: Regional: Independent Hydro**  
**Operating Year 2022 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59 Roque	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.88
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35	5.84
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85	6.99
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9
64 Soda Creek 4	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40	6.55
68 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.22
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51	1.03
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7	11.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85	4.46
73 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.28
74 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8	24.6
77 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14	8.41
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38	7.71
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60	0.51
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.72
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49	3.38
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94	7.22
<b>Total Independent Hydro</b>															
84 Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87	7.12
85 Federal Entities	361	358	332	308	255	158	123	132	237	425	435	712	654	391	342
86 Investor Owned Utilities	507	501	504	455	412	455	406	456	478	603	609	598	595	539	501
87 Municipality	65.7	65.5	68.7	69.3	69.4	94.7	96.4	105	109	106	109	138	161	102	98.9
88 Public Utility District	49.6	55.5	40.5	39.8	35.8	96.3	46.1	29.0	60.4	86.9	86.9	114	131	85.6	68.4
<b>89 Total Independent Hydro</b>	<b>991</b>	<b>988</b>	<b>950</b>	<b>877</b>	<b>777</b>	<b>809</b>	<b>678</b>	<b>727</b>	<b>891</b>	<b>1229</b>	<b>1248</b>	<b>1572</b>	<b>1553</b>	<b>1127</b>	<b>1017</b>



**Table A-8: Regional: Independent Hydro**  
**Operating Year 2023 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Independent Hydro</b>															
1 American Falls Hydroelectric	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9	43.2
2 Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0	5.83
4 Ashton	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63	0.45
6 Big Cliff	6.00	6.00	9.00	8.00	13.0	6.00	4.00	6.00	7.00	9.00	11.0	20.0	20.0	7.00	9.66
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39	2.71
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9 Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.1
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50	1.12
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30	0.30
12 Carmen-Smith	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14 Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.60
16 CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18 Cougar	23.0	22.0	16.0	27.0	23.0	9.00	6.00	8.00	10.00	29.0	29.0	29.0	29.0	17.0	18.8
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9	26.2
20 Detroit	11.7	11.5	20.2	44.9	47.5	20.9	21.7	17.7	25.3	34.6	37.2	102	37.9	13.0	33.3
21 Dexter	5.00	7.00	6.00	12.0	16.0	4.00	3.00	5.00	5.00	12.0	17.0	17.0	17.0	6.00	9.29
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0	0.36
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24 Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.84
25 Foster	6.00	6.00	12.0	10.00	7.00	9.00	4.00	9.00	21.0	19.0	18.0	21.0	23.0	6.00	12.2
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0	8.28
27 Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28 Green Peter	15.0	15.0	29.0	18.0	16.0	18.0	8.00	0	33.0	88.0	45.0	58.0	49.0	11.0	26.9
29 Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
30 Helloaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19	0.22
31 Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	43.0
32 Hills Creek	9.00	9.00	23.0	23.0	27.0	5.00	4.00	6.00	7.00	20.0	31.0	35.0	35.0	14.0	17.8
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.32
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39	1.55
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81	2.30
39 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68	2.93
41 Last Chance	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.43
43 Lookout Point	21.0	26.0	22.0	45.0	47.0	9.00	8.00	12.0	15.0	45.0	74.0	85.0	73.0	24.0	35.3
44 Lost Creek	44.0	39.0	23.0	37.0	19.0	19.0	18.0	13.0	14.0	15.0	16.0	56.0	56.0	46.0	30.0
45 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46 Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
47 McNary Fishway	8.83	8.83	9.36	9.42	8.75	8.00	5.91	5.89	8.41	9.43	9.43	9.27	8.59	9.31	8.45
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2	27.8
50 Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95	1.88
52 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53 North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54 Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8	11.9
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.2
57 Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23	0.17



**Table A-8: Regional: Independent Hydro**  
**Operating Year 2023 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59 Roque	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.88
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35	5.84
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85	6.99
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9
64 Soda Creek 4	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40	6.55
68 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.22
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51	1.03
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7	11.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85	4.46
73 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.28
74 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8	24.6
77 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14	8.41
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38	7.71
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60	0.51
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.72
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49	3.38
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94	7.22
<b>Total Independent Hydro</b>															
84 Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87	7.12
85 Federal Entities	351	349	321	308	255	158	123	132	237	425	435	712	654	391	340
86 Investor Owned Utilities	507	501	504	455	412	455	406	456	478	603	609	598	595	539	501
87 Municipality	75.5	75.3	79.3	69.3	69.4	94.7	96.4	105	109	106	109	138	161	102	101
88 Public Utility District	49.6	55.5	40.5	39.8	35.8	96.3	46.1	29.0	60.4	86.9	86.9	114	131	85.6	68.4
<b>89 Total Independent Hydro</b>	<b>991</b>	<b>988</b>	<b>950</b>	<b>877</b>	<b>777</b>	<b>809</b>	<b>678</b>	<b>727</b>	<b>891</b>	<b>1229</b>	<b>1248</b>	<b>1572</b>	<b>1553</b>	<b>1127</b>	<b>1017</b>

**Table A-8: Regional: Independent Hydro**  
**Operating Year 2024 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Independent Hydro</b>															
1 American Falls Hydroelectric	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9	43.2
2 Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0	5.83
4 Ashton	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63	0.45
6 Big Cliff	6.00	6.00	9.00	8.00	13.0	6.00	4.00	6.00	7.00	9.00	11.0	20.0	20.0	7.00	9.65
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39	2.71
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9 Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.0
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50	1.12
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30	0.30
12 Carmen-Smith	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14 Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.61
16 CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18 Cougar	23.0	22.0	16.0	27.0	23.0	9.00	6.00	8.00	10.00	29.0	29.0	29.0	29.0	17.0	18.8
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9	26.2
20 Detroit	11.7	11.5	20.2	44.9	47.5	20.9	21.7	17.7	25.3	34.6	37.2	102	37.9	13.0	33.2
21 Dexter	5.00	7.00	6.00	12.0	16.0	4.00	3.00	5.00	5.00	12.0	17.0	17.0	17.0	6.00	9.27
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0	0.36
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24 Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.83
25 Foster	6.00	6.00	12.0	10.00	7.00	9.00	4.00	9.00	21.0	19.0	18.0	21.0	23.0	6.00	12.2
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0	8.30
27 Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28 Green Peter	15.0	15.0	29.0	18.0	16.0	18.0	8.00	0	33.0	88.0	45.0	58.0	49.0	11.0	26.8
29 Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
30 Helloaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19	0.22
31 Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	42.9
32 Hills Creek	9.00	9.00	23.0	23.0	27.0	5.00	4.00	6.00	7.00	20.0	31.0	35.0	35.0	14.0	17.8
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.32
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39	1.55
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81	2.30
39 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68	2.92
41 Last Chance	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.44
43 Lookout Point	21.0	26.0	22.0	45.0	47.0	9.00	8.00	12.0	15.0	45.0	74.0	85.0	73.0	24.0	35.2
44 Lost Creek	44.0	39.0	23.0	37.0	19.0	19.0	18.0	13.0	14.0	15.0	16.0	56.0	56.0	46.0	29.9
45 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46 Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
47 McNary Fishway	8.83	8.83	9.36	9.42	8.75	8.00	5.91	5.89	8.41	9.43	9.43	9.27	8.59	9.31	8.44
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2	27.8
50 Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95	1.88
52 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53 North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54 Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8	11.9
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.0
57 Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23	0.17

**Table A-8: Regional: Independent Hydro**  
**Operating Year 2024 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59 Roque	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.87
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35	5.84
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85	6.97
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9
64 Soda Creek 4	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40	6.54
68 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.21
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51	1.03
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7	11.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85	4.45
73 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.27
74 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8	24.6
77 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14	8.41
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38	7.71
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60	0.51
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.73
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49	3.39
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94	7.21
<b>Total Independent Hydro</b>															
84 Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87	7.12
85 Federal Entities	351	349	321	308	255	158	123	132	237	425	435	712	654	391	340
86 Investor Owned Utilities	507	501	504	455	412	455	406	456	478	603	609	598	595	539	500
87 Municipality	75.5	75.3	79.3	69.3	69.4	94.7	96.4	105	109	106	109	138	161	102	101
88 Public Utility District	49.6	55.5	40.5	39.8	35.8	96.3	46.1	29.0	60.4	86.9	86.9	114	131	85.6	68.3
<b>89 Total Independent Hydro</b>	<b>991</b>	<b>988</b>	<b>950</b>	<b>877</b>	<b>777</b>	<b>809</b>	<b>678</b>	<b>727</b>	<b>891</b>	<b>1229</b>	<b>1248</b>	<b>1572</b>	<b>1553</b>	<b>1127</b>	<b>1016</b>

**Table A-8: Regional: Independent Hydro**  
**Operating Year 2025 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Independent Hydro</b>															
1 American Falls Hydroelectric	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9	43.2
2 Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0	5.83
4 Ashton	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63	0.45
6 Big Cliff	6.00	6.00	9.00	8.00	13.0	6.00	4.00	6.00	7.00	9.00	11.0	20.0	20.0	7.00	9.66
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39	2.71
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9 Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.1
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50	1.12
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30	0.30
12 Carmen-Smith	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14 Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.60
16 CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18 Cougar	23.0	22.0	16.0	27.0	23.0	9.00	6.00	8.00	10.00	29.0	29.0	29.0	29.0	17.0	18.8
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9	26.2
20 Detroit	11.7	11.5	20.2	44.9	47.5	20.9	21.7	17.7	25.3	34.6	37.2	102	37.9	13.0	33.3
21 Dexter	5.00	7.00	6.00	12.0	16.0	4.00	3.00	5.00	5.00	12.0	17.0	17.0	17.0	6.00	9.29
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0	0.36
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24 Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.84
25 Foster	6.00	6.00	12.0	10.00	7.00	9.00	4.00	9.00	21.0	19.0	18.0	21.0	23.0	6.00	12.2
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0	8.28
27 Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28 Green Peter	15.0	15.0	29.0	18.0	16.0	18.0	8.00	0	33.0	88.0	45.0	58.0	49.0	11.0	26.9
29 Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
30 Helloaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19	0.22
31 Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	43.0
32 Hills Creek	9.00	9.00	23.0	23.0	27.0	5.00	4.00	6.00	7.00	20.0	31.0	35.0	35.0	14.0	17.8
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.32
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39	1.55
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81	2.30
39 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68	2.93
41 Last Chance	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.43
43 Lookout Point	21.0	26.0	22.0	45.0	47.0	9.00	8.00	12.0	15.0	45.0	74.0	85.0	73.0	24.0	35.3
44 Lost Creek	44.0	39.0	23.0	37.0	19.0	19.0	18.0	13.0	14.0	15.0	16.0	56.0	56.0	46.0	30.0
45 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46 Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
47 McNary Fishway	8.83	8.83	9.36	9.42	8.75	8.00	5.91	5.89	8.41	9.43	9.43	9.27	8.59	9.31	8.45
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2	27.8
50 Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95	1.88
52 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53 North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54 Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8	11.9
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.2
57 Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23	0.17

**Table A-8: Regional: Independent Hydro**  
**Operating Year 2025 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59 Roque	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.88
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35	5.84
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85	6.99
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9
64 Soda Creek 4	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40	6.55
68 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.22
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51	1.03
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7	11.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85	4.46
73 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.28
74 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8	24.6
77 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14	8.41
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38	7.71
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60	0.51
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.72
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49	3.38
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94	7.22
<b>Total Independent Hydro</b>															
84 Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87	7.12
85 Federal Entities	351	349	321	308	255	158	123	132	237	425	435	712	654	391	340
86 Investor Owned Utilities	507	501	504	455	412	455	406	456	478	603	609	598	595	539	501
87 Municipality	75.5	75.3	79.3	69.3	69.4	94.7	96.4	105	109	106	109	138	161	102	101
88 Public Utility District	49.6	55.5	40.5	39.8	35.8	96.3	46.1	29.0	60.4	86.9	86.9	114	131	85.6	68.4
<b>89 Total Independent Hydro</b>	<b>991</b>	<b>988</b>	<b>950</b>	<b>877</b>	<b>777</b>	<b>809</b>	<b>678</b>	<b>727</b>	<b>891</b>	<b>1229</b>	<b>1248</b>	<b>1572</b>	<b>1553</b>	<b>1127</b>	<b>1017</b>

**Table A-8: Regional: Independent Hydro**  
**Operating Year 2026 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Independent Hydro</b>															
1 American Falls Hydroelectric	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9	43.2
2 Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0	5.83
4 Ashton	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63	0.45
6 Big Cliff	6.00	6.00	9.00	8.00	13.0	6.00	4.00	6.00	7.00	9.00	11.0	20.0	20.0	7.00	9.66
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39	2.71
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9 Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.1
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50	1.12
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30	0.30
12 Carmen-Smith	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14 Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.60
16 CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18 Cougar	23.0	22.0	16.0	27.0	23.0	9.00	6.00	8.00	10.00	29.0	29.0	29.0	29.0	17.0	18.8
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9	26.2
20 Detroit	11.7	11.5	20.2	44.9	47.5	20.9	21.7	17.7	25.3	34.6	37.2	102	37.9	13.0	33.3
21 Dexter	5.00	7.00	6.00	12.0	16.0	4.00	3.00	5.00	5.00	12.0	17.0	17.0	17.0	6.00	9.29
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0	0.36
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24 Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.84
25 Foster	6.00	6.00	12.0	10.00	7.00	9.00	4.00	9.00	21.0	19.0	18.0	21.0	23.0	6.00	12.2
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0	8.28
27 Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28 Green Peter	15.0	15.0	29.0	18.0	16.0	18.0	8.00	0	33.0	88.0	45.0	58.0	49.0	11.0	26.9
29 Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
30 Helloaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19	0.22
31 Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	43.0
32 Hills Creek	9.00	9.00	23.0	23.0	27.0	5.00	4.00	6.00	7.00	20.0	31.0	35.0	35.0	14.0	17.8
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.32
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39	1.55
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81	2.30
39 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68	2.93
41 Last Chance	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.43
43 Lookout Point	21.0	26.0	22.0	45.0	47.0	9.00	8.00	12.0	15.0	45.0	74.0	85.0	73.0	24.0	35.3
44 Lost Creek	44.0	39.0	23.0	37.0	19.0	19.0	18.0	13.0	14.0	15.0	16.0	56.0	56.0	46.0	30.0
45 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46 Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
47 McNary Fishway	8.83	8.83	9.36	9.42	8.75	8.00	5.91	5.89	8.41	9.43	9.43	9.27	8.59	9.31	8.45
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2	27.8
50 Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95	1.88
52 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53 North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54 Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8	11.9
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.2
57 Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23	0.17

**Table A-8: Regional: Independent Hydro**  
**Operating Year 2026 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59 Roque	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.88
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35	5.84
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85	6.99
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9
64 Soda Creek 4	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40	6.55
68 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.22
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51	1.03
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7	11.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85	4.46
73 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.28
74 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8	24.6
77 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14	8.41
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38	7.71
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60	0.51
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.72
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49	3.38
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94	7.22
<b>Total Independent Hydro</b>															
84 Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87	7.12
85 Federal Entities	351	349	321	308	255	158	123	132	237	425	435	712	654	391	340
86 Investor Owned Utilities	507	501	504	455	412	455	406	456	478	603	609	598	595	539	501
87 Municipality	75.5	75.3	79.3	69.3	69.4	94.7	96.4	105	109	106	109	138	161	102	101
88 Public Utility District	49.6	55.5	40.5	39.8	35.8	96.3	46.1	29.0	60.4	86.9	86.9	114	131	85.6	68.4
<b>89 Total Independent Hydro</b>	<b>991</b>	<b>988</b>	<b>950</b>	<b>877</b>	<b>777</b>	<b>809</b>	<b>678</b>	<b>727</b>	<b>891</b>	<b>1229</b>	<b>1248</b>	<b>1572</b>	<b>1553</b>	<b>1127</b>	<b>1017</b>

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***Exhibit 28***  
***Table A-9: Regional Small Hydro***

***Annual Energy***  
***Operating Year 2017 to 2026***  
***Using 1937-Water Conditions***

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**Table A-9: Regional: Small Hydro**  
**Operating Year 2017 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Small Hydro</b>															
1 Albany-Millersburg Hydroelectric	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2 Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31	0.16
4 Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.02
6 Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13	0.13
8 Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqq's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19	1.21
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11	0.06
15 Black Creek	3.08	3.08	2.78	1.85	2.78	2.78	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.96
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73	0.57
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
19 Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59	0.60
20 Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12	0.18
21 Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22 Buffalo Hydro	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
25 Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68	3.81
26 Canyon Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
27 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09
28 Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
29 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
30 C-Drop Hydro	1.09	0.78	0.10	0	0	0	0	0	0	0.53	0.53	1.09	1.09	1.09	0.41
31 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30	0.71
32 Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09	2.14
33 Cereghino	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
34 Chester Hydroelectric Plant	0.25	0.25	0.25	0.12	0.32	0.70	0.52	0.59	0.52	0.74	0.74	1.00	1.06	0.40	0.54
35 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43	0.44
36 Company Creek	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
37 Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	0	0	0	0	0	0
38 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80	0.44
39 Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07
40 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18	0.12
41 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
42 Cushman North Fork	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
43 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02	0.01
45 Denny Creek	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
46 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52	2.48
47 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07	0.07
48 Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09	0.85
49 Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
50 Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
52 Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20	0.94
53 Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
54 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0	1.95
55 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
56 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08	5.88
57 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45	1.49
58 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27	0.89

**Table A-9: Regional: Small Hydro**  
**Operating Year 2017 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 Continued**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82	0.60
60 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23	0.25
61 Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10	0.49
63 Forgy	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
64 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54	0.32
65 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97	0.54
66 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0	0.23
67 Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
68 Ground Water Pumping Station	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
69 Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
70 Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
71 Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97	3.03
72 Hettinger	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
73 Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22	6.56
74 Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
75 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0	0.27
76 James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20	0.14
77 Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36	0.24
78 John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21
79 Juniper Ridge Hydro	3.29	3.29	2.81	0.84	0	0	0	0	1.04	1.04	1.04	2.77	3.11	3.38	1.45
80 Kasel-Witherspoon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78	0.53
81 Kaster Riverview	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
82 Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.38
83 Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94	0.73
84 L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27	0.37
85 Lacombe	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42	0.54
86 Lake Creek (OR)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
87 Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
88 Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21	1.35
89 Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
90 Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05	0.08
91 Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
92 Little Mac	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
93 Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94	0.95
94 Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73	0.46
95 Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82	5.35
96 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
97 Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69	1.80
98 Loyd F. Fery Farms	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04	0.03
99 LQ-LS Drains (Pigeon Cove)	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
100 Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0	23.7
101 Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 Maqic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96	3.56
103 Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6	9.82
104 Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
105 Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
106 Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
107 Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98	2.15
108 Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36	0.66
109 Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
110 Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
111 Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61	0.93
112 Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
113 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.42
114 Morse Creek	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
115 Mt. Tabor	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
116 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50	0.55
117 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12	0.85

**Table A-9: Regional: Small Hydro**  
**Operating Year 2017 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
118 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0	0.23
119 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22	0.19
120 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15	0.21
121 O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10	0.06
122 Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03	0.03
123 Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23	2.95
124 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79	0.43
125 Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.82
126 Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.72
127 Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
128 PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.83
129 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.04
131 Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08	0.08
132 Poderosa	0.63	0.63	0.47	0.16	0.05	0.05	0.05	0.05	0.05	0.17	0.17	0.45	0.65	0.63	0.29
133 Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16	12.0
134 Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38	0.15
135 Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80	1.09
136 Preston	0.31	0.31	0.38	0.37	0.38	0.37	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38	0.36
137 Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28	0.32
138 Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.71
139 Ravenscroft Ranch	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
140 Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15	0.21
141 Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17	0.20
142 Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
143 Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64	1.61
144 Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.42	0.47	0.46	0.46	0.20	0.09	0	0.25
145 Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40	1.84
146 Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40	0.25
147 Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
148 Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36	0.26
149 Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11	0.12
150 Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86	0.47
151 Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
152 Smith Creek (Washington)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
153 Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03	0.04
154 Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
155 South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47	0.34
156 Spencer Lake Hydro	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
157 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159 Stevenson #1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
160 Stevenson #2	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
161 Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
162 Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4	37.2
163 Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10	0.07
164 Sygitowicz Creek	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
165 Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03	0.05
166 Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
167 Tieton Dam (Yakima)	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
168 Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
169 Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	7.40	4.80	7.80	14.8	14.8	13.2	24.3	18.7	9.57
170 Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
171 Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
172 Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76	1.48
173 Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07	0.12
174 Watson Hydro	0.32	0.25	0.32	0.25	0.27	0	0	0	0.58	0.30	0.60	0.71	0.71	0.54	0.34
175 Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
176 White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14

**Table A-9: Regional: Small Hydro**  
**Operating Year 2017 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
177 White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07	0.08
178 Whitefish	0.13	0.13	0.16	0.12	0.09	0.09	0.09	0.07	0.08	0.09	0.09	0.11	0.13	0.19	0.11
179 Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63	3.14
180 Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03	0.05
181 Wolf Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
182 Woods Creek	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
183 Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
184 Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
185 Youngs Creek	0.07	0.07	0.53	1.65	3.29	2.73	2.92	3.14	4.52	4.65	4.65	2.49	0.56	0.17	2.22
186 Zena Creek Ranch	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
<b>Total Small Hydro</b>															
187 Cooperative	2.15	2.15	2.07	1.74	1.81	2.31	2.00	2.41	2.57	2.83	2.83	2.81	2.96	2.57	2.35
188 Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.25	3.30	3.29	3.29	3.03	2.92	2.83	3.08
189 Investor Owned Utilities	166	166	138	110	117	108	101	105	128	176	178	217	229	204	150
190 Marketer	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
191 Municipality	138	136	88.6	37.4	2.48	3.18	2.48	3.98	12.5	83.1	83.1	167	188	194	77.1
192 Public Utility District	15.9	15.9	11.2	9.73	6.67	6.11	6.30	6.52	9.10	18.7	18.7	19.6	18.7	18.1	12.3
<b>193 Total Small Hydro</b>	<b>325</b>	<b>323</b>	<b>243</b>	<b>162</b>	<b>131</b>	<b>123</b>	<b>115</b>	<b>121</b>	<b>155</b>	<b>284</b>	<b>286</b>	<b>410</b>	<b>442</b>	<b>421</b>	<b>245</b>

**Table A-9: Regional: Small Hydro**  
**Operating Year 2018 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Small Hydro</b>															
1 Albany-Millersburg Hydroelectric	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2 Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31	0.16
4 Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.02
6 Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13	0.13
8 Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqq's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19	1.21
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11	0.06
15 Black Creek	3.08	3.08	2.78	1.85	2.78	2.78	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.96
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73	0.57
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
19 Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59	0.60
20 Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12	0.18
21 Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22 Buffalo Hydro	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
25 Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68	3.81
26 Canyon Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
27 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09
28 Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
29 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
30 C-Drop Hydro	1.09	0.78	0.10	0	0	0	0	0	0	0.53	0.53	1.09	1.09	1.09	0.41
31 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30	0.71
32 Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09	2.14
33 Cereghino	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
34 Chester Hydroelectric Plant	0.25	0.25	0.25	0.12	0.32	0.70	0.52	0.59	0.52	0.74	0.74	1.00	1.06	0.40	0.54
35 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43	0.44
36 Company Creek	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
37 Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	0	0	0	0	0	0
38 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80	0.44
39 Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07
40 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18	0.12
41 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
42 Cushman North Fork	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
43 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02	0.01
45 Denny Creek	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
46 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52	2.48
47 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07	0.07
48 Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09	0.85
49 Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
50 Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
52 Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20	0.94
53 Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
54 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0	1.95
55 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
56 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08	5.88
57 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45	1.49
58 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27	0.89

**Table A-9: Regional: Small Hydro**  
**Operating Year 2018 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82	0.60
60 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23	0.25
61 Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10	0.49
63 Forgy	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
64 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54	0.32
65 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97	0.54
66 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0	0.23
67 Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
68 Ground Water Pumping Station	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
69 Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
70 Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
71 Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97	3.03
72 Hettinger	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
73 Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22	6.56
74 Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
75 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0	0.27
76 James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20	0.14
77 Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36	0.24
78 John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21
79 Juniper Ridge Hydro	3.29	3.29	2.81	0.84	0	0	0	0	1.04	1.04	1.04	2.77	3.11	3.38	1.45
80 Kasel-Witherspoon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78	0.53
81 Kaster Riverview	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
82 Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.38
83 Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94	0.73
84 L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27	0.37
85 Lacob	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42	0.54
86 Lake Creek (OR)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
87 Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
88 Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21	1.35
89 Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
90 Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05	0.08
91 Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
92 Little Mac	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
93 Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94	0.95
94 Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73	0.46
95 Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82	5.35
96 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
97 Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69	1.80
98 Loyd F. Fery Farms	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04	0.03
99 LQ-LS Drains (Pigeon Cove)	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
100 Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0	23.7
101 Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 Maqic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96	3.56
103 Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6	9.82
104 Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
105 Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
106 Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
107 Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98	2.15
108 Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36	0.66
109 Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
110 Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
111 Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61	0.93
112 Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
113 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.42
114 Morse Creek	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
115 Mt. Tabor	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
116 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50	0.55
117 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12	0.85

**Table A-9: Regional: Small Hydro**  
**Operating Year 2018 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
118 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0	0.23
119 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22	0.19
120 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15	0.21
121 O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10	0.06
122 Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03	0.03
123 Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23	2.95
124 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79	0.43
125 Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.82
126 Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.72
127 Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
128 PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.83
129 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.04
131 Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08	0.08
132 Poderosa	0.63	0.63	0.47	0.16	0.05	0.05	0.05	0.05	0.05	0.17	0.17	0.45	0.65	0.63	0.29
133 Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16	12.0
134 Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38	0.15
135 Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80	1.09
136 Preston	0.31	0.31	0.38	0.37	0.38	0.37	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38	0.36
137 Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28	0.32
138 Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.71
139 Ravenscroft Ranch	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
140 Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15	0.21
141 Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17	0.20
142 Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
143 Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64	1.61
144 Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.42	0.47	0.46	0.46	0.20	0.09	0	0.25
145 Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40	1.84
146 Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40	0.25
147 Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
148 Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36	0.26
149 Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11	0.12
150 Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86	0.47
151 Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
152 Smith Creek (Washington)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
153 Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03	0.04
154 Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
155 South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47	0.34
156 Spencer Lake Hydro	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
157 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159 Stevenson #1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
160 Stevenson #2	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
161 Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
162 Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4	37.2
163 Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10	0.07
164 Sygitowicz Creek	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
165 Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03	0.05
166 Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
167 Tieton Dam (Yakima)	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
168 Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
169 Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	7.40	4.80	7.80	14.8	14.8	13.2	24.3	18.7	9.57
170 Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
171 Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
172 Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76	1.48
173 Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07	0.12
174 Watson Hydro	0.32	0.25	0.32	0.25	0.27	0	0	0	0.58	0.30	0.60	0.71	0.71	0.54	0.34
175 Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
176 White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14



**Table A-9: Regional: Small Hydro**  
**Operating Year 2018 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
177 White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07	0.08
178 Whitefish	0.13	0.13	0.16	0.12	0.09	0.09	0.09	0.07	0.08	0.09	0.09	0.11	0.13	0.19	0.11
179 Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63	3.14
180 Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03	0.05
181 Wolf Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
182 Woods Creek	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
183 Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
184 Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
185 Youngs Creek	0.07	0.07	0.53	1.65	3.29	2.73	2.92	3.14	4.52	4.65	4.65	2.49	0.56	0.17	2.22
186 Zena Creek Ranch	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
<b>Total Small Hydro</b>															
187 Cooperative	2.15	2.15	2.07	1.74	1.81	2.31	2.00	2.41	2.57	2.83	2.83	2.81	2.96	2.57	2.35
188 Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.25	3.30	3.29	3.29	3.03	2.92	2.83	3.08
189 Investor Owned Utilities	166	166	138	110	117	108	101	105	128	176	178	217	229	204	150
190 Marketer	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
191 Municipality	138	136	88.6	37.4	2.48	3.18	2.48	3.98	12.5	83.1	83.1	167	188	194	77.1
192 Public Utility District	15.9	15.9	11.2	9.73	6.67	6.11	6.30	6.52	9.10	18.7	18.7	19.6	18.7	18.1	12.3
<b>193 Total Small Hydro</b>	<b>325</b>	<b>323</b>	<b>243</b>	<b>162</b>	<b>131</b>	<b>123</b>	<b>115</b>	<b>121</b>	<b>155</b>	<b>284</b>	<b>286</b>	<b>410</b>	<b>442</b>	<b>421</b>	<b>245</b>

**Table A-9: Regional: Small Hydro**  
**Operating Year 2019 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Small Hydro</b>															
1 Albany-Millersburg Hydroelectric	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2 Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31	0.16
4 Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.02
6 Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13	0.13
8 Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqq's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19	1.21
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11	0.06
15 Black Creek	3.08	3.08	2.78	1.85	2.78	2.78	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.96
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73	0.57
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
19 Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59	0.60
20 Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12	0.18
21 Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22 Buffalo Hydro	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
25 Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0.06	2.94	2.94	7.01	8.16	8.68	8.26	4.33
26 Canyon Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
27 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09
28 Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
29 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
30 C-Drop Hydro	1.09	0.78	0.10	0	0	0	0	0	0	0.53	0.53	1.09	1.09	1.09	0.41
31 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30	0.71
32 Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09	2.14
33 Cereghino	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
34 Chester Hydroelectric Plant	0.25	0.25	0.25	0.12	0.32	0.70	0.52	0.59	0.52	0.74	0.74	1.00	1.06	0.40	0.54
35 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43	0.44
36 Company Creek	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
37 Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	0	0	0	0	0	0
38 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80	0.44
39 Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07
40 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18	0.12
41 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
42 Cushman North Fork	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
43 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02	0.01
45 Denny Creek	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
46 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52	2.48
47 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07	0.07
48 Dry Creek	0.94	0.94	1.00	0.80	0.43	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09	0.94	0.91
49 Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
50 Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
52 Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20	0.94
53 Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
54 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0	1.95
55 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
56 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08	5.88
57 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45	1.49
58 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27	0.89

**Table A-9: Regional: Small Hydro**  
**Operating Year 2019 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82	0.60
60 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23	0.25
61 Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10	0.49
63 Forgy	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
64 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54	0.32
65 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97	0.54
66 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0	0.23
67 Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
68 Ground Water Pumping Station	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
69 Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
70 Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
71 Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97	3.03
72 Hettinger	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
73 Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22	6.56
74 Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
75 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0	0.27
76 James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20	0.14
77 Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36	0.24
78 John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21
79 Juniper Ridge Hydro	3.29	3.29	2.81	0.84	0	0	0	0	1.04	1.04	1.04	2.77	3.11	3.38	1.45
80 Kasel-Witherspoon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78	0.53
81 Kaster Riverview	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
82 Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.38
83 Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94	0.73
84 L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27	0.37
85 Lacombe	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42	0.54
86 Lake Creek (OR)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
87 Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
88 Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21	1.35
89 Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
90 Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05	0.08
91 Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
92 Little Mac	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
93 Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94	0.95
94 Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73	0.46
95 Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82	5.35
96 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
97 Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69	1.80
98 Loyd F. Fery Farms	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04	0.03
99 LQ-LS Drains (Pigeon Cove)	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
100 Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0	23.7
101 Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 Maqic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96	3.56
103 Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6	9.82
104 Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
105 Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
106 Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
107 Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98	2.15
108 Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36	0.66
109 Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
110 Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
111 Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61	0.93
112 Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
113 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.42
114 Morse Creek	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
115 Mt. Tabor	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
116 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50	0.55
117 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12	0.85

**Table A-9: Regional: Small Hydro**  
**Operating Year 2019 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
118 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0	0.23
119 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22	0.19
120 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15	0.21
121 O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10	0.06
122 Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03	0.03
123 Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23	2.95
124 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79	0.43
125 Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.82
126 Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.72
127 Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
128 PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.83
129 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.04
131 Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08	0.08
132 Poderosa	0.63	0.63	0.47	0.16	0.05	0.05	0.05	0.05	0.05	0.17	0.17	0.45	0.65	0.63	0.29
133 Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16	12.0
134 Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38	0.15
135 Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80	1.09
136 Preston	0.31	0.31	0.38	0.37	0.38	0.37	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38	0.36
137 Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28	0.32
138 Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.71
139 Ravenscroft Ranch	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
140 Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15	0.21
141 Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17	0.20
142 Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
143 Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64	1.61
144 Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.42	0.47	0.46	0.46	0.20	0.09	0	0.25
145 Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40	1.84
146 Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40	0.25
147 Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
148 Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36	0.26
149 Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11	0.12
150 Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86	0.47
151 Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
152 Smith Creek (Washington)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
153 Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03	0.04
154 Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
155 South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47	0.34
156 Spencer Lake Hydro	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
157 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159 Stevenson #1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
160 Stevenson #2	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
161 Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
162 Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4	37.2
163 Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10	0.07
164 Sygitowicz Creek	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
165 Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03	0.05
166 Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
167 Tieton Dam (Yakima)	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
168 Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
169 Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	8.30	8.30	8.30	8.30	8.30	8.30	8.30	18.7	7.69
170 Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
171 Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
172 Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76	1.48
173 Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07	0.12
174 Watson Hydro	0.32	0.25	0.32	0.25	0.27	0	0	0	0.58	0.30	0.60	0.71	0.71	0.54	0.34
175 Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
176 White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14

**Table A-9: Regional: Small Hydro**  
**Operating Year 2019 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
177 White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07	0.08
178 Whitefish	0.13	0.13	0.16	0.12	0.09	0.09	0.09	0.07	0.08	0.09	0.09	0.11	0.13	0.19	0.11
179 Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63	3.14
180 Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03	0.05
181 Wolf Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
182 Woods Creek	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
183 Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
184 Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
185 Youngs Creek	0.07	0.07	0.53	1.65	3.29	2.73	2.92	3.14	4.52	4.65	4.65	2.49	0.56	0.17	2.22
186 Zena Creek Ranch	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
<b>Total Small Hydro</b>															
187 Cooperative	2.15	2.15	2.07	1.74	1.81	2.31	2.00	2.41	2.57	2.83	2.83	2.81	2.96	2.57	2.35
188 Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.25	3.30	3.29	3.29	3.03	2.92	2.83	3.08
189 Investor Owned Utilities	166	166	138	110	117	108	101	109	131	170	176	215	213	202	149
190 Marketer	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
191 Municipality	138	136	88.6	37.4	2.48	3.18	2.48	3.98	12.5	83.1	83.1	167	188	194	77.1
192 Public Utility District	15.9	15.9	11.2	9.73	6.67	6.11	6.30	6.52	9.10	18.7	18.7	19.6	18.7	18.1	12.3
<b>193 Total Small Hydro</b>	<b>325</b>	<b>323</b>	<b>243</b>	<b>162</b>	<b>131</b>	<b>123</b>	<b>116</b>	<b>125</b>	<b>159</b>	<b>278</b>	<b>284</b>	<b>408</b>	<b>426</b>	<b>420</b>	<b>244</b>

**Table A-9: Regional: Small Hydro**  
**Operating Year 2020 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Small Hydro</b>															
1 Albany-Millersburg Hydroelectric	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2 Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31	0.16
4 Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.02
6 Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13	0.13
8 Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqq's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19	1.21
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11	0.06
15 Black Creek	3.08	3.08	2.78	1.85	2.78	2.78	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.96
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73	0.56
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
19 Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59	0.60
20 Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12	0.18
21 Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22 Buffalo Hydro	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
25 Bypass	8.26	6.54	2.82	0.99	0	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68	3.18
26 Canyon Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
27 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09
28 Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
29 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
30 C-Drop Hydro	1.09	0.78	0.10	0	0	0	0	0	0	0.53	0.53	1.09	1.09	1.09	0.40
31 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30	0.71
32 Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09	2.13
33 Cereghino	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
34 Chester Hydroelectric Plant	0.25	0.25	0.25	0.12	0.32	0.70	0.52	0.59	0.52	0.74	0.74	1.00	1.06	0.40	0.54
35 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43	0.44
36 Company Creek	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
37 Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	0	0	0	0	0	0
38 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80	0.44
39 Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07
40 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18	0.12
41 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
42 Cushman North Fork	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
43 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02	0.01
45 Denny Creek	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
46 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52	2.47
47 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07	0.07
48 Dry Creek	0.94	1.00	0.80	0.43	0.33	0.27	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09	0.82
49 Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
50 Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
52 Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20	0.94
53 Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
54 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0	1.95
55 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
56 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08	5.88
57 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45	1.49
58 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27	0.90

**Table A-9: Regional: Small Hydro**  
**Operating Year 2020 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82	0.60
60 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23	0.25
61 Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10	0.49
63 Forgy	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
64 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54	0.32
65 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97	0.54
66 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0	0.23
67 Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
68 Ground Water Pumping Station	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
69 Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
70 Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.23
71 Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97	3.02
72 Hettinger	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
73 Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22	6.56
74 Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
75 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0	0.27
76 James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20	0.14
77 Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36	0.24
78 John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21
79 Juniper Ridge Hydro	3.29	3.29	2.81	0.84	0	0	0	0	1.04	1.04	1.04	2.77	3.11	3.38	1.44
80 Kasel-Witherspoon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78	0.53
81 Kaster Riverview	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
82 Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.37
83 Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94	0.73
84 L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27	0.37
85 Lacombe	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42	0.54
86 Lake Creek (OR)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
87 Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
88 Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21	1.35
89 Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
90 Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05	0.08
91 Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
92 Little Mac	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
93 Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94	0.95
94 Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73	0.46
95 Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82	5.33
96 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
97 Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69	1.80
98 Loyd F. Fery Farms	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04	0.03
99 LQ-LS Drains (Pigeon Cove)	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
100 Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0	23.7
101 Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 Maqic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96	3.55
103 Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6	9.80
104 Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
105 Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
106 Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
107 Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98	2.16
108 Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36	0.66
109 Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
110 Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
111 Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61	0.93
112 Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
113 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.42
114 Morse Creek	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
115 Mt. Tabor	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
116 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50	0.55
117 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12	0.85

**Table A-9: Regional: Small Hydro**  
**Operating Year 2020 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
118 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0	0.23
119 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22	0.19
120 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15	0.21
121 O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10	0.06
122 Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03	0.03
123 Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23	2.95
124 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79	0.43
125 Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.81
126 Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.71
127 Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
128 PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.82
129 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.04
131 Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08	0.08
132 Poderosa	0.63	0.63	0.47	0.16	0.05	0.05	0.05	0.05	0.05	0.17	0.17	0.45	0.65	0.63	0.28
133 Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16	12.0
134 Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38	0.15
135 Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80	1.09
136 Preston	0.31	0.31	0.38	0.37	0.38	0.37	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38	0.36
137 Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28	0.32
138 Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.70
139 Ravenscroft Ranch	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
140 Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15	0.21
141 Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17	0.20
142 Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
143 Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64	1.60
144 Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.41	0.47	0.46	0.46	0.20	0.09	0	0.25
145 Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40	1.84
146 Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40	0.25
147 Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
148 Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36	0.26
149 Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11	0.12
150 Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86	0.47
151 Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
152 Smith Creek (Washington)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
153 Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03	0.04
154 Sneliqar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
155 South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47	0.34
156 Spencer Lake Hydro	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
157 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159 Stevenson #1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
160 Stevenson #2	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
161 Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
162 Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4	37.1
163 Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10	0.07
164 Sygitowicz Creek	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.43	0.45	0.45	0.45	0.45	0.45	0.45	0.45
165 Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03	0.05
166 Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.23
167 Tieton Dam (Yakima)	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
168 Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
169 Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	7.40	4.80	7.80	14.8	14.8	13.2	24.3	18.7	9.56
170 Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
171 Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
172 Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76	1.48
173 Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07	0.12
174 Watson Hydro	0.32	0.25	0.32	0.25	0.27	0	0	0	0.58	0.30	0.60	0.71	0.71	0.54	0.34
175 Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
176 White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14



**Table A-9: Regional: Small Hydro**  
**Operating Year 2020 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
177 White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07	0.08
178 Whitefish	0.13	0.13	0.16	0.12	0.09	0.09	0.09	0.07	0.08	0.09	0.09	0.11	0.13	0.19	0.11
179 Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63	3.13
180 Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03	0.05
181 Wolf Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
182 Woods Creek	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
183 Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
184 Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
185 Youngs Creek	0.07	0.07	0.53	1.65	3.29	2.73	2.92	3.14	4.52	4.65	4.65	2.49	0.56	0.17	2.22
186 Zena Creek Ranch	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
<b>Total Small Hydro</b>															
187 Cooperative	2.15	2.15	2.07	1.74	1.81	2.31	2.00	2.41	2.57	2.83	2.83	2.81	2.96	2.57	2.35
188 Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.24	3.30	3.29	3.29	3.03	2.92	2.83	3.08
189 Investor Owned Utilities	166	164	134	108	116	108	101	105	128	176	178	217	229	204	149
190 Marketer	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
191 Municipality	138	136	88.6	37.4	2.48	3.18	2.48	3.98	12.5	83.1	83.1	167	188	194	76.9
192 Public Utility District	15.9	15.9	11.2	9.73	6.67	6.11	6.30	6.52	9.10	18.7	18.7	19.6	18.7	18.1	12.2
<b>193 Total Small Hydro</b>	<b>325</b>	<b>322</b>	<b>239</b>	<b>160</b>	<b>130</b>	<b>123</b>	<b>115</b>	<b>121</b>	<b>155</b>	<b>284</b>	<b>286</b>	<b>410</b>	<b>442</b>	<b>421</b>	<b>244</b>

**Table A-9: Regional: Small Hydro**  
**Operating Year 2021 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Small Hydro</b>															
1 Albany-Millersburg Hydroelectric	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2 Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31	0.16
4 Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.02
6 Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13	0.13
8 Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqq's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19	1.21
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11	0.06
15 Black Creek	3.08	3.08	2.78	1.85	2.78	2.78	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.96
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73	0.57
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
19 Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59	0.60
20 Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12	0.18
21 Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22 Buffalo Hydro	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
25 Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68	3.81
26 Canyon Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
27 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09
28 Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
29 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
30 C-Drop Hydro	1.09	0.78	0.10	0	0	0	0	0	0	0.53	0.53	1.09	1.09	1.09	0.41
31 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30	0.71
32 Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09	2.14
33 Cereghino	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
34 Chester Hydroelectric Plant	0.25	0.25	0.25	0.12	0.32	0.70	0.52	0.59	0.52	0.74	0.74	1.00	1.06	0.40	0.54
35 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43	0.44
36 Company Creek	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
37 Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	0	0	0	0	0	0
38 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80	0.44
39 Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07
40 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18	0.12
41 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
42 Cushman North Fork	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
43 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02	0.01
45 Denny Creek	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
46 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52	2.48
47 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07	0.07
48 Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09	0.85
49 Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
50 Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
52 Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20	0.94
53 Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
54 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0	1.95
55 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
56 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08	5.88
57 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45	1.49
58 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27	0.89

**Table A-9: Regional: Small Hydro**  
**Operating Year 2021 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82	0.60
60 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23	0.25
61 Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10	0.49
63 Forgy	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
64 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54	0.32
65 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97	0.54
66 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0	0.23
67 Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
68 Ground Water Pumping Station	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
69 Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
70 Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
71 Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97	3.03
72 Hettinger	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
73 Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22	6.56
74 Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
75 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0	0.27
76 James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20	0.14
77 Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36	0.24
78 John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21
79 Juniper Ridge Hydro	3.29	3.29	2.81	0.84	0	0	0	0	0	1.04	1.04	2.77	3.11	3.38	1.45
80 Kasel-Witherspon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78	0.53
81 Kaster Riverview	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
82 Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.38
83 Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94	0.73
84 L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27	0.37
85 Lacombe	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42	0.54
86 Lake Creek (OR)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
87 Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
88 Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21	1.35
89 Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
90 Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05	0.08
91 Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
92 Little Mac	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
93 Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94	0.95
94 Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73	0.46
95 Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82	5.35
96 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
97 Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69	1.80
98 Loyd F. Fery Farms	0.03	0.03	0.04	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.04	0.03
99 LQ-LS Drains (Pigeon Cove)	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
100 Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0	23.7
101 Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 Maqic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96	3.56
103 Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6	9.82
104 Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
105 Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
106 Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
107 Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98	2.15
108 Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36	0.66
109 Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
110 Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
111 Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61	0.93
112 Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
113 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.42
114 Morse Creek	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
115 Mt. Tabor	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
116 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50	0.55
117 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12	0.85

**Table A-9: Regional: Small Hydro**  
**Operating Year 2021 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
118 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0	0.23
119 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22	0.19
120 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15	0.21
121 O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10	0.06
122 Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03	0.03
123 Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23	2.95
124 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79	0.43
125 Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.82
126 Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.72
127 Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
128 PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.83
129 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.04
131 Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08	0.08
132 Poderosa	0.63	0.63	0.47	0.16	0.05	0.05	0.05	0.05	0.05	0.17	0.17	0.45	0.65	0.63	0.29
133 Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16	12.0
134 Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38	0.15
135 Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80	1.09
136 Preston	0.31	0.31	0.38	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38	0.31	0.31	0.38	0.35
137 Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28	0.32
138 Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.71
139 Ravenscroft Ranch	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
140 Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15	0.21
141 Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17	0.20
142 Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
143 Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64	1.61
144 Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.42	0.47	0.46	0.46	0.20	0.09	0	0.25
145 Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40	1.84
146 Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40	0.25
147 Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
148 Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36	0.26
149 Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11	0.12
150 Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86	0.47
151 Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
152 Smith Creek (Washington)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
153 Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03	0.04
154 Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
155 South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47	0.34
156 Spencer Lake Hydro	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
157 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159 Stevenson #1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
160 Stevenson #2	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
161 Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
162 Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4	37.2
163 Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10	0.07
164 Sygitowicz Creek	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
165 Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03	0.05
166 Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
167 Tieton Dam (Yakima)	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
168 Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
169 Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	7.40	4.80	7.80	14.8	14.8	13.2	24.3	18.7	9.57
170 Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
171 Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
172 Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76	1.48
173 Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07	0.12
174 Watson Hydro	0.32	0.25	0.32	0.25	0.27	0	0	0	0.58	0.30	0.60	0.71	0.71	0.54	0.34
175 Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
176 White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14

**Table A-9: Regional: Small Hydro**  
**Operating Year 2021 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
177 White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07	0.08
178 Whitefish	0.13	0.13	0.16	0.12	0.09	0.09	0.09	0.07	0.08	0.09	0.09	0.11	0.13	0.19	0.11
179 Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63	3.14
180 Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03	0.05
181 Wolf Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
182 Woods Creek	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
183 Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
184 Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
185 Youngs Creek	0.07	0.07	0.53	1.65	3.29	2.73	2.92	3.14	4.52	4.65	4.65	2.49	0.56	0.17	2.22
186 Zena Creek Ranch	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
<b>Total Small Hydro</b>															
187 Cooperative	2.15	2.15	2.07	1.74	1.81	2.31	2.00	2.41	2.57	2.83	2.83	2.81	2.96	2.57	2.35
188 Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.25	3.30	3.29	3.29	3.03	2.92	2.83	3.08
189 Investor Owned Utilities	166	166	138	110	117	108	101	105	128	176	178	217	229	204	150
190 Marketer	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
191 Municipality	138	136	88.6	37.4	2.48	3.18	2.48	3.98	12.5	83.1	83.1	167	188	194	77.1
192 Public Utility District	15.9	15.9	11.2	9.73	6.67	6.11	6.30	6.52	9.10	18.7	18.7	19.6	18.7	18.1	12.3
<b>193 Total Small Hydro</b>	<b>325</b>	<b>323</b>	<b>243</b>	<b>162</b>	<b>131</b>	<b>123</b>	<b>115</b>	<b>121</b>	<b>155</b>	<b>284</b>	<b>286</b>	<b>410</b>	<b>442</b>	<b>421</b>	<b>245</b>

**Table A-9: Regional: Small Hydro**  
**Operating Year 2022 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Small Hydro</b>															
1 Albany-Millersburg Hydroelectric	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2 Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31	0.16
4 Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.02
6 Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13	0.13
8 Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biggs's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19	1.21
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11	0.06
15 Black Creek	3.08	3.08	2.78	1.85	2.78	2.78	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.96
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73	0.57
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
19 Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59	0.60
20 Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12	0.18
21 Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22 Buffalo Hydro	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
25 Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68	3.81
26 Canyon Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
27 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09
28 Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
29 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
30 C-Drop Hydro	1.09	0.78	0.10	0	0	0	0	0	0	0.53	0.53	1.09	1.09	1.09	0.41
31 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30	0.71
32 Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09	2.14
33 Cereghino	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
34 Chester Hydroelectric Plant	0.25	0.25	0.25	0.12	0.32	0.70	0.52	0.59	0.52	0.74	0.74	1.00	1.06	0.40	0.54
35 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43	0.44
36 Company Creek	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
37 Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	0	0	0	0	0	0
38 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80	0.44
39 Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07
40 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18	0.12
41 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
42 Cushman North Fork	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
43 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02	0.01
45 Denny Creek	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
46 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52	2.48
47 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07	0.07
48 Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09	0.85
49 Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
50 Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
52 Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20	0.94
53 Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
54 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0	1.95
55 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
56 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08	5.88
57 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45	1.49
58 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27	0.89

**Table A-9: Regional: Small Hydro**  
**Operating Year 2022 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 Continued**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82	0.60
60 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23	0.25
61 Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10	0.49
63 Forgy	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
64 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54	0.32
65 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97	0.54
66 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0	0.23
67 Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
68 Ground Water Pumping Station	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
69 Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
70 Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
71 Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97	3.03
72 Hettinger	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
73 Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22	6.56
74 Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
75 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0	0.27
76 James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20	0.14
77 Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36	0.24
78 John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21
79 Juniper Ridge Hydro	3.29	3.29	2.81	0.84	0	0	0	0	1.04	1.04	1.04	2.77	3.11	3.38	1.45
80 Kasel-Witherspoon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78	0.53
81 Kaster Riverview	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
82 Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.38
83 Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94	0.73
84 L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27	0.37
85 Lacob	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42	0.54
86 Lake Creek (OR)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
87 Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
88 Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21	1.35
89 Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
90 Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05	0.08
91 Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
92 Little Mac	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
93 Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94	0.95
94 Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73	0.46
95 Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82	5.35
96 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
97 Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69	1.80
98 Loyd F. Fery Farms	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.04	0.03
99 LQ-LS Drains (Pigeon Cove)	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
100 Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0	23.7
101 Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 Maqic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96	3.56
103 Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6	9.82
104 Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
105 Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
106 Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
107 Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98	2.15
108 Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36	0.66
109 Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
110 Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
111 Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61	0.93
112 Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
113 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.42
114 Morse Creek	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
115 Mt. Tabor	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
116 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50	0.55
117 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12	0.85

**Table A-9: Regional: Small Hydro**  
**Operating Year 2022 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
118 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0	0.23
119 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22	0.19
120 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15	0.21
121 O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10	0.06
122 Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03	0.03
123 Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23	2.95
124 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79	0.43
125 Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.82
126 Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.72
127 Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
128 PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.83
129 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.04
131 Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08	0.08
132 Poderosa	0.63	0.63	0.47	0.16	0.05	0.05	0.05	0.05	0.05	0.17	0.17	0.45	0.65	0.63	0.29
133 Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16	12.0
134 Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38	0.15
135 Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80	1.09
136 Preston	0.37	0.38	0.37	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38	0.31	0.31	0.38	0.36
137 Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28	0.32
138 Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.71
139 Ravenscroft Ranch	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
140 Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15	0.21
141 Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17	0.20
142 Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
143 Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64	1.61
144 Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.42	0.47	0.46	0.46	0.20	0.09	0	0.25
145 Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40	1.84
146 Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40	0.25
147 Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
148 Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36	0.26
149 Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11	0.12
150 Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86	0.47
151 Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
152 Smith Creek (Washington)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
153 Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03	0.04
154 Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
155 South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47	0.34
156 Spencer Lake Hydro	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
157 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159 Stevenson #1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
160 Stevenson #2	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
161 Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
162 Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4	37.2
163 Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10	0.07
164 Sygitowicz Creek	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
165 Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03	0.05
166 Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
167 Tieton Dam (Yakima)	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
168 Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
169 Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	7.40	4.80	7.80	14.8	14.8	13.2	24.3	18.7	9.57
170 Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
171 Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
172 Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76	1.48
173 Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07	0.12
174 Watson Hydro	0.32	0.25	0.32	0.25	0.27	0	0	0	0.58	0.30	0.60	0.71	0.71	0.54	0.34
175 Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
176 White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14



**Table A-9: Regional: Small Hydro**  
**Operating Year 2022 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
177 White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07	0.08
178 Whitefish	0.13	0.13	0.16	0.12	0.09	0.09	0.09	0.07	0.08	0.09	0.09	0.11	0.13	0.19	0.11
179 Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63	3.14
180 Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03	0.05
181 Wolf Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
182 Woods Creek	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
183 Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
184 Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
185 Youngs Creek	0.07	0.07	0.53	1.65	3.29	2.73	2.92	3.14	4.52	4.65	4.65	2.49	0.56	0.17	2.22
186 Zena Creek Ranch	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
<b>Total Small Hydro</b>															
187 Cooperative	2.15	2.15	2.07	1.74	1.81	2.31	2.00	2.41	2.57	2.83	2.83	2.81	2.96	2.57	2.35
188 Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.25	3.30	3.29	3.29	3.03	2.92	2.83	3.08
189 Investor Owned Utilities	166	166	138	110	117	108	101	105	128	176	178	217	229	204	150
190 Marketer	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
191 Municipality	138	136	88.6	37.4	2.48	3.18	2.48	3.98	12.5	83.1	83.1	167	188	194	77.1
192 Public Utility District	15.9	15.9	11.2	9.73	6.67	6.11	6.30	6.52	9.10	18.7	18.7	19.6	18.7	18.1	12.3
<b>193 Total Small Hydro</b>	<b>325</b>	<b>323</b>	<b>243</b>	<b>162</b>	<b>131</b>	<b>123</b>	<b>115</b>	<b>121</b>	<b>155</b>	<b>284</b>	<b>286</b>	<b>410</b>	<b>442</b>	<b>421</b>	<b>245</b>

**Table A-9: Regional: Small Hydro**  
**Operating Year 2023 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Small Hydro</b>															
1 Albany-Millersburg Hydroelectric	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2 Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31	0.16
4 Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.02
6 Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13	0.13
8 Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqq's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19	1.21
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11	0.06
15 Black Creek	3.08	3.08	2.78	1.85	2.78	2.78	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.96
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73	0.57
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
19 Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59	0.60
20 Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12	0.18
21 Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22 Buffalo Hydro	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
25 Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68	3.81
26 Canyon Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
27 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09
28 Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
29 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
30 C-Drop Hydro	1.09	0.78	0.10	0	0	0	0	0	0	0.53	0.53	1.09	1.09	1.09	0.41
31 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30	0.71
32 Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09	2.14
33 Cereghino	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
34 Chester Hydroelectric Plant	0.25	0.25	0.25	0.12	0.32	0.70	0.52	0.59	0.52	0.74	0.74	1.00	1.06	0.40	0.54
35 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43	0.44
36 Company Creek	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
37 Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	0	0	0	0	0	0
38 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80	0.44
39 Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07
40 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18	0.12
41 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
42 Cushman North Fork	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
43 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02	0.01
45 Denny Creek	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
46 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52	2.48
47 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07	0.07
48 Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09	0.85
49 Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
50 Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
52 Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20	0.94
53 Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
54 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0	1.95
55 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
56 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08	5.88
57 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45	1.49
58 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27	0.89

**Table A-9: Regional: Small Hydro**  
**Operating Year 2023 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82	0.60
60 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23	0.25
61 Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10	0.49
63 Forgy	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
64 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54	0.32
65 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97	0.54
66 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0	0.23
67 Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
68 Ground Water Pumping Station	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
69 Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
70 Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
71 Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97	3.03
72 Hettinger	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
73 Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22	6.56
74 Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
75 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0	0.27
76 James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20	0.14
77 Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36	0.24
78 John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21
79 Juniper Ridge Hydro	3.29	3.29	2.81	0.84	0	0	0	0	1.04	1.04	1.04	2.77	3.11	3.38	1.45
80 Kasel-Witherspoon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78	0.53
81 Kaster Riverview	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
82 Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.38
83 Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94	0.73
84 L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27	0.37
85 Lacombe	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42	0.54
86 Lake Creek (OR)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
87 Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
88 Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21	1.35
89 Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
90 Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05	0.08
91 Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
92 Little Mac	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
93 Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94	0.95
94 Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73	0.46
95 Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82	5.35
96 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
97 Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69	1.80
98 Loyd F. Fery Farms	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.04	0.03
99 LQ-LS Drains (Pigeon Cove)	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
100 Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0	23.7
101 Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 Maqic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96	3.56
103 Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6	9.82
104 Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
105 Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
106 Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
107 Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98	2.15
108 Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36	0.66
109 Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
110 Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
111 Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61	0.93
112 Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
113 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.42
114 Morse Creek	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
115 Mt. Tabor	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
116 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50	0.55
117 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12	0.85

**Table A-9: Regional: Small Hydro**  
**Operating Year 2023 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
118 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0	0.23
119 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22	0.19
120 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15	0.21
121 O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10	0.06
122 Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03	0.03
123 Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23	2.95
124 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79	0.43
125 Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.82
126 Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.72
127 Pancheri	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0.01	0.01
128 PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.83
129 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.04
131 Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08	0.08
132 Poderosa	0.63	0.63	0.47	0.16	0.05	0.05	0.05	0.05	0.05	0.17	0.17	0.45	0.65	0.63	0.29
133 Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16	12.0
134 Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38	0.15
135 Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80	1.09
136 Preston	0.37	0.38	0.37	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38	0.31	0.31	0.38	0.36
137 Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28	0.32
138 Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.71
139 Ravenscroft Ranch	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
140 Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15	0.21
141 Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17	0.20
142 Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
143 Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64	1.61
144 Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.42	0.47	0.46	0.46	0.20	0.09	0	0.25
145 Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40	1.84
146 Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40	0.25
147 Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
148 Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36	0.26
149 Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11	0.12
150 Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86	0.47
151 Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
152 Smith Creek (Washington)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
153 Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03	0.04
154 Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
155 South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47	0.34
156 Spencer Lake Hydro	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
157 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159 Stevenson #1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
160 Stevenson #2	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
161 Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
162 Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4	37.2
163 Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10	0.07
164 Sygitowicz Creek	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
165 Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03	0.05
166 Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
167 Tieton Dam (Yakima)	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
168 Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
169 Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	7.40	4.80	7.80	14.8	14.8	13.2	24.3	18.7	9.57
170 Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
171 Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
172 Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76	1.48
173 Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07	0.12
174 Watson Hydro	0.32	0.25	0.32	0.25	0.27	0	0	0	0.58	0.30	0.60	0.71	0.71	0.54	0.34
175 Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
176 White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14

**Table A-9: Regional: Small Hydro**  
**Operating Year 2023 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
177 White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07	0.08
178 Whitefish	0.13	0.13	0.16	0.12	0.09	0.09	0.09	0.07	0.08	0.09	0.09	0.11	0.13	0.19	0.11
179 Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63	3.14
180 Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03	0.05
181 Wolf Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
182 Woods Creek	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
183 Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
184 Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
185 Youngs Creek	0.07	0.07	0.53	1.65	3.29	2.73	2.92	3.14	4.52	4.65	4.65	2.49	0.56	0.17	2.22
186 Zena Creek Ranch	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
<b>Total Small Hydro</b>															
187 Cooperative	2.15	2.15	2.07	1.74	1.81	2.31	2.00	2.41	2.57	2.83	2.83	2.81	2.96	2.57	2.35
188 Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.25	3.30	3.29	3.29	3.03	2.92	2.83	3.08
189 Investor Owned Utilities	166	166	138	110	117	108	101	105	128	176	178	217	229	204	150
190 Marketer	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
191 Municipality	138	136	88.6	37.4	2.48	3.18	2.48	3.98	12.5	83.1	83.1	167	188	194	77.1
192 Public Utility District	15.9	15.9	11.2	9.73	6.67	6.11	6.30	6.52	9.10	18.7	18.7	19.6	18.7	18.1	12.3
<b>193 Total Small Hydro</b>	<b>325</b>	<b>323</b>	<b>243</b>	<b>162</b>	<b>131</b>	<b>123</b>	<b>115</b>	<b>121</b>	<b>155</b>	<b>284</b>	<b>286</b>	<b>410</b>	<b>442</b>	<b>421</b>	<b>245</b>

**Table A-9: Regional: Small Hydro**  
**Operating Year 2024 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Small Hydro</b>															
1 Albany-Millersburg Hydroelectric	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2 Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31	0.16
4 Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.02
6 Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13	0.13
8 Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqq's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19	1.21
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11	0.06
15 Black Creek	3.08	3.08	2.78	1.85	2.78	2.78	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.96
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73	0.56
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
19 Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59	0.60
20 Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12	0.18
21 Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22 Buffalo Hydro	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
25 Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68	3.80
26 Canyon Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
27 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09
28 Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
29 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
30 C-Drop Hydro	1.09	0.78	0.10	0	0	0	0	0	0	0.53	0.53	1.09	1.09	1.09	0.40
31 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30	0.71
32 Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09	2.13
33 Cereghino	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
34 Chester Hydroelectric Plant	0.25	0.25	0.25	0.12	0.32	0.70	0.52	0.59	0.52	0.74	0.74	1.00	1.06	0.40	0.54
35 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43	0.44
36 Company Creek	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
37 Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	0	0	0	0	0	0
38 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80	0.44
39 Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07
40 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18	0.12
41 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
42 Cushman North Fork	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
43 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02	0.01
45 Denny Creek	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
46 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52	2.47
47 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07	0.07
48 Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09	0.85
49 Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
50 Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
52 Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20	0.94
53 Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
54 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0	1.95
55 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
56 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08	5.88
57 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45	1.49
58 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27	0.90

**Table A-9: Regional: Small Hydro**  
**Operating Year 2024 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82	0.60
60 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23	0.25
61 Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10	0.49
63 Forgy	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
64 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54	0.32
65 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97	0.54
66 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0	0.23
67 Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
68 Ground Water Pumping Station	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
69 Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
70 Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.23
71 Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97	3.02
72 Hettinger	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
73 Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22	6.56
74 Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
75 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0	0.27
76 James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20	0.14
77 Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36	0.24
78 John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21
79 Juniper Ridge Hydro	3.29	3.29	2.81	0.84	0	0	0	0	1.04	1.04	1.04	2.77	3.11	3.38	1.44
80 Kasel-Witherspoon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78	0.53
81 Kaster Riverview	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
82 Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.37
83 Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94	0.73
84 L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27	0.37
85 Lacombe	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42	0.54
86 Lake Creek (OR)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
87 Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
88 Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21	1.35
89 Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
90 Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05	0.08
91 Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
92 Little Mac	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
93 Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94	0.95
94 Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73	0.46
95 Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82	5.33
96 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
97 Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69	1.80
98 Loyd F. Fery Farms	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.04	0.03
99 LQ-LS Drains (Pigeon Cove)	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
100 Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0	23.7
101 Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 Maqic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96	3.55
103 Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6	9.80
104 Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
105 Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
106 Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
107 Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98	2.16
108 Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36	0.66
109 Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
110 Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
111 Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61	0.93
112 Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
113 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.42
114 Morse Creek	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
115 Mt. Tabor	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
116 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50	0.55
117 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12	0.85

**Table A-9: Regional: Small Hydro**  
**Operating Year 2024 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
118 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0	0.23
119 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22	0.19
120 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15	0.21
121 O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10	0.06
122 Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03	0.03
123 Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23	2.95
124 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79	0.43
125 Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.81
126 Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.71
127 Pancheri	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0.01	0.01
128 PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.82
129 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.04
131 Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08	0.08
132 Poderosa	0.63	0.63	0.47	0.16	0.05	0.05	0.05	0.05	0.05	0.17	0.17	0.45	0.65	0.63	0.28
133 Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16	12.0
134 Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38	0.15
135 Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80	1.09
136 Preston	0.37	0.38	0.37	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38	0.31	0.31	0.38	0.36
137 Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28	0.32
138 Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.70
139 Ravenscroft Ranch	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
140 Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15	0.21
141 Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17	0.20
142 Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
143 Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64	1.60
144 Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.41	0.47	0.46	0.46	0.20	0.09	0	0.25
145 Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40	1.84
146 Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40	0.25
147 Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
148 Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36	0.26
149 Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11	0.12
150 Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86	0.47
151 Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
152 Smith Creek (Washington)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
153 Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03	0.04
154 Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
155 South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47	0.34
156 Spencer Lake Hydro	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
157 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159 Stevenson #1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
160 Stevenson #2	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
161 Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
162 Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4	37.1
163 Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10	0.07
164 Sygitowicz Creek	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.43	0.45	0.45	0.45	0.45	0.45	0.45	0.45
165 Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03	0.05
166 Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.23
167 Tieton Dam (Yakima)	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
168 Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
169 Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	7.40	4.80	7.80	14.8	14.8	13.2	24.3	18.7	9.56
170 Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
171 Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
172 Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76	1.48
173 Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07	0.12
174 Watson Hydro	0.32	0.25	0.32	0.25	0.27	0	0	0	0.58	0.30	0.60	0.71	0.71	0.54	0.34
175 Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
176 White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14



**Table A-9: Regional: Small Hydro**  
**Operating Year 2024 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
177 White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07	0.08
178 Whitefish	0.13	0.13	0.16	0.12	0.09	0.09	0.09	0.07	0.08	0.09	0.09	0.11	0.13	0.19	0.11
179 Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63	3.13
180 Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03	0.05
181 Wolf Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
182 Woods Creek	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
183 Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
184 Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
185 Youngs Creek	0.07	0.07	0.53	1.65	3.29	2.73	2.92	3.14	4.52	4.65	4.65	2.49	0.56	0.17	2.22
186 Zena Creek Ranch	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
<b>Total Small Hydro</b>															
187 Cooperative	2.15	2.15	2.07	1.74	1.81	2.31	2.00	2.41	2.57	2.83	2.83	2.81	2.96	2.57	2.35
188 Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.24	3.30	3.29	3.29	3.03	2.92	2.83	3.08
189 Investor Owned Utilities	166	166	138	110	117	108	101	105	128	176	178	217	229	204	150
190 Marketer	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
191 Municipality	138	136	88.6	37.4	2.48	3.18	2.48	3.98	12.5	83.1	83.1	167	188	194	76.9
192 Public Utility District	15.9	15.9	11.2	9.73	6.67	6.11	6.30	6.52	9.10	18.7	18.7	19.6	18.7	18.1	12.2
<b>193 Total Small Hydro</b>	<b>325</b>	<b>323</b>	<b>243</b>	<b>162</b>	<b>131</b>	<b>123</b>	<b>115</b>	<b>121</b>	<b>155</b>	<b>284</b>	<b>286</b>	<b>410</b>	<b>442</b>	<b>421</b>	<b>245</b>

**Table A-9: Regional: Small Hydro**  
**Operating Year 2025 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Small Hydro</b>															
1 Albany-Millersburg Hydroelectric	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2 Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31	0.16
4 Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.02
6 Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13	0.13
8 Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqq's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19	1.21
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11	0.06
15 Black Creek	3.08	3.08	2.78	1.85	2.78	2.78	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.96
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73	0.57
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
19 Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59	0.60
20 Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12	0.18
21 Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22 Buffalo Hydro	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
25 Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68	3.81
26 Canyon Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
27 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09
28 Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
29 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
30 C-Drop Hydro	1.09	0.78	0.10	0	0	0	0	0	0	0.53	0.53	1.09	1.09	1.09	0.41
31 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30	0.71
32 Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09	2.14
33 Cereghino	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
34 Chester Hydroelectric Plant	0.25	0.25	0.25	0.12	0.32	0.70	0.52	0.59	0.52	0.74	0.74	1.00	1.06	0.40	0.54
35 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43	0.44
36 Company Creek	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
37 Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	0	0	0	0	0	0
38 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80	0.44
39 Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07
40 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18	0.12
41 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
42 Cushman North Fork	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
43 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02	0.01
45 Denny Creek	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
46 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52	2.48
47 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07	0.07
48 Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09	0.85
49 Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
50 Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
52 Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20	0.94
53 Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
54 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0	1.95
55 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
56 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08	5.88
57 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45	1.49
58 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27	0.89

**Table A-9: Regional: Small Hydro**  
**Operating Year 2025 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82	0.60
60 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23	0.25
61 Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10	0.49
63 Forgy	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
64 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54	0.32
65 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97	0.54
66 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0	0.23
67 Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
68 Ground Water Pumping Station	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
69 Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
70 Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
71 Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97	3.03
72 Hettinger	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
73 Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22	6.56
74 Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
75 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0	0.27
76 James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20	0.14
77 Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36	0.24
78 John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21
79 Juniper Ridge Hydro	3.29	3.29	2.81	0.84	0	0	0	0	1.04	1.04	1.04	2.77	3.11	3.38	1.45
80 Kasel-Witherspoon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78	0.53
81 Kaster Riverview	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
82 Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.38
83 Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94	0.73
84 L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27	0.37
85 Lacombe	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42	0.54
86 Lake Creek (OR)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
87 Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
88 Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21	1.35
89 Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
90 Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05	0.08
91 Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
92 Little Mac	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
93 Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94	0.95
94 Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73	0.46
95 Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82	5.35
96 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
97 Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69	1.80
98 Loyd F. Fery Farms	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.04	0.03
99 LQ-LS Drains (Pigeon Cove)	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
100 Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0	23.7
101 Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 Maqic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96	3.56
103 Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6	9.82
104 Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
105 Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
106 Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
107 Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98	2.15
108 Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36	0.66
109 Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
110 Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
111 Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61	0.93
112 Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
113 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.42
114 Morse Creek	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
115 Mt. Tabor	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
116 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50	0.55
117 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12	0.85

**Table A-9: Regional: Small Hydro**  
**Operating Year 2025 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
118 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0	0.23
119 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22	0.19
120 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15	0.21
121 O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10	0.06
122 Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03	0.03
123 Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23	2.95
124 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79	0.43
125 Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.82
126 Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.72
127 Pancheri	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0.01	0.01
128 PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.83
129 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.04
131 Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08	0.08
132 Poderosa	0.63	0.63	0.47	0.16	0.05	0.05	0.05	0.05	0.05	0.17	0.17	0.45	0.65	0.63	0.29
133 Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16	12.0
134 Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38	0.15
135 Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80	1.09
136 Preston	0.37	0.38	0.37	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38	0.31	0.31	0.38	0.36
137 Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28	0.32
138 Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.71
139 Ravenscroft Ranch	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
140 Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15	0.21
141 Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17	0.20
142 Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
143 Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64	1.61
144 Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.42	0.47	0.46	0.46	0.20	0.09	0	0.25
145 Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40	1.84
146 Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40	0.25
147 Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
148 Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36	0.26
149 Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11	0.12
150 Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86	0.47
151 Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
152 Smith Creek (Washington)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
153 Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03	0.04
154 Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
155 South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47	0.34
156 Spencer Lake Hydro	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
157 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159 Stevenson #1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
160 Stevenson #2	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
161 Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
162 Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4	37.2
163 Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10	0.07
164 Sygitowicz Creek	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
165 Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03	0.05
166 Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
167 Tieton Dam (Yakima)	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
168 Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
169 Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	7.40	4.80	7.80	14.8	14.8	13.2	24.3	18.7	9.57
170 Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
171 Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
172 Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76	1.48
173 Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07	0.12
174 Watson Hydro	0.32	0.25	0.32	0.25	0.27	0	0	0	0.58	0.30	0.60	0.71	0.71	0.54	0.34
175 Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
176 White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14

**Table A-9: Regional: Small Hydro**  
**Operating Year 2025 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
177 White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07	0.08
178 Whitefish	0.13	0.13	0.16	0.12	0.09	0.09	0.09	0.07	0.08	0.09	0.09	0.11	0.13	0.19	0.11
179 Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63	3.14
180 Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03	0.05
181 Wolf Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
182 Woods Creek	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
183 Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
184 Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
185 Youngs Creek	0.07	0.07	0.53	1.65	3.29	2.73	2.92	3.14	4.52	4.65	4.65	2.49	0.56	0.17	2.22
186 Zena Creek Ranch	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
<b>Total Small Hydro</b>															
187 Cooperative	2.15	2.15	2.07	1.74	1.81	2.31	2.00	2.41	2.57	2.83	2.83	2.81	2.96	2.57	2.35
188 Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.25	3.30	3.29	3.29	3.03	2.92	2.83	3.08
189 Investor Owned Utilities	166	166	138	110	117	108	101	105	128	176	178	217	229	204	150
190 Marketer	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
191 Municipality	138	136	88.6	37.4	2.48	3.18	2.48	3.98	12.5	83.1	83.1	167	188	194	77.1
192 Public Utility District	15.9	15.9	11.2	9.73	6.67	6.11	6.30	6.52	9.10	18.7	18.7	19.6	18.7	18.1	12.3
<b>193 Total Small Hydro</b>	<b>325</b>	<b>323</b>	<b>243</b>	<b>162</b>	<b>131</b>	<b>123</b>	<b>115</b>	<b>121</b>	<b>155</b>	<b>284</b>	<b>286</b>	<b>410</b>	<b>442</b>	<b>421</b>	<b>245</b>

**Table A-9: Regional: Small Hydro**  
**Operating Year 2026 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Small Hydro</b>															
1 Albany-Millersburg Hydroelectric	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2 Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31	0.16
4 Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.02
6 Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13	0.13
8 Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqq's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19	1.21
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11	0.06
15 Black Creek	3.08	3.08	2.78	1.85	2.78	2.78	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.96
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73	0.57
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
19 Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59	0.60
20 Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12	0.18
21 Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22 Buffalo Hydro	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
25 Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68	3.81
26 Canyon Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
27 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09
28 Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
29 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
30 C-Drop Hydro	1.09	0.78	0.10	0	0	0	0	0	0	0.53	0.53	1.09	1.09	1.09	0.41
31 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30	0.71
32 Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09	2.14
33 Cereghino	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
34 Chester Hydroelectric Plant	0.25	0.25	0.25	0.12	0.32	0.70	0.52	0.59	0.52	0.74	0.74	1.00	1.06	0.40	0.54
35 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43	0.44
36 Company Creek	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
37 Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	0	0	0	0	0	0
38 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80	0.44
39 Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07
40 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18	0.12
41 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
42 Cushman North Fork	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
43 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02	0.01
45 Denny Creek	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
46 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52	2.48
47 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07	0.07
48 Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09	0.85
49 Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
50 Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
52 Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20	0.94
53 Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
54 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0	1.95
55 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
56 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08	5.88
57 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45	1.49
58 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27	0.89

**Table A-9: Regional: Small Hydro**  
**Operating Year 2026 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82	0.60
60 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23	0.25
61 Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10	0.49
63 Forgy	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
64 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54	0.32
65 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97	0.54
66 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0	0.23
67 Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
68 Ground Water Pumping Station	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
69 Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
70 Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
71 Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97	3.03
72 Hettinger	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
73 Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22	6.56
74 Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
75 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0	0.27
76 James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20	0.14
77 Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36	0.24
78 John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21
79 Juniper Ridge Hydro	3.29	3.29	2.81	0.84	0	0	0	0	1.04	1.04	1.04	2.77	3.11	3.38	1.45
80 Kasel-Witherspoon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78	0.53
81 Kaster Riverview	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
82 Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.38
83 Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94	0.73
84 L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27	0.37
85 Lacob	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42	0.54
86 Lake Creek (OR)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
87 Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
88 Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21	1.35
89 Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
90 Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05	0.08
91 Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
92 Little Mac	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
93 Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94	0.95
94 Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73	0.46
95 Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82	5.35
96 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
97 Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69	1.80
98 Loyd F. Fery Farms	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.04	0.03
99 LQ-LS Drains (Pigeon Cove)	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
100 Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0	23.7
101 Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 Maqic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96	3.56
103 Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6	9.82
104 Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
105 Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
106 Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
107 Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98	2.15
108 Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36	0.66
109 Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
110 Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
111 Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61	0.93
112 Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
113 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.42
114 Morse Creek	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
115 Mt. Tabor	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
116 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50	0.55
117 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12	0.85

**Table A-9: Regional: Small Hydro**  
**Operating Year 2026 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
118 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0	0.23
119 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22	0.19
120 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15	0.21
121 O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10	0.06
122 Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03	0.03
123 Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23	2.95
124 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79	0.43
125 Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.82
126 Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.72
127 Pancheri	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0.01	0.01
128 PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.83
129 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.04
131 Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08	0.08
132 Poderosa	0.63	0.63	0.47	0.16	0.05	0.05	0.05	0.05	0.05	0.17	0.17	0.45	0.65	0.63	0.29
133 Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16	12.0
134 Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38	0.15
135 Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80	1.09
136 Preston	0.37	0.38	0.37	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38	0.31	0.31	0.38	0.36
137 Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28	0.32
138 Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.71
139 Ravenscroft Ranch	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
140 Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15	0.21
141 Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17	0.20
142 Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
143 Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64	1.61
144 Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.42	0.47	0.46	0.46	0.20	0.09	0	0.25
145 Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40	1.84
146 Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40	0.25
147 Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
148 Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36	0.26
149 Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11	0.12
150 Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86	0.47
151 Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
152 Smith Creek (Washington)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
153 Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03	0.04
154 Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
155 South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47	0.34
156 Spencer Lake Hydro	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
157 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159 Stevenson #1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
160 Stevenson #2	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
161 Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
162 Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4	37.2
163 Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10	0.07
164 Sygitowicz Creek	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
165 Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03	0.05
166 Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
167 Tieton Dam (Yakima)	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
168 Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
169 Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	7.40	4.80	7.80	14.8	14.8	13.2	24.3	18.7	9.57
170 Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
171 Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
172 Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76	1.48
173 Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07	0.12
174 Watson Hydro	0.32	0.25	0.32	0.25	0.27	0	0	0	0.58	0.30	0.60	0.71	0.71	0.54	0.34
175 Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
176 White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14



**Table A-9: Regional: Small Hydro**  
**Operating Year 2026 Water Year: 1937**  
**2015 White Book Report Date: 6/30/2015 *Continued***

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
177 White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07	0.08
178 Whitefish	0.13	0.13	0.16	0.12	0.09	0.09	0.09	0.07	0.08	0.09	0.09	0.11	0.13	0.19	0.11
179 Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63	3.14
180 Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03	0.05
181 Wolf Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
182 Woods Creek	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
183 Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
184 Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
185 Youngs Creek	0.07	0.07	0.53	1.65	3.29	2.73	2.92	3.14	4.52	4.65	4.65	2.49	0.56	0.17	2.22
186 Zena Creek Ranch	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
<b>Total Small Hydro</b>															
187 Cooperative	2.15	2.15	2.07	1.74	1.81	2.31	2.00	2.41	2.57	2.83	2.83	2.81	2.96	2.57	2.35
188 Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.25	3.30	3.29	3.29	3.03	2.92	2.83	3.08
189 Investor Owned Utilities	166	166	138	110	117	108	101	105	128	176	178	217	229	204	150
190 Marketer	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
191 Municipality	138	136	88.6	37.4	2.48	3.18	2.48	3.98	12.5	83.1	83.1	167	188	194	77.1
192 Public Utility District	15.9	15.9	11.2	9.73	6.67	6.11	6.30	6.52	9.10	18.7	18.7	19.6	18.7	18.1	12.3
<b>193 Total Small Hydro</b>	<b>325</b>	<b>323</b>	<b>243</b>	<b>162</b>	<b>131</b>	<b>123</b>	<b>115</b>	<b>121</b>	<b>155</b>	<b>284</b>	<b>286</b>	<b>410</b>	<b>442</b>	<b>421</b>	<b>245</b>

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***Exhibit 29***  
***Table A-10: Regional Combustion Turbines***

***Monthly Energy***  
***Operating Year 2017 to 2026***  
***Using 1937-Water Conditions***

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Table A-10: Regional: Combustion Turbine Resources

Operating Year 2017

2015 White Book Report Date: 6/30/2015

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg	
<b>Combustion Turbine Resources</b>																
1 Basin Creek Project	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	32.5	32.5	47.5	45.0	
2 Beaver	470	477	486	496	503	503	500	496	490	490	484	318	312	470	461	
3 Beaver	451	458	467	477	484	484	481	477	471	471	465	305	299	451	443	
4 Beaver 8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.0	13.0	19.0	18.0	
5 Bennett Mountain Peaking Plant	153	153	156	160	163	169	169	164	159	160	160	104	102	153	151	
6 Boulder Park	23.4	23.4	23.4	21.0	21.0	21.0	23.4	23.4	23.4	23.4	23.4	16.0	16.0	23.4	21.6	
7 Carty Generating Station	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	
8 Chehalis Generation Facility	460	460	465	475	484	487	488	485	483	478	478	471	157	460	450	
9 Dave Gates Generating Station	143	143	143	143	143	143	143	143	143	143	143	97.5	97.5	143	135	
10 Encogen	157	157	159	164	168	171	172	169	167	165	165	-51.0	108	157	142	
11 Evander Andrews Complex	237	237	241	246	251	261	261	253	245	247	247	162	158	236	233	
12 Danskin 1	77.9	77.9	79.8	81.7	83.6	87.4	87.4	83.6	81.7	81.7	81.7	54.1	52.2	77.9	77.4	
13 Danskin 2	159	159	162	164	167	174	174	169	163	165	165	108	106	158	156	
14 Frederickson CT	252	252	255	259	263	265	265	264	263	261	0	45.3	171	253	224	
15 Frederickson Power Project	139	139	141	145	150	152	152	150	149	147	147	-48.0	92.7	139	125	
16 Fredonia	296	296	301	310	318	324	325	321	317	313	0	50.8	198	296	268	
17 Fredonia 1 & 2	195	195	198	204	209	212	213	210	208	205	0	33.6	131	195	176	
18 Fredonia 3 & 4	101	101	103	107	110	112	113	111	109	108	0	17.2	67.5	101	92.0	
19 Goldendale Energy Center	244	244	249	253	258	261	260	258	256	254	254	42.5	165	244	228	
20 Grimes Way	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	2.60	2.60	3.80	3.60	
21 Kettle Falls Station (CT)	8.10	8.10	9.00	9.50	9.50	10.5	10.5	10.5	9.50	9.50	9.50	5.30	5.30	8.10	8.77	
22 Klamath Generation Facility	460	460	460	460	460	460	460	460	460	460	460	315	315	460	436	
23 Klamath Generation Peakings (C	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	65.0	65.0	95.0	90.0	
24 Lancaster	230	230	238	234	238	254	253	239	237	154	154	117	111	228	211	
25 Langley Gulch CT	285	285	285	285	285	285	285	285	285	285	285	195	195	285	270	
26 Loki Peaking Project	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	3.90	10.5	10.5	9.94	
27 Mint Farm Energy Center	271	271	274	280	284	286	286	284	283	281	0	188	185	272	253	
28 Northeast 1 & 2	41.8	41.8	43.7	19.8	60.8	62.7	62.7	60.8	58.9	57.0	57.0	43.7	43.7	39.9	49.5	
29 Olympic View	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	3.80	3.80	5.60	5.30	
30 Pasco Peak Power Plant	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	15.4	41.8	41.8	39.6	
31 Port Westward	566	566	567	576	584	589	589	587	583	577	577	446	441	565	556	
32 Port Westward 1	379	379	380	389	397	402	402	400	396	390	390	259	254	378	369	
33 Port Westward 2	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	
34 Rathdrum	132	132	135	148	160	165	167	163	160	154	154	95.4	87.8	139	142	
35 River Road	236	236	236	236	236	236	236	236	236	236	236	86.8	236	236	223	
36 Satsop Combustion Turbine Proj	618	618	618	618	618	618	618	618	618	618	618	228	618	618	584	
37 Stahlbush Island Farms Bioqas	1.46	1.46	1.50	1.46	1.50	1.46	1.46	1.61	1.46	1.50	1.50	1.46	1.50	1.46	1.48	
38 University of Washington Power	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	9.80	9.80	14.3	13.5	
39 Whitehorn	140	140	142	146	150	152	153	151	149	147	0	96.3	93.8	140	132	
<b>Total Combustion Turbine Resources</b>																
40 Investor Owned Utilities	4543	4550	4608	4661	4780	4850	4854	4797	4750	4636	3759	2780	3060	4545	4368	
41 Marketer	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	607	997	1172	1110	
42 Municipality	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	12.4	12.4	18.1	17.1	
43 Public Utility District	420	420	422	424	426	426	427	426	425	424	294	133	377	420	390	
<b>44 Total</b>	<b>6153</b>	<b>6160</b>	<b>6220</b>	<b>6275</b>	<b>6396</b>	<b>6467</b>	<b>6471</b>	<b>6413</b>	<b>6365</b>	<b>6251</b>	<b>5243</b>	<b>3532</b>	<b>4447</b>	<b>6156</b>	<b>5885</b>	

**Table A-10: Regional: Combustion Turbine Resources**

**Operating Year 2018**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Combustion Turbine Resources</b>															
1 Basin Creek Project	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	32.5	32.5	47.5	45.0
2 Beaver	470	477	486	496	503	503	500	496	490	490	484	318	312	470	461
3 Beaver	451	458	467	477	484	484	481	477	471	471	465	305	299	451	443
4 Beaver 8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.0	13.0	19.0	18.0
5 Bennett Mountain Peaking Plant	153	153	156	160	163	169	169	164	159	160	160	104	102	153	151
6 Boulder Park	23.4	23.4	23.4	21.0	21.0	21.0	23.4	23.4	23.4	23.4	23.4	16.0	16.0	23.4	21.6
7 Carty Generating Station	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374
8 Chehalis Generation Facility	460	460	465	475	484	487	488	485	483	478	478	471	157	460	450
9 Dave Gates Generating Station	143	143	143	143	143	143	143	143	143	143	143	97.5	97.5	143	135
10 Encogen	157	157	159	164	168	171	172	169	167	165	165	-51.0	108	157	142
11 Evander Andrews Complex	237	237	241	246	251	261	261	253	245	247	247	162	158	236	233
12 Danskin 1	77.9	77.9	79.8	81.7	83.6	87.4	87.4	83.6	81.7	81.7	81.7	54.1	52.2	77.9	77.4
13 Danskin 2	159	159	162	164	167	174	174	169	163	165	165	108	106	158	156
14 Frederickson CT	252	252	255	259	263	265	265	264	263	261	0	45.3	171	253	224
15 Frederickson Power Project	139	139	141	145	150	152	152	150	149	147	147	-48.0	92.7	139	125
16 Fredonia	296	296	301	310	318	324	325	321	317	313	0	50.8	198	296	268
17 Fredonia 1 & 2	195	195	198	204	209	212	213	210	208	205	0	33.6	131	195	176
18 Fredonia 3 & 4	101	101	103	107	110	112	113	111	109	108	0	17.2	67.5	101	92.0
19 Goldendale Energy Center	244	244	249	253	258	261	260	258	256	254	254	42.5	165	244	228
20 Grimes Way	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	2.60	2.60	3.80	3.60
21 Kettle Falls Station (CT)	8.10	8.10	9.00	9.50	9.50	10.5	10.5	10.5	9.50	9.50	9.50	5.30	5.30	8.10	8.77
22 Klamath Generation Facility	460	460	460	460	460	460	460	460	460	460	460	315	315	460	436
23 Klamath Generation Peakings (C)	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	65.0	65.0	95.0	90.0
24 Lancaster	230	230	238	234	238	254	253	239	237	154	154	50.8	148	228	208
25 Langley Gulch CT	285	285	285	285	285	285	285	285	285	285	285	195	195	285	270
26 Loki Peaking Project	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	3.90	10.5	10.5	9.94
27 Mint Farm Energy Center	271	271	274	280	284	286	286	284	283	281	0	188	185	272	253
28 Northeast 1 & 2	41.8	41.8	43.7	19.8	60.8	62.7	62.7	60.8	58.9	57.0	57.0	43.7	43.7	39.9	49.5
29 Olympic View	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	3.80	3.80	5.60	5.30
30 Pasco Peak Power Plant	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	15.4	41.8	41.8	39.6
31 Port Westward	566	566	567	576	584	589	589	587	583	577	577	446	441	565	556
32 Port Westward 1	379	379	380	389	397	402	402	400	396	390	390	259	254	378	369
33 Port Westward 2	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187
34 Rathdrum	132	132	135	148	160	165	167	163	160	154	154	95.4	87.8	139	142
35 River Road	236	236	236	236	236	236	236	236	236	236	236	86.8	236	236	223
36 Satsop Combustion Turbine Proj	618	618	618	618	618	618	618	618	618	618	618	228	618	618	584
37 Stahlbush Island Farms Biogas	1.46	1.46	1.50	1.46	1.50	1.46	1.46	1.61	1.46	1.50	1.50	1.46	1.50	1.46	1.48
38 University of Washington Power	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	9.80	9.80	14.3	13.5
39 Whitehorn	140	140	142	146	150	152	153	151	149	147	0	96.3	93.8	140	132
<b>Total Combustion Turbine Resources</b>															
40 Investor Owned Utilities	4543	4550	4608	4661	4780	4850	4854	4797	4750	4636	3759	2714	3097	4545	4365
41 Marketer	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	607	997	1172	1110
42 Municipality	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	12.4	12.4	18.1	17.1
43 Public Utility District	420	420	422	424	426	426	427	426	425	424	294	133	377	420	390
<b>44 Total</b>	<b>6153</b>	<b>6160</b>	<b>6220</b>	<b>6275</b>	<b>6396</b>	<b>6467</b>	<b>6471</b>	<b>6413</b>	<b>6365</b>	<b>6251</b>	<b>5243</b>	<b>3466</b>	<b>4484</b>	<b>6156</b>	<b>5882</b>

**Table A-10: Regional: Combustion Turbine Resources**

**Operating Year 2019**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Combustion Turbine Resources</b>															
1 Basin Creek Project	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	32.5	32.5	47.5	45.0
2 Beaver	470	477	486	496	503	503	500	496	490	490	484	318	312	470	461
3 Beaver	451	458	467	477	484	484	481	477	471	471	465	305	299	451	443
4 Beaver 8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.0	13.0	19.0	18.0
5 Bennett Mountain Peaking Plant	153	153	156	160	163	169	169	164	159	160	160	104	102	153	151
6 Boulder Park	23.4	23.4	23.4	21.0	21.0	21.0	23.4	23.4	23.4	23.4	23.4	16.0	16.0	23.4	21.6
7 Carty Generating Station	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374
8 Chehalis Generation Facility	379	460	465	475	484	487	488	485	483	478	478	471	157	460	446
9 Dave Gates Generating Station	143	143	143	143	143	143	143	143	143	143	143	97.5	97.5	143	135
10 Encogen	157	157	159	164	168	171	172	169	167	165	165	-51.0	108	157	142
11 Evander Andrews Complex	237	237	241	246	251	261	261	253	245	247	247	162	158	236	233
12 Danskin 1	77.9	77.9	79.8	81.7	83.6	87.4	87.4	83.6	81.7	81.7	81.7	54.1	52.2	77.9	77.4
13 Danskin 2	159	159	162	164	167	174	174	169	163	165	165	108	106	158	156
14 Frederickson CT	252	252	255	259	263	265	265	264	263	261	0	45.3	171	253	224
15 Frederickson Power Project	139	139	141	145	150	152	152	150	149	147	147	-48.0	92.7	139	125
16 Fredonia	296	296	301	310	318	324	325	321	317	313	0	50.8	198	296	268
17 Fredonia 1 & 2	195	195	198	204	209	212	213	210	208	205	0	33.6	131	195	176
18 Fredonia 3 & 4	101	101	103	107	110	112	113	111	109	108	0	17.2	67.5	101	92.0
19 Goldendale Energy Center	244	244	249	253	258	261	260	258	256	254	254	42.5	165	244	228
20 Grimes Way	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	2.60	2.60	3.80	3.60
21 Kettle Falls Station (CT)	8.10	8.10	9.00	9.50	9.50	10.5	10.5	10.5	9.50	9.50	9.50	5.30	5.30	8.10	8.77
22 Klamath Generation Facility	460	460	460	460	460	460	460	460	460	460	460	315	315	460	436
23 Klamath Generation Peakings (C)	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	65.0	65.0	95.0	90.0
24 Lancaster	230	230	238	234	238	254	253	239	237	154	154	72.9	148	228	210
25 Langley Gulch CT	285	285	285	285	285	285	285	285	285	285	285	195	195	285	270
26 Loki Peaking Project	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	3.90	10.5	10.5	9.94
27 Mint Farm Energy Center	271	271	274	280	284	286	286	284	283	281	0	188	185	272	253
28 Northeast 1 & 2	41.8	41.8	43.7	19.8	60.8	62.7	62.7	60.8	58.9	57.0	57.0	43.7	43.7	39.9	49.5
29 Olympic View	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	3.80	3.80	5.60	5.30
30 Pasco Peak Power Plant	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	15.4	41.8	41.8	39.6
31 Port Westward	566	566	567	576	584	589	589	587	583	577	577	446	441	565	556
32 Port Westward 1	379	379	380	389	397	402	402	400	396	390	390	259	254	378	369
33 Port Westward 2	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187
34 Rathdrum	132	132	135	148	160	165	167	163	160	154	154	95.4	87.8	139	142
35 River Road	236	236	236	236	236	236	236	236	236	236	236	86.8	236	236	223
36 Satsop Combustion Turbine Proj	618	618	618	618	618	618	618	618	618	618	618	228	618	618	584
37 Stahlbush Island Farms Biogas	1.46	1.46	1.50	1.46	1.50	1.46	1.46	1.61	1.46	1.50	1.50	1.46	1.50	1.46	1.48
38 University of Washington Power	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	9.80	9.80	14.3	13.5
39 Whitehorn	140	140	142	146	150	152	153	151	149	147	0	96.3	93.8	140	132
<b>Total Combustion Turbine Resources</b>															
40 Investor Owned Utilities	4462	4550	4608	4661	4780	4850	4854	4797	4750	4636	3759	2736	3097	4545	4364
41 Marketer	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	607	997	1172	1110
42 Municipality	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	12.4	12.4	18.1	17.1
43 Public Utility District	420	420	422	424	426	426	427	426	425	424	294	133	377	420	390
<b>44 Total</b>	<b>6072</b>	<b>6160</b>	<b>6220</b>	<b>6275</b>	<b>6396</b>	<b>6467</b>	<b>6471</b>	<b>6413</b>	<b>6365</b>	<b>6251</b>	<b>5243</b>	<b>3488</b>	<b>4484</b>	<b>6156</b>	<b>5881</b>

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2020

2015 White Book Report Date: 6/30/2015

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Combustion Turbine Resources</b>															
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2 Beaver	470	477	486	496	503	503	500	496	490	490	484	318	312	470	461
3 Beaver	451	458	467	477	484	484	481	477	471	471	465	305	299	451	443
4 Beaver 8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.0	13.0	19.0	18.0
5 Bennett Mountain Peaking Plant	153	153	156	160	163	169	169	164	159	160	160	104	102	153	151
6 Boulder Park	23.4	23.4	23.4	21.0	21.0	21.0	23.4	23.4	23.4	23.4	23.4	16.0	16.0	23.4	21.6
7 Carty Generating Station	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374
8 Chehalis Generation Facility	379	460	465	475	484	487	488	485	483	478	478	471	157	460	446
9 Dave Gates Generating Station	143	143	143	143	143	143	143	143	143	143	143	97.5	97.5	143	135
10 Encogen	157	157	159	164	168	171	172	169	167	165	165	-51.0	108	157	142
11 Evander Andrews Complex	237	237	241	246	251	261	261	253	245	247	247	162	158	236	233
12 Danskin 1	77.9	77.9	79.8	81.7	83.6	87.4	87.4	83.6	81.7	81.7	81.7	54.1	52.2	77.9	77.4
13 Danskin 2	159	159	162	164	167	174	174	169	163	165	165	108	106	158	156
14 Frederickson CT	252	252	255	259	263	265	265	264	263	261	0	45.3	171	253	224
15 Frederickson Power Project	139	139	141	145	150	152	152	150	149	147	147	-48.0	92.7	139	125
16 Fredonia	296	296	301	310	318	324	325	321	317	313	0	50.8	198	296	268
17 Fredonia 1 & 2	195	195	198	204	209	212	213	210	208	205	0	33.6	131	195	176
18 Fredonia 3 & 4	101	101	103	107	110	112	113	111	109	108	0	17.2	67.5	101	92.0
19 Goldendale Energy Center	244	244	249	253	258	261	260	258	256	254	254	42.5	165	244	228
20 Grimes Way	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	2.60	2.60	3.80	3.60
21 Kettle Falls Station (CT)	8.10	8.10	9.00	9.50	9.50	10.5	10.5	10.5	9.50	9.50	9.50	5.30	5.30	8.10	8.77
22 Klamath Generation Facility	460	460	460	460	460	460	460	460	460	460	460	315	315	460	436
23 Klamath Generation Peakings (C)	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	65.0	65.0	95.0	90.0
24 Lancaster	230	230	238	234	238	254	253	239	237	154	154	109	119	228	211
25 Langley Gulch CT	285	285	285	285	285	285	285	285	285	285	285	195	195	285	270
26 Loki Peaking Project	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	3.90	10.5	10.5	9.94
27 Mint Farm Energy Center	271	271	274	280	284	286	286	284	283	281	0	188	185	272	253
28 Northeast 1 & 2	41.8	41.8	43.7	19.8	60.8	62.7	62.7	60.8	58.9	57.0	57.0	43.7	43.7	39.9	49.5
29 Olympic View	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	3.80	3.80	5.60	5.30
30 Pasco Peak Power Plant	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	15.4	41.8	41.8	39.6
31 Port Westward	566	566	567	576	584	589	589	587	583	577	577	446	441	565	556
32 Port Westward 1	379	379	380	389	397	402	402	400	396	390	390	259	254	378	369
33 Port Westward 2	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187
34 Rathdrum	132	132	135	148	160	165	167	163	160	154	154	95.4	87.8	139	142
35 River Road	236	236	236	236	236	236	236	236	236	236	236	86.8	236	236	223
36 Satsop Combustion Turbine Proj	618	618	618	618	618	618	618	618	618	618	618	228	618	618	584
37 Stahlbush Island Farms Biogas	1.46	1.46	1.50	1.46	1.50	1.46	1.46	1.61	1.46	1.50	1.50	1.46	1.50	1.46	1.49
38 University of Washington Power	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	9.80	9.80	14.3	13.6
39 Whitehorn	140	140	142	146	150	152	153	151	149	147	0	96.3	93.8	140	132
<b>Total Combustion Turbine Resources</b>															
40 Investor Owned Utilities	4462	4550	4608	4661	4780	4850	4854	4797	4750	4636	3759	2772	3068	4545	4366
41 Marketer	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	607	997	1172	1110
42 Municipality	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	12.4	12.4	18.1	17.2
43 Public Utility District	420	420	422	424	426	426	427	426	425	424	294	133	377	420	390
<b>44 Total</b>	<b>6072</b>	<b>6160</b>	<b>6220</b>	<b>6275</b>	<b>6396</b>	<b>6467</b>	<b>6471</b>	<b>6413</b>	<b>6365</b>	<b>6251</b>	<b>5243</b>	<b>3524</b>	<b>4455</b>	<b>6156</b>	<b>5883</b>

**Table A-10: Regional: Combustion Turbine Resources**

**Operating Year 2021**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Combustion Turbine Resources</b>															
1 Basin Creek Project	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	32.5	32.5	47.5	45.0
2 Beaver	470	477	486	496	503	503	500	496	490	490	484	318	312	470	461
3 Beaver	451	458	467	477	484	484	481	477	471	471	465	305	299	451	443
4 Beaver 8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.0	13.0	19.0	18.0
5 Bennett Mountain Peaking Plant	153	153	156	160	163	169	169	164	159	160	160	104	102	153	151
6 Boulder Park	23.4	23.4	23.4	21.0	21.0	21.0	23.4	23.4	23.4	23.4	23.4	16.0	16.0	23.4	21.6
7 Carty Generating Station	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374
8 Chehalis Generation Facility	460	460	465	475	484	487	488	485	483	478	478	471	157	460	450
9 Dave Gates Generating Station	143	143	143	143	143	143	143	143	143	143	143	97.5	97.5	143	135
10 Encogen	157	157	159	164	168	171	172	169	167	165	165	-51.0	108	157	142
11 Evander Andrews Complex	237	237	241	246	251	261	261	253	245	247	247	162	158	236	233
12 Danskin 1	77.9	77.9	79.8	81.7	83.6	87.4	87.4	83.6	81.7	81.7	81.7	54.1	52.2	77.9	77.4
13 Danskin 2	159	159	162	164	167	174	174	169	163	165	165	108	106	158	156
14 Frederickson CT	252	252	255	259	263	265	265	264	263	261	0	45.3	171	253	224
15 Frederickson Power Project	139	139	141	145	150	152	152	150	149	147	147	-48.0	92.7	139	125
16 Fredonia	296	296	301	310	318	324	325	321	317	313	0	50.8	198	296	268
17 Fredonia 1 & 2	195	195	198	204	209	212	213	210	208	205	0	33.6	131	195	176
18 Fredonia 3 & 4	101	101	103	107	110	112	113	111	109	108	0	17.2	67.5	101	92.0
19 Goldendale Energy Center	244	244	249	253	258	261	260	258	256	254	254	42.5	165	244	228
20 Grimes Way	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	2.60	2.60	3.80	3.60
21 Kettle Falls Station (CT)	8.10	8.10	9.00	9.50	9.50	10.5	10.5	10.5	9.50	9.50	9.50	5.30	5.30	8.10	8.77
22 Klamath Generation Facility	460	460	460	460	460	460	460	460	460	460	460	315	315	460	436
23 Klamath Generation Peakings (C	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	65.0	65.0	95.0	90.0
24 Lancaster	230	230	238	234	238	254	253	239	237	154	154	87.5	148	228	212
25 Langley Gulch CT	285	285	285	285	285	285	285	285	285	285	285	195	195	285	270
26 Loki Peaking Project	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	3.90	10.5	10.5	9.94
27 Mint Farm Energy Center	271	271	274	280	284	286	286	284	283	281	0	188	185	272	253
28 Northeast 1 & 2	41.8	41.8	43.7	19.8	60.8	62.7	62.7	60.8	58.9	57.0	57.0	43.7	43.7	39.9	49.5
29 Olympic View	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	3.80	3.80	5.60	5.30
30 Pasco Peak Power Plant	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	15.4	41.8	41.8	39.6
31 Port Westward	566	566	567	576	584	589	589	587	583	577	577	446	441	565	556
32 Port Westward 1	379	379	380	389	397	402	402	400	396	390	390	259	254	378	369
33 Port Westward 2	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187
34 Rathdrum	132	132	135	148	160	165	167	163	160	154	154	95.4	87.8	139	142
35 River Road	236	236	236	236	236	236	236	236	236	236	236	86.8	236	236	223
36 Satsop Combustion Turbine Proj	618	618	618	618	618	618	618	618	618	618	618	228	618	618	584
37 Stahlbush Island Farms Bioqas	1.46	1.46	1.50	1.46	1.50	1.46	1.46	1.61	1.46	1.50	1.50	1.46	1.50	1.46	1.48
38 University of Washington Power	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	9.80	9.80	14.3	13.5
39 Whitehorn	140	140	142	146	150	152	153	151	149	147	0	96.3	93.8	140	132
<b>Total Combustion Turbine Resources</b>															
40 Investor Owned Utilities	4543	4550	4608	4661	4780	4850	4854	4797	4750	4636	3759	2750	3097	4545	4368
41 Marketer	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	607	997	1172	1110
42 Municipality	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	12.4	12.4	18.1	17.1
43 Public Utility District	420	420	422	424	426	426	427	426	425	424	294	133	377	420	390
<b>44 Total</b>	<b>6153</b>	<b>6160</b>	<b>6220</b>	<b>6275</b>	<b>6396</b>	<b>6467</b>	<b>6471</b>	<b>6413</b>	<b>6365</b>	<b>6251</b>	<b>5243</b>	<b>3503</b>	<b>4484</b>	<b>6156</b>	<b>5886</b>



**Table A-10: Regional: Combustion Turbine Resources**

**Operating Year 2022**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Combustion Turbine Resources</b>															
1 Basin Creek Project	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	32.5	32.5	47.5	45.0
2 Beaver	470	477	486	496	503	503	500	496	490	490	484	318	312	470	461
3 Beaver	451	458	467	477	484	484	481	477	471	471	465	305	299	451	443
4 Beaver 8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.0	13.0	19.0	18.0
5 Bennett Mountain Peaking Plant	153	153	156	160	163	169	169	164	159	160	160	104	102	153	151
6 Boulder Park	23.4	23.4	23.4	21.0	21.0	21.0	23.4	23.4	23.4	23.4	23.4	16.0	16.0	23.4	21.6
7 Carty Generating Station	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374
8 Chehalis Generation Facility	460	460	465	475	484	487	488	485	483	478	478	471	157	460	450
9 Dave Gates Generating Station	143	143	143	143	143	143	143	143	143	143	143	97.5	97.5	143	135
10 Encogen	157	157	159	164	168	171	172	169	167	165	165	-51.0	108	157	142
11 Evander Andrews Complex	237	237	241	246	251	261	261	253	245	247	247	162	158	236	233
12 Danskin 1	77.9	77.9	79.8	81.7	83.6	87.4	87.4	83.6	81.7	81.7	81.7	54.1	52.2	77.9	77.4
13 Danskin 2	159	159	162	164	167	174	174	169	163	165	165	108	106	158	156
14 Frederickson CT	252	252	255	259	263	265	265	264	263	261	0	45.3	171	253	224
15 Frederickson Power Project	139	139	141	145	150	152	152	150	149	147	147	-48.0	92.7	139	125
16 Fredonia	296	296	301	310	318	324	325	321	317	313	0	50.8	198	296	268
17 Fredonia 1 & 2	195	195	198	204	209	212	213	210	208	205	0	33.6	131	195	176
18 Fredonia 3 & 4	101	101	103	107	110	112	113	111	109	108	0	17.2	67.5	101	92.0
19 Goldendale Energy Center	244	244	249	253	258	261	260	258	256	254	254	42.5	165	244	228
20 Grimes Way	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	2.60	2.60	3.80	3.60
21 Kettle Falls Station (CT)	8.10	8.10	9.00	9.50	9.50	10.5	10.5	10.5	9.50	9.50	9.50	5.30	5.30	8.10	8.77
22 Klamath Generation Facility	460	460	460	460	460	460	460	460	460	460	460	315	315	460	436
23 Klamath Generation Peakings (C	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	65.0	65.0	95.0	90.0
24 Lancaster	230	230	238	234	238	254	253	239	237	154	154	72.9	148	228	210
25 Langley Gulch CT	285	285	285	285	285	285	285	285	285	285	285	195	195	285	270
26 Loki Peaking Project	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	3.90	10.5	10.5	9.94
27 Mint Farm Energy Center	271	271	274	280	284	286	286	284	283	281	0	188	185	272	253
28 Northeast 1 & 2	41.8	41.8	43.7	19.8	60.8	62.7	62.7	60.8	58.9	57.0	57.0	43.7	43.7	39.9	49.5
29 Olympic View	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	3.80	3.80	5.60	5.30
30 Pasco Peak Power Plant	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	15.4	41.8	41.8	39.6
31 Port Westward	566	566	567	576	584	589	589	587	583	577	577	446	441	565	556
32 Port Westward 1	379	379	380	389	397	402	402	400	396	390	390	259	254	378	369
33 Port Westward 2	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187
34 Rathdrum	132	132	135	148	160	165	167	163	160	154	154	95.4	87.8	139	142
35 River Road	236	236	236	236	236	236	236	236	236	236	236	86.8	236	236	223
36 Satsop Combustion Turbine Proj	618	618	618	618	618	618	618	618	618	618	618	228	618	618	584
37 Stahlbush Island Farms Biogas	1.46	1.46	1.50	1.46	1.50	1.46	1.46	1.61	1.46	1.50	1.50	1.46	1.50	1.46	1.48
38 University of Washington Power	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	9.80	9.80	14.3	13.5
39 Whitehorn	140	140	142	146	150	152	153	151	149	147	0	96.3	93.8	140	132
<b>Total Combustion Turbine Resources</b>															
40 Investor Owned Utilities	4543	4550	4608	4661	4780	4850	4854	4797	4750	4636	3759	2736	3097	4545	4367
41 Marketer	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	607	997	1172	1110
42 Municipality	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	12.4	12.4	18.1	17.1
43 Public Utility District	420	420	422	424	426	426	427	426	425	424	294	133	377	420	390
<b>44 Total</b>	<b>6153</b>	<b>6160</b>	<b>6220</b>	<b>6275</b>	<b>6396</b>	<b>6467</b>	<b>6471</b>	<b>6413</b>	<b>6365</b>	<b>6251</b>	<b>5243</b>	<b>3488</b>	<b>4484</b>	<b>6156</b>	<b>5884</b>

**Table A-10: Regional: Combustion Turbine Resources**

**Operating Year 2023**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Combustion Turbine Resources</b>															
1 Basin Creek Project	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	32.5	32.5	47.5	45.0
2 Beaver	470	477	486	496	503	503	500	496	490	490	484	318	312	470	461
3 Beaver	451	458	467	477	484	484	481	477	471	471	465	305	299	451	443
4 Beaver 8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.0	13.0	19.0	18.0
5 Bennett Mountain Peaking Plant	153	153	156	160	163	169	169	164	159	160	160	104	102	153	151
6 Boulder Park	23.4	23.4	23.4	21.0	21.0	21.0	23.4	23.4	23.4	23.4	23.4	16.0	16.0	23.4	21.6
7 Carty Generating Station	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374
8 Chehalis Generation Facility	460	460	465	475	484	487	488	485	483	478	478	471	157	460	450
9 Dave Gates Generating Station	143	143	143	143	143	143	143	143	143	143	143	97.5	97.5	143	135
10 Encogen	157	157	159	164	168	171	172	169	167	165	165	-51.0	108	157	142
11 Evander Andrews Complex	237	237	241	246	251	261	261	253	245	247	247	162	158	236	233
12 Danskin 1	77.9	77.9	79.8	81.7	83.6	87.4	87.4	83.6	81.7	81.7	81.7	54.1	52.2	77.9	77.4
13 Danskin 2	159	159	162	164	167	174	174	169	163	165	165	108	106	158	156
14 Frederickson CT	252	252	204	207	210	212	212	211	210	209	0	36.2	137	202	183
15 Frederickson Power Project	139	139	141	145	150	152	152	150	149	147	147	-48.0	92.7	139	125
16 Fredonia	296	296	301	310	318	324	325	321	317	313	0	50.8	198	296	268
17 Fredonia 1 & 2	195	195	198	204	209	212	213	210	208	205	0	33.6	131	195	176
18 Fredonia 3 & 4	101	101	103	107	110	112	113	111	109	108	0	17.2	67.5	101	92.0
19 Goldendale Energy Center	244	244	249	253	258	261	260	258	256	254	254	42.5	165	244	228
20 Grimes Way	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	2.60	2.60	3.80	3.60
21 Kettle Falls Station (CT)	8.10	8.10	9.00	9.50	9.50	10.5	10.5	10.5	9.50	9.50	9.50	5.30	5.30	8.10	8.77
22 Klamath Generation Facility	460	460	460	460	460	460	460	460	460	460	460	315	315	460	436
23 Klamath Generation Peakings (C	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	65.0	65.0	95.0	90.0
24 Lancaster	230	230	238	234	238	254	253	239	237	154	154	72.9	148	228	210
25 Langley Gulch CT	285	285	285	285	285	285	285	285	285	285	285	195	195	285	270
26 Loki Peaking Project	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	3.90	10.5	10.5	9.94
27 Mint Farm Energy Center	271	271	274	280	284	286	286	284	283	281	0	188	185	272	253
28 Northeast 1 & 2	41.8	41.8	43.7	19.8	60.8	62.7	62.7	60.8	58.9	57.0	57.0	43.7	43.7	39.9	49.5
29 Olympic View	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	3.80	3.80	5.60	5.30
30 Pasco Peak Power Plant	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	15.4	41.8	41.8	39.6
31 Port Westward	566	566	567	576	584	589	589	587	583	577	577	446	441	565	556
32 Port Westward 1	379	379	380	389	397	402	402	400	396	390	390	259	254	378	369
33 Port Westward 2	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187
34 Rathdrum	132	132	135	148	160	165	167	163	160	154	154	95.4	87.8	139	142
35 River Road	236	236	236	236	236	236	236	236	236	236	236	86.8	236	236	223
36 Satsop Combustion Turbine Proj	618	618	618	618	618	618	618	618	618	618	618	228	618	618	584
37 Stahlbush Island Farms Biogas	1.46	1.46	1.50	1.46	1.50	1.46	1.46	1.61	1.46	1.50	1.50	1.46	1.50	1.46	1.48
38 University of Washington Power	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	9.80	9.80	14.3	13.5
39 Whitehorn	140	140	142	146	150	152	153	151	149	147	0	96.3	93.8	140	132
<b>Total Combustion Turbine Resources</b>															
40 Investor Owned Utilities	4543	4550	4608	4661	4780	4850	4854	4797	4750	4636	3759	2736	3097	4545	4367
41 Marketer	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	607	997	1172	1110
42 Municipality	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	12.4	12.4	18.1	17.1
43 Public Utility District	420	420	371	372	373	373	374	373	373	372	294	124	343	370	350
<b>44 Total</b>	<b>6153</b>	<b>6160</b>	<b>6169</b>	<b>6224</b>	<b>6343</b>	<b>6414</b>	<b>6418</b>	<b>6360</b>	<b>6313</b>	<b>6199</b>	<b>5243</b>	<b>3479</b>	<b>4450</b>	<b>6105</b>	<b>5844</b>

**Table A-10: Regional: Combustion Turbine Resources**

**Operating Year 2024**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Combustion Turbine Resources</b>															
1 Basin Creek Project	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	32.5	32.5	47.5	45.0
2 Beaver	470	477	486	496	503	503	500	496	490	490	484	318	312	470	461
3 Beaver	451	458	467	477	484	484	481	477	471	471	465	305	299	451	443
4 Beaver 8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.0	13.0	19.0	18.0
5 Bennett Mountain Peaking Plant	153	153	156	160	163	169	169	164	159	160	160	104	102	153	151
6 Boulder Park	23.4	23.4	23.4	21.0	21.0	21.0	23.4	23.4	23.4	23.4	23.4	16.0	16.0	23.4	21.6
7 Carty Generating Station	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374
8 Chehalis Generation Facility	460	460	465	475	484	487	488	485	483	478	478	471	157	460	450
9 Dave Gates Generating Station	143	143	143	143	143	143	143	143	143	143	143	97.5	97.5	143	135
10 Encogen	157	157	159	164	168	171	172	169	167	165	165	-51.0	108	157	142
11 Evander Andrews Complex	237	237	241	246	251	261	261	253	245	247	247	162	158	236	233
12 Danskin 1	77.9	77.9	79.8	81.7	83.6	87.4	87.4	83.6	81.7	81.7	81.7	54.1	52.2	77.9	77.4
13 Danskin 2	159	159	162	164	167	174	174	169	163	165	165	108	106	158	156
14 Frederickson CT	202	202	204	207	210	212	212	211	210	209	0	36.2	137	202	179
15 Frederickson Power Project	139	139	141	145	150	152	152	150	149	147	147	-48.0	92.7	139	125
16 Fredonia	296	296	301	310	318	324	325	321	317	313	0	50.8	198	296	268
17 Fredonia 1 & 2	195	195	198	204	209	212	213	210	208	205	0	33.6	131	195	176
18 Fredonia 3 & 4	101	101	103	107	110	112	113	111	109	108	0	17.2	67.5	101	92.0
19 Goldendale Energy Center	244	244	249	253	258	261	260	258	256	254	254	42.5	165	244	228
20 Grimes Way	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	2.60	2.60	3.80	3.60
21 Kettle Falls Station (CT)	8.10	8.10	9.00	9.50	9.50	10.5	10.5	10.5	9.50	9.50	9.50	5.30	5.30	8.10	8.77
22 Klamath Generation Facility	460	460	460	460	460	460	460	460	460	460	460	315	315	460	436
23 Klamath Generation Peakings (C	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	65.0	65.0	95.0	90.0
24 Lancaster	230	230	238	234	238	254	253	239	237	154	154	109	119	228	211
25 Langley Gulch CT	285	285	285	285	285	285	285	285	285	285	285	195	195	285	270
26 Loki Peaking Project	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	3.90	10.5	10.5	9.94
27 Mint Farm Energy Center	271	271	274	280	284	286	286	284	283	281	0	188	185	272	253
28 Northeast 1 & 2	41.8	41.8	43.7	19.8	60.8	62.7	62.7	60.8	58.9	57.0	57.0	43.7	43.7	39.9	49.5
29 Olympic View	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	3.80	3.80	5.60	5.30
30 Pasco Peak Power Plant	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	15.4	41.8	41.8	39.6
31 Port Westward	566	566	567	576	584	589	589	587	583	577	577	446	441	565	556
32 Port Westward 1	379	379	380	389	397	402	402	400	396	390	390	259	254	378	369
33 Port Westward 2	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187
34 Rathdrum	132	132	135	148	160	165	167	163	160	154	154	95.4	87.8	139	142
35 River Road	236	236	236	236	236	236	236	236	236	236	236	86.8	236	236	223
36 Satsop Combustion Turbine Proj	618	618	618	618	618	618	618	618	618	618	618	228	618	618	584
37 Stahlbush Island Farms Biogas	1.46	1.46	1.50	1.46	1.50	1.46	1.46	1.61	1.46	1.50	1.50	1.46	1.50	1.46	1.49
38 University of Washington Power	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	9.80	9.80	14.3	13.6
39 Whitehorn	140	140	142	146	150	152	153	151	149	147	0	96.3	93.8	140	132
<b>Total Combustion Turbine Resources</b>															
40 Investor Owned Utilities	4543	4550	4608	4661	4780	4850	4854	4797	4750	4636	3759	2772	3068	4545	4369
41 Marketer	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	607	997	1172	1110
42 Municipality	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	12.4	12.4	18.1	17.2
43 Public Utility District	370	370	371	372	373	373	374	373	373	372	294	124	343	370	345
<b>44 Total</b>	<b>6103</b>	<b>6110</b>	<b>6169</b>	<b>6224</b>	<b>6343</b>	<b>6414</b>	<b>6418</b>	<b>6360</b>	<b>6313</b>	<b>6199</b>	<b>5243</b>	<b>3515</b>	<b>4421</b>	<b>6105</b>	<b>5842</b>

**Table A-10: Regional: Combustion Turbine Resources**

**Operating Year 2025**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Combustion Turbine Resources</b>															
1 Basin Creek Project	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	32.5	32.5	47.5	45.0
2 Beaver	470	477	486	496	503	503	500	496	490	490	484	318	312	470	461
3 Beaver	451	458	467	477	484	484	481	477	471	471	465	305	299	451	443
4 Beaver 8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.0	13.0	19.0	18.0
5 Bennett Mountain Peaking Plant	153	153	156	160	163	169	169	164	159	160	160	104	102	153	151
6 Boulder Park	23.4	23.4	23.4	21.0	21.0	21.0	23.4	23.4	23.4	23.4	23.4	16.0	16.0	23.4	21.6
7 Carty Generating Station	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374
8 Chehalis Generation Facility	460	460	465	475	484	487	488	485	483	478	478	471	157	460	450
9 Dave Gates Generating Station	143	143	143	143	143	143	143	143	143	143	143	97.5	97.5	143	135
10 Encogen	157	157	159	164	168	171	172	169	167	165	165	-51.0	108	157	142
11 Evander Andrews Complex	237	237	241	246	251	261	261	253	245	247	247	162	158	236	233
12 Danskin 1	77.9	77.9	79.8	81.7	83.6	87.4	87.4	83.6	81.7	81.7	81.7	54.1	52.2	77.9	77.4
13 Danskin 2	159	159	162	164	167	174	174	169	163	165	165	108	106	158	156
14 Frederickson CT	202	202	204	207	210	212	212	211	210	209	0	36.2	137	202	179
15 Frederickson Power Project	139	139	141	145	150	152	152	150	149	147	147	-48.0	92.7	139	125
16 Fredonia	296	296	301	310	318	324	325	321	317	313	0	50.8	198	296	268
17 Fredonia 1 & 2	195	195	198	204	209	212	213	210	208	205	0	33.6	131	195	176
18 Fredonia 3 & 4	101	101	103	107	110	112	113	111	109	108	0	17.2	67.5	101	92.0
19 Goldendale Energy Center	244	244	249	253	258	261	260	258	256	254	254	42.5	165	244	228
20 Grimes Way	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	2.60	2.60	3.80	3.60
21 Kettle Falls Station (CT)	8.10	8.10	9.00	9.50	9.50	10.5	10.5	10.5	9.50	9.50	9.50	5.30	5.30	8.10	8.77
22 Klamath Generation Facility	460	460	460	460	460	460	460	460	460	460	460	315	315	460	436
23 Klamath Generation Peakings (C	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	65.0	65.0	95.0	90.0
24 Lancaster	230	230	238	234	238	254	253	239	237	154	154	87.5	148	228	212
25 Langley Gulch CT	285	285	285	285	285	285	285	285	285	285	285	195	195	285	270
26 Loki Peaking Project	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	3.90	10.5	10.5	9.94
27 Mint Farm Energy Center	271	271	274	280	284	286	286	284	283	281	0	188	185	272	253
28 Northeast 1 & 2	41.8	41.8	43.7	19.8	60.8	62.7	62.7	60.8	58.9	57.0	57.0	43.7	43.7	39.9	49.5
29 Olympic View	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	3.80	3.80	5.60	5.30
30 Pasco Peak Power Plant	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	15.4	41.8	41.8	39.6
31 Port Westward	566	566	567	576	584	589	589	587	583	577	577	446	441	565	556
32 Port Westward 1	379	379	380	389	397	402	402	400	396	390	390	259	254	378	369
33 Port Westward 2	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187
34 Rathdrum	132	132	135	148	160	165	167	163	160	154	154	95.4	87.8	139	142
35 River Road	236	236	236	236	236	236	236	236	236	236	236	86.8	236	236	223
36 Satsop Combustion Turbine Proj	618	618	618	618	618	618	618	618	618	618	618	228	618	618	584
37 Stahlbush Island Farms Biogas	1.46	1.46	1.50	1.46	1.50	1.46	1.46	1.61	1.46	1.50	1.50	1.46	1.50	1.46	1.48
38 University of Washington Power	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	9.80	9.80	14.3	13.5
39 Whitehorn	140	140	142	146	150	152	153	151	149	147	0	96.3	93.8	140	132
<b>Total Combustion Turbine Resources</b>															
40 Investor Owned Utilities	4543	4550	4608	4661	4780	4850	4854	4797	4750	4636	3759	2750	3097	4545	4368
41 Marketer	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	607	997	1172	1110
42 Municipality	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	12.4	12.4	18.1	17.1
43 Public Utility District	370	370	371	372	373	373	374	373	373	372	294	124	343	370	345
<b>44 Total</b>	<b>6103</b>	<b>6110</b>	<b>6169</b>	<b>6224</b>	<b>6343</b>	<b>6414</b>	<b>6418</b>	<b>6360</b>	<b>6313</b>	<b>6199</b>	<b>5243</b>	<b>3494</b>	<b>4450</b>	<b>6105</b>	<b>5841</b>

**Table A-10: Regional: Combustion Turbine Resources**

**Operating Year 2026**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Combustion Turbine Resources</b>															
1 Basin Creek Project	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	32.5	32.5	47.5	45.0
2 Beaver	470	477	486	496	503	503	500	496	490	490	484	318	312	470	461
3 Beaver	451	458	467	477	484	484	481	477	471	471	465	305	299	451	443
4 Beaver 8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.0	13.0	19.0	18.0
5 Bennett Mountain Peaking Plant	153	153	156	160	163	169	169	164	159	160	160	104	102	153	151
6 Boulder Park	23.4	23.4	23.4	21.0	21.0	21.0	23.4	23.4	23.4	23.4	23.4	16.0	16.0	23.4	21.6
7 Carty Generating Station	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374
8 Chehalis Generation Facility	460	460	465	475	484	487	488	485	483	478	478	471	157	460	450
9 Dave Gates Generating Station	143	143	143	143	143	143	143	143	143	143	143	97.5	97.5	143	135
10 Encogen	157	157	159	164	168	171	172	169	167	165	165	-51.0	108	157	142
11 Evander Andrews Complex	237	237	241	246	251	261	261	253	245	247	247	162	158	236	233
12 Danskin 1	77.9	77.9	79.8	81.7	83.6	87.4	87.4	83.6	81.7	81.7	81.7	54.1	52.2	77.9	77.4
13 Danskin 2	159	159	162	164	167	174	174	169	163	165	165	108	106	158	156
14 Frederickson CT	202	202	204	207	210	212	212	211	210	209	0	36.2	137	202	179
15 Frederickson Power Project	139	139	141	145	150	152	152	150	149	147	147	-48.0	92.7	139	125
16 Fredonia	296	296	301	310	318	324	325	321	317	313	0	50.8	198	296	268
17 Fredonia 1 & 2	195	195	198	204	209	212	213	210	208	205	0	33.6	131	195	176
18 Fredonia 3 & 4	101	101	103	107	110	112	113	111	109	108	0	17.2	67.5	101	92.0
19 Goldendale Energy Center	244	244	249	253	258	261	260	258	256	254	254	42.5	165	244	228
20 Grimes Way	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	2.60	2.60	3.80	3.60
21 Kettle Falls Station (CT)	8.10	8.10	9.00	9.50	9.50	10.5	10.5	10.5	9.50	9.50	9.50	5.30	5.30	8.10	8.77
22 Klamath Generation Facility	460	460	460	460	460	460	460	460	460	460	460	315	315	460	436
23 Klamath Generation Peakings (C	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	65.0	65.0	95.0	90.0
24 Lancaster	230	230	238	234	238	254	253	239	237	154	154	72.9	148	228	210
25 Langley Gulch CT	285	285	285	285	285	285	285	285	285	285	285	195	195	285	270
26 Loki Peaking Project	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	3.90	10.5	10.5	9.94
27 Mint Farm Energy Center	271	271	274	280	284	286	286	284	283	281	0	188	185	272	253
28 Northeast 1 & 2	41.8	41.8	43.7	19.8	60.8	62.7	62.7	60.8	58.9	57.0	57.0	43.7	43.7	39.9	49.5
29 Olympic View	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	3.80	3.80	5.60	5.30
30 Pasco Peak Power Plant	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	15.4	41.8	41.8	39.6
31 Port Westward	566	566	567	576	584	589	589	587	583	577	577	446	441	565	556
32 Port Westward 1	379	379	380	389	397	402	402	400	396	390	390	259	254	378	369
33 Port Westward 2	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187
34 Rathdrum	132	132	135	148	160	165	167	163	160	154	154	95.4	87.8	139	142
35 River Road	236	236	236	236	236	236	236	236	236	236	236	86.8	236	236	223
36 Satsop Combustion Turbine Proj	618	618	618	618	618	618	618	618	618	618	618	228	618	618	584
37 Stahlbush Island Farms Bioqas	1.46	1.46	1.50	1.46	1.50	1.46	1.46	1.61	1.46	1.50	1.50	1.46	1.50	1.46	1.48
38 University of Washington Power	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	9.80	9.80	14.3	13.5
39 Whitehorn	140	140	142	146	150	152	153	151	149	147	0	96.3	93.8	140	132
<b>Total Combustion Turbine Resources</b>															
40 Investor Owned Utilities	4543	4550	4608	4661	4780	4850	4854	4797	4750	4636	3759	2736	3097	4545	4367
41 Marketer	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	607	997	1172	1110
42 Municipality	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	12.4	12.4	18.1	17.1
43 Public Utility District	370	370	371	372	373	373	374	373	373	372	294	124	343	370	345
<b>44 Total</b>	<b>6103</b>	<b>6110</b>	<b>6169</b>	<b>6224</b>	<b>6343</b>	<b>6414</b>	<b>6418</b>	<b>6360</b>	<b>6313</b>	<b>6199</b>	<b>5243</b>	<b>3479</b>	<b>4450</b>	<b>6105</b>	<b>5840</b>

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***Exhibit 30***  
***Table A-11: Regional Renewable Resources***

***Monthly Energy***  
***Operating Year 2017 to 2026***  
***Using 1937-Water Conditions***

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**Table A-11: Regional: Renewable Resources**  
**Operating Year 2017**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Renewable Resources</b>															
1 3 Bar G Wind	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
2 American Falls Solar	0	0	0	0	0	2.74	3.31	5.43	10.3	11.9	11.9	14.5	16.0	16.7	6.75
3 American Falls Solar 1	0	0	0	0	0	1.37	1.65	2.72	5.15	5.95	5.95	7.27	8.02	8.36	3.38
4 American Falls Solar 2	0	0	0	0	0	1.37	1.65	2.72	5.15	5.95	5.95	7.27	8.02	8.36	3.38
5 Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
6 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0
10 Bellevue Solar (Amity, OR)	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
11 Bennett Creek Wind	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
12 Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41	0.69
13 Big Horn Wind	47.8	73.9	67.7	76.1	55.8	47.8	37.4	35.9	67.5	86.8	67.7	71.3	97.7	79.8	64.8
14 Big Horn 1	38.2	59.1	54.1	60.9	44.7	38.2	29.9	28.7	54.0	69.4	54.2	57.0	78.1	63.8	51.8
15 Big Horn 2	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
16 Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03	1.06
17 Biglow Canyon Wind	86.2	133	122	137	101	86.2	67.4	64.8	122	156	122	128	176	144	117
18 Biglow Canyon 1	24.0	37.2	34.0	38.3	28.1	24.0	18.8	18.1	33.9	43.6	34.0	35.8	49.1	40.1	32.6
19 Biglow Canyon 2	28.6	44.3	40.6	45.6	33.5	28.7	22.4	21.5	40.5	52.0	40.6	42.7	58.5	47.8	38.8
20 Biglow Canyon 3	33.5	51.8	47.4	53.3	39.1	33.5	26.2	25.2	47.3	60.8	47.5	49.9	68.4	55.9	45.4
21 Black Cap Solar Project	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
22 Boise City Solar	16.2	16.2	13.7	11.6	7.07	6.09	6.19	9.07	11.1	12.9	12.9	15.1	16.0	17.4	11.9
23 Burley Butte Wind	3.74	5.78	5.29	5.95	4.37	3.74	2.92	2.81	5.28	6.78	5.29	5.57	7.63	6.24	5.06
24 Camp Reed	4.31	6.67	6.11	6.87	5.04	4.31	3.37	3.24	6.09	7.82	6.11	6.43	8.81	7.20	5.84
25 Cassia Farms Wind	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
26 Cassia Gulch Wind	3.62	5.60	5.13	5.77	4.23	3.62	2.83	2.72	5.12	6.57	5.13	5.40	7.40	6.05	4.91
27 Cedar Hills Landfill	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
28 Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36
29 Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38
30 Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98
31 Cold Springs	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
32 Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
33 Combine Hills	19.9	30.8	28.2	31.7	23.3	19.9	15.6	15.0	28.2	36.2	28.2	29.7	40.7	33.3	27.0
34 Combine Hills 2	12.1	18.7	17.1	19.2	14.1	12.1	9.44	9.07	17.1	21.9	17.1	18.0	24.7	20.2	16.4
35 Combine Hills I	7.86	12.2	11.1	12.5	9.18	7.86	6.14	5.91	11.1	14.3	11.1	11.7	16.1	13.1	10.6
36 Condon	5.92	11.5	9.57	10.9	9.77	13.8	7.23	7.13	13.0	10.7	8.60	8.68	10.3	6.85	9.65
37 Condon 1	2.92	5.68	4.73	5.36	4.82	6.81	3.57	3.52	6.40	5.27	4.25	4.29	5.08	3.39	4.77
38 Condon 2	2.99	5.81	4.84	5.49	4.94	6.98	3.66	3.61	6.56	5.40	4.35	4.39	5.20	3.47	4.88
39 DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
40 Desert Meadow Windfarm	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
41 Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
42 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
44 Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10	1.26
45 Echo Wind Farm	12.4	19.1	17.5	19.7	14.4	12.4	9.67	9.30	17.5	22.4	17.5	18.4	25.3	20.7	16.8
46 Echo Wind 1	8.54	13.2	12.1	13.6	9.97	8.54	6.68	6.42	12.1	15.5	12.1	12.7	17.4	14.3	11.6
47 Echo Wind 2	3.83	5.93	5.43	6.10	4.48	3.83	3.00	2.88	5.41	6.95	5.43	5.71	7.83	6.40	5.19
48 Edaleen Cow Power	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
49 Elkhorn Valley Wind Project	19.3	29.8	27.3	30.7	22.5	19.3	15.1	14.5	27.2	35.0	27.3	28.8	39.4	32.2	26.1
50 Farm Power Lynden	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
51 Farm Power Misty Meadow	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
52 Farm Power Rexville	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
53 Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
54 Fighting Creek Landfill	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
55 Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
56 Flathead County Landfill	1.50	1.50	1.50	1.31	1.35	1.34	1.34	1.35	1.29	1.24	1.24	1.41	1.48	1.50	1.38
57 Foote Creek 1	7.93	12.3	11.2	12.6	9.27	7.94	6.20	5.96	11.2	14.4	11.2	11.8	16.2	13.2	10.7



**Table A-11: Regional: Renewable Resources**

**Operating Year 2017**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Foote Creek 2	0.35	0.53	0.49	0.55	0.40	0.35	0.27	0.26	0.49	0.63	0.49	0.51	0.71	0.58	0.47
59 Foote Creek 4	3.22	4.98	4.56	5.13	3.76	3.22	2.52	2.42	4.55	5.84	4.56	4.80	6.58	5.38	4.36
60 Forest Glen Oaks Dairy	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
61 Fossil Gulch Wind Project	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
62 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Golden Valley Wind	2.30	3.56	3.26	3.66	2.69	2.30	1.80	1.73	3.25	4.17	3.26	3.43	4.70	3.84	3.11
64 Goodnoe Hills	18.0	27.9	25.5	28.7	21.0	18.0	14.1	13.5	25.4	32.7	25.5	26.9	36.8	30.1	24.4
65 Goshen North (Ridgeline)	23.9	36.9	33.8	38.0	27.9	23.9	18.7	17.9	33.7	43.3	33.8	35.6	48.7	39.8	32.3
66 Grand View Solar	32.8	32.8	26.2	19.2	10.6	7.17	7.47	15.4	21.4	27.1	27.1	30.7	34.4	33.9	22.2
67 Grand View Solar 1	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
68 Grand View Solar 2	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
69 Grand View Solar 3	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
70 Grand View Solar 4	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
71 Grayland	1.15	1.78	1.63	1.83	1.34	1.15	0.90	0.86	1.62	2.09	1.63	1.71	2.35	1.92	1.56
72 H.W. Hill Landfill Gas (Roosevelt)	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
73 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 HW Hill Landfill Gas 2	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
75 Hammett Hill	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
76 Harvest	19.0	29.3	26.8	30.2	22.1	19.0	14.8	14.2	26.8	34.4	26.8	28.3	38.7	31.6	25.7
77 Hay Canyon Wind	19.3	29.9	27.4	30.8	22.6	19.3	15.1	14.5	27.3	35.1	27.4	28.8	39.5	32.3	26.2
78 Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
80 High Mesa Wind	7.65	11.8	10.8	12.2	8.93	7.65	5.98	5.75	10.8	13.9	10.8	11.4	15.6	12.8	10.4
81 Hopkins Ridge	30.0	46.4	42.5	47.8	35.1	30.0	23.5	22.6	42.4	54.5	42.5	44.7	61.3	50.1	40.7
82 Hopkins Ridge 2	1.38	2.13	1.95	2.20	1.61	1.38	1.08	1.04	1.95	2.50	1.95	2.06	2.82	2.30	1.87
83 Hopkins Ridge 1	28.6	44.3	40.6	45.6	33.4	28.6	22.4	21.5	40.4	51.9	40.6	42.7	58.5	47.8	38.8
84 Horse Butte Wind	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	15.0
85 Horseshoe Bend Wind Project	1.73	2.67	2.44	2.75	2.02	1.73	1.35	1.30	2.44	3.13	2.44	2.57	3.52	2.88	2.34
86 Hot Springs Wind	3.79	5.87	5.37	6.04	4.43	3.80	2.97	2.85	5.36	6.89	5.38	5.66	7.75	6.34	5.14
87 Industrial Finishes	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
88 JC-Biomethane	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
89 Josef Stauffer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Juniper Canyon	29.0	44.8	41.0	46.1	33.8	29.0	22.7	21.8	40.9	52.6	41.0	43.2	59.2	48.4	39.2
91 Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	27.8	46.3	46.3	44.7
92 King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
93 Kittitas Valley Wind	19.3	29.9	27.4	30.8	22.6	19.3	15.1	14.5	27.3	35.1	27.4	28.8	39.5	32.3	26.2
94 Klondike 1	7.55	10.5	9.35	6.35	4.54	4.14	3.30	3.27	6.06	7.95	6.74	8.19	10.4	9.47	6.81
95 Klondike 2	23.6	32.7	29.2	19.8	14.2	12.9	10.3	10.2	18.9	24.8	21.1	25.6	32.5	29.6	21.3
96 Klondike 3	70.4	97.7	87.2	59.2	42.4	38.6	30.8	30.4	56.5	74.2	62.9	76.4	97.1	88.3	63.5
97 Klondike 3a	24.1	33.4	29.8	20.2	14.5	13.2	10.5	10.4	19.3	25.3	21.5	26.1	33.2	30.2	21.7
98 Knudson Wind	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
99 Lakeview Solar	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
100 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 Lakeview Solar 500	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
102 Leaning Juniper	57.8	89.4	81.9	92.1	67.6	57.9	45.2	43.5	81.7	105	81.9	86.2	118	96.6	78.3
103 Leaning Juniper 1	19.3	29.8	27.3	30.7	22.5	19.3	15.1	14.5	27.2	34.9	27.3	28.7	39.3	32.2	26.1
104 Leaning Juniper 2a	17.3	26.8	24.5	27.6	20.2	17.3	13.5	13.0	24.4	31.4	24.5	25.8	35.4	28.9	23.4
105 Leaning Juniper 2b	21.3	32.9	30.1	33.9	24.8	21.3	16.6	16.0	30.0	38.6	30.1	31.7	43.5	35.5	28.8
106 Lewandowski Farms	0.11	0.10	0.08	0.08	0.08	0.06	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
107 Lime Wind	0.58	0.89	0.81	0.92	0.67	0.58	0.45	0.43	0.81	1.04	0.81	0.86	1.18	0.96	0.78
108 Linden Ranch	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
109 Livingston	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
110 Lower Snake Wind	119	189	176	178	140	121	88.9	90.2	158	215	164	178	239	196	159
111 Lower Snake Wind 1	65.7	102	93.0	105	76.7	65.7	51.4	49.4	92.8	119	93.0	97.9	134	110	89.0
112 Tucannon River Wind	53.7	87.1	83.0	73.0	63.3	55.1	37.5	40.8	65.4	95.9	71.5	79.8	105	86.1	70.4
113 LRI/Graham Landfill - BioFuels	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28
114 Mainline Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
115 Marengo Wind	40.4	62.4	57.2	64.3	47.1	40.4	31.6	30.3	57.0	73.2	57.2	60.2	82.5	67.4	54.7
116 Marengo Wind 1	26.9	41.6	38.1	42.8	31.4	26.9	21.0	20.2	38.0	48.8	38.1	40.1	55.0	44.9	36.4

**Table A-11: Regional: Renewable Resources**

**Operating Year 2017**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
117 Marengo Wind 2	13.5	20.8	19.1	21.4	15.7	13.5	10.5	10.1	19.0	24.4	19.1	20.1	27.5	22.5	18.2
118 Meadow Creek Wind	22.9	35.5	32.5	36.5	26.8	22.9	17.9	17.2	32.4	41.6	32.5	34.2	46.9	38.3	31.1
119 Five Pine Wind	7.65	11.8	10.8	12.2	8.93	7.65	5.98	5.75	10.8	13.9	10.8	11.4	15.6	12.8	10.4
120 North Point Wind	15.3	23.7	21.7	24.3	17.9	15.3	12.0	11.5	21.6	27.7	21.7	22.8	31.2	25.5	20.7
121 Milner Dam Wind Farm	3.74	5.78	5.29	5.95	4.37	3.74	2.92	2.81	5.28	6.78	5.29	5.57	7.63	6.24	5.06
122 Murphy Flat Solar Power	0	0	0	0	0	1.75	2.05	3.57	5.12	6.58	6.58	7.25	8.05	8.37	3.56
123 Neal Hot Springs	22.0	22.0	22.0	22.0	22.0	22.0	10.5	22.0	22.0	22.0	22.0	22.0	22.0	21.3	21.0
124 Nine Canyon Wind	18.6	34.7	26.0	30.7	22.3	24.4	24.6	19.6	33.9	30.3	21.9	26.8	36.0	15.0	26.1
125 Nine Canyon Wind 1	9.32	17.4	13.1	15.4	11.2	12.2	12.3	9.81	17.0	15.2	11.0	13.4	18.1	7.53	13.1
126 Nine Canyon Wind 2	3.01	5.62	4.21	4.98	3.61	3.95	3.98	3.17	5.50	4.91	3.54	4.34	5.83	2.43	4.22
127 Nine Canyon Wind 3	6.24	11.7	8.74	10.3	7.48	8.19	8.25	6.57	11.4	10.2	7.35	9.00	12.1	5.04	8.75
128 Orchard Ranch Solar	0	0	0	0	0	1.71	2.25	4.04	4.96	6.50	6.50	7.21	8.33	8.29	3.60
129 Oregon Trail Wind	2.59	4.00	3.66	4.12	3.02	2.59	2.02	1.94	3.65	4.69	3.67	3.86	5.29	4.32	3.50
130 Outback Solar	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
131 Paisley Geothermal	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
132 Palouse Wind	20.0	30.9	28.3	31.9	23.4	20.0	15.6	15.0	28.3	36.3	28.3	29.8	40.9	33.4	27.1
133 PaTu Wind	1.73	2.67	2.44	2.75	2.02	1.73	1.35	1.30	2.44	3.13	2.44	2.57	3.52	2.88	2.34
134 Paynes Ferry Wind Park	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
135 Pebble Springs Wind	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
136 Pepsi-Cola Solar	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
137 Pepsi-Cola Eugene Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Pepsi-Cola Klamath Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Pilgrim Stage Station Wind Park	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
141 Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
142 Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
143 Power County Wind	8.62	13.3	12.2	13.7	10.1	8.63	6.74	6.48	12.2	15.6	12.2	12.9	17.6	14.4	11.7
144 Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
145 Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
146 Raft River Geothermal	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30	8.64
147 Raft River Geothermal 1	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30	8.64
148 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Rainier Biogas	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
151 Rattlesnake Road Wind Farm	19.7	30.5	27.9	31.4	23.0	19.7	15.4	14.8	27.9	35.8	27.9	29.4	40.3	32.9	26.7
152 River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
153 Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154 Rock River Wind	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
155 Rockland wind	15.2	23.5	21.5	24.2	17.7	15.2	11.9	11.4	21.4	27.5	21.5	22.6	31.0	25.3	20.6
156 Ryegrass Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
157 Salmon Falls	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
158 Sawtooth	4.29	6.64	6.08	6.83	5.01	4.29	3.36	3.23	6.06	7.79	6.08	6.40	8.77	7.17	5.81
159 Shepherds Flat	162	250	229	258	189	162	127	122	229	294	229	241	331	270	219
160 Shepherds Flat - Central	55.6	85.9	78.7	88.5	64.9	55.6	43.5	41.8	78.5	101	78.7	82.8	114	92.8	75.3
161 Shepherds Flat - North	50.8	78.5	71.9	80.9	59.3	50.8	39.7	38.2	71.7	92.1	71.9	75.7	104	84.8	68.8
162 Shepherds Flat - South	55.6	85.9	78.7	88.5	64.9	55.6	43.5	41.8	78.5	101	78.7	82.8	114	92.8	75.3
163 Short Mountain	2.30	2.30	2.40	2.60	2.80	3.00	3.10	3.00	3.00	3.10	3.10	3.00	2.20	2.30	2.73
164 Simco Solar	0	0	0	0	0	1.73	2.27	4.09	4.97	6.10	6.10	7.24	8.34	8.30	3.58
165 Star Point Wind	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
166 Stateline	52.7	114	74.2	75.5	48.3	58.4	39.9	25.4	96.8	89.2	61.8	80.0	118	48.4	68.9
167 Stateline-OR	21.3	45.9	29.9	30.4	19.5	23.5	16.1	10.2	39.0	36.0	24.9	32.3	47.5	19.5	27.8
168 Stateline-WA	31.5	68.0	44.3	45.1	28.8	34.8	23.8	15.1	57.8	53.2	36.9	47.8	70.3	28.9	41.2
169 Stoltze Biomass	2.80	2.80	2.80	2.70	2.20	2.20	2.20	2.20	2.20	2.30	2.30	2.80	2.80	2.80	2.50
170 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Swauk Wind	0.81	1.26	1.15	1.30	0.95	0.82	0.64	0.61	1.15	1.48	1.15	1.21	1.66	1.36	1.10
172 Thousand Springs Wind Park	2.30	3.56	3.26	3.66	2.69	2.30	1.80	1.73	3.25	4.17	3.26	3.43	4.70	3.84	3.11
173 Threemile Canyon Wind	1.90	2.93	2.69	3.02	2.22	1.90	1.48	1.43	2.68	3.44	2.69	2.83	3.88	3.17	2.57
174 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Table A-11: Regional: Renewable Resources**

**Operating Year 2017**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
175 Tuana Gulch Wind	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
176 Tuana Springs Wind	3.22	4.98	4.56	5.13	3.76	3.22	2.52	2.42	4.55	5.84	4.56	4.80	6.58	5.38	4.36
177 Two Ponds Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
178 Van Dyk's Holsteins	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
179 Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
180 Vansycle	24.5	41.5	35.9	39.9	29.5	28.5	21.6	19.2	37.4	43.4	33.1	35.5	49.1	38.4	33.9
181 Vansycle 1	5.54	12.2	9.10	9.73	7.36	9.51	6.78	4.92	10.7	9.04	6.27	7.22	10.4	6.72	8.27
182 Vansycle 2	19.0	29.3	26.8	30.2	22.1	19.0	14.8	14.2	26.8	34.4	26.8	28.3	38.7	31.6	25.7
183 Vantage Wind	17.2	26.7	24.4	27.5	20.1	17.3	13.5	13.0	24.4	31.3	24.4	25.7	35.2	28.8	23.4
184 Wheat Field	18.5	28.6	26.2	29.5	21.6	18.5	14.5	13.9	26.1	33.6	26.2	27.6	37.8	30.9	25.1
185 White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
186 White Creek	38.6	59.8	54.7	61.5	45.1	38.7	30.2	29.0	54.6	70.1	54.7	57.6	78.9	64.5	52.3
187 Wild Horse	52.3	80.9	74.1	83.3	61.1	52.4	40.9	39.4	73.9	94.9	74.1	78.0	107	87.3	70.9
188 Wild Horse Solar 1	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
189 Wild Horse Wind 1	43.8	67.8	62.0	69.7	51.2	43.8	34.3	32.9	61.9	79.5	62.1	65.3	89.5	73.2	59.3
190 Wild Horse Wind 2	8.43	13.0	11.9	13.4	9.85	8.44	6.59	6.34	11.9	15.3	11.9	12.6	17.2	14.1	11.4
191 Willow Creek	13.8	21.3	19.5	22.0	16.1	13.8	10.8	10.4	19.5	25.0	19.5	20.6	28.2	23.0	18.7
192 Windy Point Wind	76.4	118	108	122	89.3	76.5	59.8	57.4	108	139	108	114	156	128	104
193 Windy Point 1	26.2	40.5	37.1	41.7	30.6	26.2	20.5	19.7	37.0	47.5	37.1	39.0	53.5	43.7	35.5
194 Windy Point 2	38.8	60.0	54.9	61.8	45.3	38.8	30.3	29.1	54.8	70.4	54.9	57.8	79.2	64.8	52.5
195 Windy Point 2 - Phase 2	11.5	17.7	16.2	18.2	13.4	11.5	8.96	8.61	16.2	20.8	16.2	17.1	23.4	19.1	15.5
196 Wolverine Creek	12.4	19.1	17.5	19.7	14.4	12.4	9.67	9.29	17.5	22.4	17.5	18.4	25.3	20.6	16.7
197 Yahoo Creek Wind	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
198 Yamhill Solar	0.30	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.23

**Total Renewable Resources**

199 Cooperative	20.4	26.2	24.9	26.5	21.5	19.3	17.4	17.1	24.2	28.4	24.2	25.6	31.6	27.5	23.8
200 Federal Entities	51.2	87.5	69.4	62.9	45.5	50.3	34.2	29.4	69.4	73.1	56.7	67.2	90.3	60.9	59.7
201 Investor Owned Utilities	1071	1561	1433	1510	1142	1007	802	810	1390	1760	1416	1493	1993	1678	1350
202 Marketer	112	177	159	177	129	113	87.4	82.5	161	202	157	167	230	182	151
203 Municipality	255	405	354	387	284	255	199	185	363	442	344	371	507	390	336
204 Other	8.62	13.3	12.2	13.7	10.1	8.63	6.74	6.48	12.2	15.6	12.2	12.9	17.6	14.4	11.7
205 Public Utility District	136	203	182	204	156	142	122	114	190	225	179	191	251	195	177
<b>206 Total</b>	<b>1654</b>	<b>2473</b>	<b>2234</b>	<b>2381</b>	<b>1787</b>	<b>1596</b>	<b>1269</b>	<b>1244</b>	<b>2210</b>	<b>2746</b>	<b>2189</b>	<b>2327</b>	<b>3120</b>	<b>2548</b>	<b>2109</b>

**Table A-11: Regional: Renewable Resources**  
**Operating Year 2018**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg	
<b>Renewable Resources</b>																
1 3 Bar G Wind	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	
2 American Falls Solar	14.2	14.2	12.8	8.59	4.98	2.74	3.31	5.43	10.3	11.9	11.9	14.5	16.0	16.7	10.2	
3 American Falls Solar 1	7.10	7.10	6.41	4.30	2.49	1.37	1.65	2.72	5.15	5.95	5.95	7.27	8.02	8.36	5.08	
4 American Falls Solar 2	7.10	7.10	6.41	4.30	2.49	1.37	1.65	2.72	5.15	5.95	5.95	7.27	8.02	8.36	5.08	
5 Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
6 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9 Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0	
10 Bellevue Solar (Amity, OR)	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15	
11 Bennett Creek Wind	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45	
12 Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41	0.69	
13 Big Horn Wind	47.8	73.9	67.7	76.1	55.8	47.8	37.4	35.9	67.5	86.8	67.7	71.3	97.7	79.8	64.8	
14 Big Horn 1	38.2	59.1	54.1	60.9	44.7	38.2	29.9	28.7	54.0	69.4	54.2	57.0	78.1	63.8	51.8	
15 Big Horn 2	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0	
16 Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03	1.06	
17 Biglow Canyon Wind	86.2	133	122	137	101	86.2	67.4	64.8	122	156	122	128	176	144	117	
18 Biglow Canyon 1	24.0	37.2	34.0	38.3	28.1	24.0	18.8	18.1	33.9	43.6	34.0	35.8	49.1	40.1	32.6	
19 Biglow Canyon 2	28.6	44.3	40.6	45.6	33.5	28.7	22.4	21.5	40.5	52.0	40.6	42.7	58.5	47.8	38.8	
20 Biglow Canyon 3	33.5	51.8	47.4	53.3	39.1	33.5	26.2	25.2	47.3	60.8	47.5	49.9	68.4	55.9	45.4	
21 Black Cap Solar Project	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	
22 Boise City Solar	16.2	16.2	13.7	11.6	7.07	6.09	6.19	9.07	11.1	12.9	12.9	15.1	16.0	17.4	11.9	
23 Burley Butte Wind	3.74	5.78	5.29	5.95	4.37	3.74	2.92	2.81	5.28	6.78	5.29	5.57	7.63	6.24	5.06	
24 Camp Reed	4.31	6.67	6.11	6.87	5.04	4.31	3.37	3.24	6.09	7.82	6.11	6.43	8.81	7.20	5.84	
25 Cassia Farms Wind	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73	
26 Cassia Gulch Wind	3.62	5.60	5.13	5.77	4.23	3.62	2.83	2.72	5.12	6.57	5.13	5.40	7.40	6.05	4.91	
27 Cedar Hills Landfill	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	
28 Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36	
29 Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38	
30 Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98	
31 Cold Springs	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97	
32 Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	
33 Combine Hills	19.9	30.8	28.2	31.7	23.3	19.9	15.6	15.0	28.2	36.2	28.2	29.7	40.7	33.3	27.0	
34 Combine Hills 2	12.1	18.7	17.1	19.2	14.1	12.1	9.44	9.07	17.1	21.9	17.1	18.0	24.7	20.2	16.4	
35 Combine Hills 1	7.86	12.2	11.1	12.5	9.18	7.86	6.14	5.91	11.1	14.3	11.1	11.7	16.1	13.1	10.6	
36 Condon	5.92	11.5	9.57	10.9	9.77	13.8	7.23	7.13	13.0	10.7	8.60	8.68	10.3	6.85	9.65	
37 Condon 1	2.92	5.68	4.73	5.36	4.82	6.81	3.57	3.52	6.40	5.27	4.25	4.29	5.08	3.39	4.77	
38 Condon 2	2.99	5.81	4.84	5.49	4.94	6.98	3.66	3.61	6.56	5.40	4.35	4.39	5.20	3.47	4.88	
39 DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	
40 Desert Meadow Windfarm	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97	
41 Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
42 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
43 Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	
44 Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10	1.26	
45 Echo Wind Farm	12.4	19.1	17.5	19.7	14.4	12.4	9.67	9.30	17.5	22.4	17.5	18.4	25.3	20.7	16.8	
46 Echo Wind 1	8.54	13.2	12.1	13.6	9.97	8.54	6.68	6.42	12.1	15.5	12.1	12.7	17.4	14.3	11.6	
47 Echo Wind 2	3.83	5.93	5.43	6.10	4.48	3.83	3.00	2.88	5.41	6.95	5.43	5.71	7.83	6.40	5.19	
48 Edaleen Cow Power	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	
49 Elkhorn Valley Wind Project	19.3	29.8	27.3	30.7	22.5	19.3	15.1	14.5	27.2	35.0	27.3	28.8	39.4	32.2	26.1	
50 Farm Power Lynden	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	
51 Farm Power Misty Meadow	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	
52 Farm Power Rexville	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	
53 Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
54 Fighting Creek Landfill	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	
55 Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	
56 Flathead County Landfill	1.48	1.48	1.48	1.35	1.34	1.34	1.34	1.35	1.34	1.41	1.41	1.43	1.48	1.50	1.40	
57 Foote Creek 1	7.93	12.3	11.2	12.6	9.27	7.94	6.20	5.96	11.2	14.4	11.2	11.8	16.2	13.2	10.7	

**Table A-11: Regional: Renewable Resources**

**Operating Year 2018**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Foote Creek 2	0.35	0.53	0.49	0.55	0.40	0.35	0.27	0.26	0.49	0.63	0.49	0.51	0.71	0.58	0.47
59 Foote Creek 4	3.22	4.98	4.56	5.13	3.76	3.22	2.52	2.42	4.55	5.84	4.56	4.80	6.58	5.38	4.36
60 Forest Glen Oaks Dairy	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
61 Fossil Gulch Wind Project	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
62 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Golden Valley Wind	2.30	3.56	3.26	3.66	2.69	2.30	1.80	1.73	3.25	4.17	3.26	3.43	4.70	3.84	3.11
64 Goodnoe Hills	18.0	27.9	25.5	28.7	21.0	18.0	14.1	13.5	25.4	32.7	25.5	26.9	36.8	30.1	24.4
65 Goshen North (Ridgeline)	23.9	36.9	33.8	38.0	27.9	23.9	18.7	17.9	33.7	43.3	33.8	35.6	48.7	39.8	32.3
66 Grand View Solar	32.8	32.8	26.2	19.2	10.6	7.17	7.47	15.4	21.4	27.1	27.1	30.7	34.4	33.9	22.2
67 Grand View Solar 1	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
68 Grand View Solar 2	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
69 Grand View Solar 3	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
70 Grand View Solar 4	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
71 Grayland	1.15	1.78	1.63	1.83	1.34	1.15	0.90	0.86	1.62	2.09	1.63	1.71	2.35	1.92	1.56
72 H.W. Hill Landfill Gas (Roosevelt)	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
73 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 HW Hill Landfill Gas 2	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
75 Hammett Hill	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
76 Harvest	19.0	29.3	26.8	30.2	22.1	19.0	14.8	14.2	26.8	34.4	26.8	28.3	38.7	31.6	25.7
77 Hay Canyon Wind	19.3	29.9	27.4	30.8	22.6	19.3	15.1	14.5	27.3	35.1	27.4	28.8	39.5	32.3	26.2
78 Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
80 High Mesa Wind	7.65	11.8	10.8	12.2	8.93	7.65	5.98	5.75	10.8	13.9	10.8	11.4	15.6	12.8	10.4
81 Hopkins Ridge	30.0	46.4	42.5	47.8	35.1	30.0	23.5	22.6	42.4	54.5	42.5	44.7	61.3	50.1	40.7
82 Hopkins Ridge 2	1.38	2.13	1.95	2.20	1.61	1.38	1.08	1.04	1.95	2.50	1.95	2.06	2.82	2.30	1.87
83 Hopkins Ridge I	28.6	44.3	40.6	45.6	33.4	28.6	22.4	21.5	40.4	51.9	40.6	42.7	58.5	47.8	38.8
84 Horse Butte Wind	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	15.0
85 Horseshoe Bend Wind Project	1.73	2.67	2.44	2.75	2.02	1.73	1.35	1.30	2.44	3.13	2.44	2.57	3.52	2.88	2.34
86 Hot Springs Wind	3.79	5.87	5.37	6.04	4.43	3.80	2.97	2.85	5.36	6.89	5.38	5.66	7.75	6.34	5.14
87 Industrial Finishes	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
88 JC-Biomethane	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
89 Josef Stauffer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Juniper Canyon	29.0	44.8	41.0	46.1	33.8	29.0	22.7	21.8	40.9	52.6	41.0	43.2	59.2	48.4	39.2
91 Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	37.0	11.6	46.3	42.6
92 King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
93 Kittitas Valley Wind	19.3	29.9	27.4	30.8	22.6	19.3	15.1	14.5	27.3	35.1	27.4	28.8	39.5	32.3	26.2
94 Klondike 1	7.55	10.5	9.35	6.35	4.54	4.14	3.30	3.27	6.06	7.95	6.74	8.19	10.4	9.47	6.81
95 Klondike 2	23.6	32.7	29.2	19.8	14.2	12.9	10.3	10.2	18.9	24.8	21.1	25.6	32.5	29.6	21.3
96 Klondike 3	70.4	97.7	87.2	59.2	42.4	38.6	30.8	30.4	56.5	74.2	62.9	76.4	97.1	88.3	63.5
97 Klondike 3a	24.1	33.4	29.8	20.2	14.5	13.2	10.5	10.4	19.3	25.3	21.5	26.1	33.2	30.2	21.7
98 Knudson Wind	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
99 Lakeview Solar	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
100 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 Lakeview Solar 500	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
102 Leaning Juniper	57.8	89.4	81.9	92.1	67.6	57.9	45.2	43.5	81.7	105	81.9	86.2	118	96.6	78.3
103 Leaning Juniper 1	19.3	29.8	27.3	30.7	22.5	19.3	15.1	14.5	27.2	34.9	27.3	28.7	39.3	32.2	26.1
104 Leaning Juniper 2a	17.3	26.8	24.5	27.6	20.2	17.3	13.5	13.0	24.4	31.4	24.5	25.8	35.4	28.9	23.4
105 Leaning Juniper 2b	21.3	32.9	30.1	33.9	24.8	21.3	16.6	16.0	30.0	38.6	30.1	31.7	43.5	35.5	28.8
106 Lewandowski Farms	0.11	0.10	0.08	0.08	0.08	0.07	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
107 Lime Wind	0.58	0.89	0.81	0.92	0.67	0.58	0.45	0.43	0.81	1.04	0.81	0.86	1.18	0.96	0.78
108 Linden Ranch	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
109 Livingston	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
110 Lower Snake Wind	119	189	176	178	140	121	88.9	90.2	158	215	164	178	239	196	159
111 Lower Snake Wind 1	65.7	102	93.0	105	76.7	65.7	51.4	49.4	92.8	119	93.0	97.9	134	110	89.0
112 Tucannon River Wind	53.7	87.1	83.0	73.0	63.3	55.1	37.5	40.8	65.4	95.9	71.5	79.8	105	86.1	70.4
113 LRI/Graham Landfill - BioFuels	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28
114 Mainline Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
115 Marengo Wind	40.4	62.4	57.2	64.3	47.1	40.4	31.6	30.3	57.0	73.2	57.2	60.2	82.5	67.4	54.7
116 Marengo Wind 1	26.9	41.6	38.1	42.8	31.4	26.9	21.0	20.2	38.0	48.8	38.1	40.1	55.0	44.9	36.4

**Table A-11: Regional: Renewable Resources**

**Operating Year 2018**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
117 Marengo Wind 2	13.5	20.8	19.1	21.4	15.7	13.5	10.5	10.1	19.0	24.4	19.1	20.1	27.5	22.5	18.2
118 Meadow Creek Wind	22.9	35.5	32.5	36.5	26.8	22.9	17.9	17.2	32.4	41.6	32.5	34.2	46.9	38.3	31.1
119 Five Pine Wind	7.65	11.8	10.8	12.2	8.93	7.65	5.98	5.75	10.8	13.9	10.8	11.4	15.6	12.8	10.4
120 North Point Wind	15.3	23.7	21.7	24.3	17.9	15.3	12.0	11.5	21.6	27.7	21.7	22.8	31.2	25.5	20.7
121 Milner Dam Wind Farm	3.74	5.78	5.29	5.95	4.37	3.74	2.92	2.81	5.28	6.78	5.29	5.57	7.63	6.24	5.06
122 Murphy Flat Solar Power	7.70	7.70	6.43	4.50	2.40	1.75	2.05	3.57	5.12	6.58	6.58	7.25	8.05	8.37	5.32
123 Neal Hot Springs	22.0	22.0	22.0	22.0	22.0	22.0	10.5	22.0	22.0	22.0	22.0	22.0	22.0	21.3	21.0
124 Nine Canyon Wind	18.6	34.7	26.0	30.7	22.3	24.4	24.6	19.6	33.9	30.3	21.9	26.8	36.0	15.0	26.1
125 Nine Canyon Wind 1	9.32	17.4	13.1	15.4	11.2	12.2	12.3	9.81	17.0	15.2	11.0	13.4	18.1	7.53	13.1
126 Nine Canyon Wind 2	3.01	5.62	4.21	4.98	3.61	3.95	3.98	3.17	5.50	4.91	3.54	4.34	5.83	2.43	4.22
127 Nine Canyon Wind 3	6.24	11.7	8.74	10.3	7.48	8.19	8.25	6.57	11.4	10.2	7.35	9.00	12.1	5.04	8.75
128 Orchard Ranch Solar	7.96	7.96	6.25	4.46	2.58	1.71	2.25	4.04	4.96	6.50	6.50	7.21	8.33	8.29	5.38
129 Oregon Trail Wind	2.59	4.00	3.66	4.12	3.02	2.59	2.02	1.94	3.65	4.69	3.67	3.86	5.29	4.32	3.50
130 Outback Solar	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
131 Paisley Geothermal	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
132 Palouse Wind	20.0	30.9	28.3	31.9	23.4	20.0	15.6	15.0	28.3	36.3	28.3	29.8	40.9	33.4	27.1
133 PaTu Wind	1.73	2.67	2.44	2.75	2.02	1.73	1.35	1.30	2.44	3.13	2.44	2.57	3.52	2.88	2.34
134 Paynes Ferry Wind Park	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
135 Pebble Springs Wind	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
136 Pepsi-Cola Solar	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
137 Pepsi-Cola Eugene Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Pepsi-Cola Klamath Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Pilgrim Stage Station Wind Park	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
141 Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
142 Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
143 Power County Wind	8.62	13.3	12.2	13.7	10.1	8.63	6.74	6.48	12.2	15.6	12.2	12.9	17.6	14.4	11.7
144 Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
145 Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
146 Raft River Geothermal	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30	8.64
147 Raft River Geothermal 1	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30	8.64
148 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Rainier Biogas	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
151 Rattlesnake Road Wind Farm	19.7	30.5	27.9	31.4	23.0	19.7	15.4	14.8	27.9	35.8	27.9	29.4	40.3	32.9	26.7
152 River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
153 Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154 Rock River Wind	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
155 Rockland wind	15.2	23.5	21.5	24.2	17.7	15.2	11.9	11.4	21.4	27.5	21.5	22.6	31.0	25.3	20.6
156 Ryegrass Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
157 Salmon Falls	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
158 Sawtooth	4.29	6.64	6.08	6.83	5.01	4.29	3.36	3.23	6.06	7.79	6.08	6.40	8.77	7.17	5.81
159 Shepherds Flat	162	250	229	258	189	162	127	122	229	294	229	241	331	270	219
160 Shepherds Flat - Central	55.6	85.9	78.7	88.5	64.9	55.6	43.5	41.8	78.5	101	78.7	82.8	114	92.8	75.3
161 Shepherds Flat - North	50.8	78.5	71.9	80.9	59.3	50.8	39.7	38.2	71.7	92.1	71.9	75.7	104	84.8	68.8
162 Shepherds Flat - South	55.6	85.9	78.7	88.5	64.9	55.6	43.5	41.8	78.5	101	78.7	82.8	114	92.8	75.3
163 Short Mountain	2.30	2.30	2.40	2.60	2.80	3.00	3.10	3.00	3.00	3.10	3.10	3.00	2.20	2.30	2.73
164 Simco Solar	7.98	7.98	6.28	4.50	2.61	1.73	2.27	4.09	4.97	6.10	6.10	7.24	8.34	8.30	5.37
165 Star Point Wind	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
166 Stateline	52.7	114	74.2	75.5	48.3	58.4	39.9	25.4	96.8	89.2	61.8	80.0	118	48.4	68.9
167 Stateline-OR	21.3	45.9	29.9	30.4	19.5	23.5	16.1	10.2	39.0	36.0	24.9	32.3	47.5	19.5	27.8
168 Stateline-WA	31.5	68.0	44.3	45.1	28.8	34.8	23.8	15.1	57.8	53.2	36.9	47.8	70.3	28.9	41.2
169 Stoltze Biomass	2.80	2.80	2.80	2.70	2.20	2.20	2.20	2.20	2.20	2.00	2.00	2.40	2.80	2.80	2.44
170 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Swauk Wind	0.81	1.26	1.15	1.30	0.95	0.82	0.64	0.61	1.15	1.48	1.15	1.21	1.66	1.36	1.10
172 Thousand Springs Wind Park	2.30	3.56	3.26	3.66	2.69	2.30	1.80	1.73	3.25	4.17	3.26	3.43	4.70	3.84	3.11
173 Threemile Canyon Wind	1.90	2.93	2.69	3.02	2.22	1.90	1.48	1.43	2.68	3.44	2.69	2.83	3.88	3.17	2.57
174 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



**Table A-11: Regional: Renewable Resources**

**Operating Year 2018**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
175 Tuana Gulch Wind	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
176 Tuana Springs Wind	3.22	4.98	4.56	5.13	3.76	3.22	2.52	2.42	4.55	5.84	4.56	4.80	6.58	5.38	4.36
177 Two Ponds Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
178 Van Dyk's Holsteins	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
179 Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
180 Vansycle	24.5	41.5	35.9	39.9	29.5	28.5	21.6	19.2	37.4	43.4	33.1	35.5	49.1	38.4	33.9
181 Vansycle 1	5.54	12.2	9.10	9.73	7.36	9.51	6.78	4.92	10.7	9.04	6.27	7.22	10.4	6.72	8.27
182 Vansycle 2	19.0	29.3	26.8	30.2	22.1	19.0	14.8	14.2	26.8	34.4	26.8	28.3	38.7	31.6	25.7
183 Vantage Wind	17.2	26.7	24.4	27.5	20.1	17.3	13.5	13.0	24.4	31.3	24.4	25.7	35.2	28.8	23.4
184 Wheat Field	18.5	28.6	26.2	29.5	21.6	18.5	14.5	13.9	26.1	33.6	26.2	27.6	37.8	30.9	25.1
185 White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
186 White Creek	38.6	59.8	54.7	61.5	45.1	38.7	30.2	29.0	54.6	70.1	54.7	57.6	78.9	64.5	52.3
187 Wild Horse	52.3	80.9	74.1	83.3	61.1	52.4	40.9	39.4	73.9	94.9	74.1	78.0	107	87.3	70.9
188 Wild Horse Solar 1	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
189 Wild Horse Wind 1	43.8	67.8	62.0	69.7	51.2	43.8	34.3	32.9	61.9	79.5	62.1	65.3	89.5	73.2	59.3
190 Wild Horse Wind 2	8.43	13.0	11.9	13.4	9.85	8.44	6.59	6.34	11.9	15.3	11.9	12.6	17.2	14.1	11.4
191 Willow Creek	13.8	21.3	19.5	22.0	16.1	13.8	10.8	10.4	19.5	25.0	19.5	20.6	28.2	23.0	18.7
192 Windy Point Wind	76.4	118	108	122	89.3	76.5	59.8	57.4	108	139	108	114	156	128	104
193 Windy Point 1	26.2	40.5	37.1	41.7	30.6	26.2	20.5	19.7	37.0	47.5	37.1	39.0	53.5	43.7	35.5
194 Windy Point 2	38.8	60.0	54.9	61.8	45.3	38.8	30.3	29.1	54.8	70.4	54.9	57.8	79.2	64.8	52.5
195 Windy Point 2 - Phase 2	11.5	17.7	16.2	18.2	13.4	11.5	8.96	8.61	16.2	20.8	16.2	17.1	23.4	19.1	15.5
196 Wolverine Creek	12.4	19.1	17.5	19.7	14.4	12.4	9.67	9.29	17.5	22.4	17.5	18.4	25.3	20.6	16.7
197 Yahoo Creek Wind	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
198 Yamhill Solar	0.30	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.23

**Total Renewable Resources**

199 Cooperative	20.4	26.2	24.9	26.5	21.5	19.3	17.4	17.1	24.3	28.3	24.1	25.3	31.6	27.5	23.8
200 Federal Entities	51.2	87.5	69.4	62.9	45.5	50.3	34.2	29.4	69.4	73.1	56.7	67.2	90.3	60.9	59.7
201 Investor Owned Utilities	1109	1599	1464	1532	1154	1007	802	810	1390	1760	1416	1502	1958	1678	1356
202 Marketer	112	177	159	177	129	113	87.4	82.5	161	202	157	167	230	182	151
203 Municipality	255	405	354	387	284	255	199	185	363	442	344	371	507	390	336
204 Other	8.62	13.3	12.2	13.7	10.1	8.63	6.74	6.48	12.2	15.6	12.2	12.9	17.6	14.4	11.7
205 Public Utility District	136	203	182	204	156	142	122	114	190	225	179	191	251	195	177
<b>206 Total</b>	<b>1692</b>	<b>2511</b>	<b>2266</b>	<b>2403</b>	<b>1800</b>	<b>1596</b>	<b>1269</b>	<b>1244</b>	<b>2210</b>	<b>2746</b>	<b>2189</b>	<b>2336</b>	<b>3086</b>	<b>2548</b>	<b>2115</b>

**Table A-11: Regional: Renewable Resources**  
**Operating Year 2019**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Renewable Resources</b>															
1 3 Bar G Wind	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
2 American Falls Solar	14.2	14.2	12.8	8.59	4.98	2.74	3.31	5.43	10.3	11.9	11.9	14.5	16.0	16.7	10.2
3 American Falls Solar 1	7.10	7.10	6.41	4.30	2.49	1.37	1.65	2.72	5.15	5.95	5.95	7.27	8.02	8.36	5.08
4 American Falls Solar 2	7.10	7.10	6.41	4.30	2.49	1.37	1.65	2.72	5.15	5.95	5.95	7.27	8.02	8.36	5.08
5 Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
6 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0
10 Bellevue Solar (Amity, OR)	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
11 Bennett Creek Wind	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
12 Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41	0.69
13 Big Horn Wind	47.8	73.9	67.7	76.1	55.8	47.8	37.4	35.9	67.5	86.8	67.7	71.3	97.7	79.8	64.8
14 Big Horn 1	38.2	59.1	54.1	60.9	44.7	38.2	29.9	28.7	54.0	69.4	54.2	57.0	78.1	63.8	51.8
15 Big Horn 2	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
16 Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03	1.06
17 Biglow Canyon Wind	86.2	133	122	137	101	86.2	67.4	64.8	122	156	122	128	176	144	117
18 Biglow Canyon 1	24.0	37.2	34.0	38.3	28.1	24.0	18.8	18.1	33.9	43.6	34.0	35.8	49.1	40.1	32.6
19 Biglow Canyon 2	28.6	44.3	40.6	45.6	33.5	28.7	22.4	21.5	40.5	52.0	40.6	42.7	58.5	47.8	38.8
20 Biglow Canyon 3	33.5	51.8	47.4	53.3	39.1	33.5	26.2	25.2	47.3	60.8	47.5	49.9	68.4	55.9	45.4
21 Black Cap Solar Project	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
22 Boise City Solar	16.2	16.2	13.7	11.6	7.07	6.09	6.19	9.07	11.1	12.9	12.9	15.1	16.0	17.4	11.9
23 Burley Butte Wind	3.74	5.78	5.29	5.95	4.37	3.74	2.92	2.81	5.28	6.78	5.29	5.57	7.63	6.24	5.06
24 Camp Reed	4.31	6.67	6.11	6.87	5.04	4.31	3.37	3.24	6.09	7.82	6.11	6.43	8.81	7.20	5.84
25 Cassia Farms Wind	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
26 Cassia Gulch Wind	3.62	5.60	5.13	5.77	4.23	3.62	2.83	2.72	5.12	6.57	5.13	5.40	7.40	6.05	4.91
27 Cedar Hills Landfill	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
28 Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36
29 Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38
30 Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98
31 Cold Springs	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
32 Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
33 Combine Hills	19.9	30.8	28.2	31.7	23.3	19.9	15.6	15.0	28.2	36.2	28.2	29.7	40.7	33.3	27.0
34 Combine Hills 2	12.1	18.7	17.1	19.2	14.1	12.1	9.44	9.07	17.1	21.9	17.1	18.0	24.7	20.2	16.4
35 Combine Hills 1	7.86	12.2	11.1	12.5	9.18	7.86	6.14	5.91	11.1	14.3	11.1	11.7	16.1	13.1	10.6
36 Condon	5.92	11.5	9.57	10.9	9.77	13.8	7.23	7.13	13.0	10.7	8.60	8.68	10.3	6.85	9.65
37 Condon 1	2.92	5.68	4.73	5.36	4.82	6.81	3.57	3.52	6.40	5.27	4.25	4.29	5.08	3.39	4.77
38 Condon 2	2.99	5.81	4.84	5.49	4.94	6.98	3.66	3.61	6.56	5.40	4.35	4.39	5.20	3.47	4.88
39 DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
40 Desert Meadow Windfarm	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
41 Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
42 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
44 Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10	1.26
45 Echo Wind Farm	12.4	19.1	17.5	19.7	14.4	12.4	9.67	9.30	17.5	22.4	17.5	18.4	25.3	20.7	16.8
46 Echo Wind 1	8.54	13.2	12.1	13.6	9.97	8.54	6.68	6.42	12.1	15.5	12.1	12.7	17.4	14.3	11.6
47 Echo Wind 2	3.83	5.93	5.43	6.10	4.48	3.83	3.00	2.88	5.41	6.95	5.43	5.71	7.83	6.40	5.19
48 Edaleen Cow Power	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
49 Elkhorn Valley Wind Project	19.3	29.8	27.3	30.7	22.5	19.3	15.1	14.5	27.2	35.0	27.3	28.8	39.4	32.2	26.1
50 Farm Power Lynden	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
51 Farm Power Misty Meadow	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
52 Farm Power Rexville	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
53 Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
54 Fighting Creek Landfill	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
55 Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
56 Flathead County Landfill	1.48	1.48	1.43	0.87	1.34	1.35	1.34	1.33	1.35	1.41	1.41	1.41	1.50	1.48	1.36
57 Foote Creek 1	7.93	12.3	11.2	12.6	9.27	7.94	6.20	5.96	11.2	14.4	11.2	11.8	16.2	13.2	10.7



**Table A-11: Regional: Renewable Resources**

**Operating Year 2019**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Foote Creek 2	0.35	0.53	0.49	0.55	0.40	0.35	0.27	0.26	0.49	0.63	0.49	0.51	0.71	0.58	0.47
59 Foote Creek 4	3.22	4.98	4.56	5.13	3.76	3.22	2.52	2.42	4.55	5.84	4.56	4.80	6.58	5.38	4.36
60 Forest Glen Oaks Dairy	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
61 Fossil Gulch Wind Project	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
62 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Golden Valley Wind	2.30	3.56	3.26	3.66	2.69	2.30	1.80	1.73	3.25	4.17	3.26	3.43	4.70	3.84	3.11
64 Goodnoe Hills	18.0	27.9	25.5	28.7	21.0	18.0	14.1	13.5	25.4	32.7	25.5	26.9	36.8	30.1	24.4
65 Goshen North (Ridgeline)	23.9	36.9	33.8	38.0	27.9	23.9	18.7	17.9	33.7	43.3	33.8	35.6	48.7	39.8	32.3
66 Grand View Solar	32.8	32.8	26.2	19.2	10.6	7.17	7.47	15.4	21.4	27.1	27.1	30.7	34.4	33.9	22.2
67 Grand View Solar 1	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
68 Grand View Solar 2	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
69 Grand View Solar 3	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
70 Grand View Solar 4	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
71 Grayland	1.15	1.78	1.63	1.83	1.34	1.15	0.90	0.86	1.62	2.09	1.63	1.71	2.35	1.92	1.56
72 H.W. Hill Landfill Gas (Roosevelt)	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
73 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 HW Hill Landfill Gas 2	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
75 Hammett Hill	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
76 Harvest	19.0	29.3	26.8	30.2	22.1	19.0	14.8	14.2	26.8	34.4	26.8	28.3	38.7	31.6	25.7
77 Hay Canyon Wind	19.3	29.9	27.4	30.8	22.6	19.3	15.1	14.5	27.3	35.1	27.4	28.8	39.5	32.3	26.2
78 Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
80 High Mesa Wind	7.65	11.8	10.8	12.2	8.93	7.65	5.98	5.75	10.8	13.9	10.8	11.4	15.6	12.8	10.4
81 Hopkins Ridge	30.0	46.4	42.5	47.8	35.1	30.0	23.5	22.6	42.4	54.5	42.5	44.7	61.3	50.1	40.7
82 Hopkins Ridge 2	1.38	2.13	1.95	2.20	1.61	1.38	1.08	1.04	1.95	2.50	1.95	2.06	2.82	2.30	1.87
83 Hopkins Ridge 1	28.6	44.3	40.6	45.6	33.4	28.6	22.4	21.5	40.4	51.9	40.6	42.7	58.5	47.8	38.8
84 Horse Butte Wind	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	15.0
85 Horseshoe Bend Wind Project	1.73	2.67	2.44	2.75	2.02	1.73	1.35	1.30	2.44	3.13	2.44	2.57	3.52	2.88	2.34
86 Hot Springs Wind	3.79	5.87	5.37	6.04	4.43	3.80	2.97	2.85	5.36	6.89	5.38	5.66	7.75	6.34	5.14
87 Industrial Finishes	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
88 JC-Biomethane	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
89 Josef Stauffer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Juniper Canyon	29.0	44.8	41.0	46.1	33.8	29.0	22.7	21.8	40.9	52.6	41.0	43.2	59.2	48.4	39.2
91 Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
92 King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
93 Kittitas Valley Wind	19.3	29.9	27.4	30.8	22.6	19.3	15.1	14.5	27.3	35.1	27.4	28.8	39.5	32.3	26.2
94 Klondike 1	7.55	10.5	9.35	6.35	4.54	4.14	3.30	3.27	6.06	7.95	6.74	8.19	10.4	9.47	6.81
95 Klondike 2	23.6	32.7	29.2	19.8	14.2	12.9	10.3	10.2	18.9	24.8	21.1	25.6	32.5	29.6	21.3
96 Klondike 3	70.4	97.7	87.2	59.2	42.4	38.6	30.8	30.4	56.5	74.2	62.9	76.4	97.1	88.3	63.5
97 Klondike 3a	24.1	33.4	29.8	20.2	14.5	13.2	10.5	10.4	19.3	25.3	21.5	26.1	33.2	30.2	21.7
98 Knudson Wind	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
99 Lakeview Solar	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
100 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 Lakeview Solar 500	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
102 Leaning Juniper	57.8	89.4	81.9	92.1	67.6	57.9	45.2	43.5	81.7	105	81.9	86.2	118	96.6	78.3
103 Leaning Juniper 1	19.3	29.8	27.3	30.7	22.5	19.3	15.1	14.5	27.2	34.9	27.3	28.7	39.3	32.2	26.1
104 Leaning Juniper 2a	17.3	26.8	24.5	27.6	20.2	17.3	13.5	13.0	24.4	31.4	24.5	25.8	35.4	28.9	23.4
105 Leaning Juniper 2b	21.3	32.9	30.1	33.9	24.8	21.3	16.6	16.0	30.0	38.6	30.1	31.7	43.5	35.5	28.8
106 Lewandowski Farms	0.11	0.10	0.08	0.08	0.08	0.07	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
107 Lime Wind	0.58	0.89	0.81	0.92	0.67	0.58	0.45	0.43	0.81	1.04	0.81	0.86	1.18	0.96	0.78
108 Linden Ranch	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
109 Livingston	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
110 Lower Snake Wind	119	189	176	178	140	121	88.9	90.2	158	215	164	178	239	196	159
111 Lower Snake Wind 1	65.7	102	93.0	105	76.7	65.7	51.4	49.4	92.8	119	93.0	97.9	134	110	89.0
112 Tucannon River Wind	53.7	87.1	83.0	73.0	63.3	55.1	37.5	40.8	65.4	95.9	71.5	79.8	105	86.1	70.4
113 LRI/Graham Landfill - BioFuels	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28
114 Mainline Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
115 Marengo Wind	40.4	62.4	57.2	64.3	47.1	40.4	31.6	30.3	57.0	73.2	57.2	60.2	82.5	67.4	54.7
116 Marengo Wind 1	26.9	41.6	38.1	42.8	31.4	26.9	21.0	20.2	38.0	48.8	38.1	40.1	55.0	44.9	36.4

**Table A-11: Regional: Renewable Resources**

**Operating Year 2019**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
117 Marengo Wind 2	13.5	20.8	19.1	21.4	15.7	13.5	10.5	10.1	19.0	24.4	19.1	20.1	27.5	22.5	18.2
118 Meadow Creek Wind	22.9	35.5	32.5	36.5	26.8	22.9	17.9	17.2	32.4	41.6	32.5	34.2	46.9	38.3	31.1
119 Five Pine Wind	7.65	11.8	10.8	12.2	8.93	7.65	5.98	5.75	10.8	13.9	10.8	11.4	15.6	12.8	10.4
120 North Point Wind	15.3	23.7	21.7	24.3	17.9	15.3	12.0	11.5	21.6	27.7	21.7	22.8	31.2	25.5	20.7
121 Milner Dam Wind Farm	3.74	5.78	5.29	5.95	4.37	3.74	2.92	2.81	5.28	6.78	5.29	5.57	7.63	6.24	5.06
122 Murphy Flat Solar Power	7.70	7.70	6.43	4.50	2.40	1.75	2.05	3.57	5.12	6.58	6.58	7.25	8.05	8.37	5.32
123 Neal Hot Springs	22.0	22.0	22.0	22.0	22.0	22.0	10.5	22.0	22.0	22.0	22.0	22.0	22.0	21.3	21.0
124 Nine Canyon Wind	18.6	34.7	26.0	30.7	22.3	24.4	24.6	19.6	33.9	30.3	21.9	26.8	36.0	15.0	26.1
125 Nine Canyon Wind 1	9.32	17.4	13.1	15.4	11.2	12.2	12.3	9.81	17.0	15.2	11.0	13.4	18.1	7.53	13.1
126 Nine Canyon Wind 2	3.01	5.62	4.21	4.98	3.61	3.95	3.98	3.17	5.50	4.91	3.54	4.34	5.83	2.43	4.22
127 Nine Canyon Wind 3	6.24	11.7	8.74	10.3	7.48	8.19	8.25	6.57	11.4	10.2	7.35	9.00	12.1	5.04	8.75
128 Orchard Ranch Solar	7.96	7.96	6.25	4.46	2.58	1.71	2.25	4.04	4.96	6.50	6.50	7.21	8.33	8.29	5.38
129 Oregon Trail Wind	2.59	4.00	3.66	4.12	3.02	2.59	2.02	1.94	3.65	4.69	3.67	3.86	5.29	4.32	3.50
130 Outback Solar	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
131 Paisley Geothermal	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
132 Palouse Wind	20.0	30.9	28.3	31.9	23.4	20.0	15.6	15.0	28.3	36.3	28.3	29.8	40.9	33.4	27.1
133 PaTu Wind	1.73	2.67	2.44	2.75	2.02	1.73	1.35	1.30	2.44	3.13	2.44	2.57	3.52	2.88	2.34
134 Paynes Ferry Wind Park	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
135 Pebble Springs Wind	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
136 Pepsi-Cola Solar	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
137 Pepsi-Cola Eugene Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Pepsi-Cola Klamath Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Pilgrim Stage Station Wind Park	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
141 Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
142 Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
143 Power County Wind	8.62	13.3	12.2	13.7	10.1	8.63	6.74	6.48	12.2	15.6	12.2	12.9	17.6	14.4	11.7
144 Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
145 Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
146 Raft River Geothermal	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30	8.64
147 Raft River Geothermal 1	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30	8.64
148 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Rainier Biogas	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
151 Rattlesnake Road Wind Farm	19.7	30.5	27.9	31.4	23.0	19.7	15.4	14.8	27.9	35.8	27.9	29.4	40.3	32.9	26.7
152 River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
153 Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154 Rock River Wind	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
155 Rockland wind	15.2	23.5	21.5	24.2	17.7	15.2	11.9	11.4	21.4	27.5	21.5	22.6	31.0	25.3	20.6
156 Ryegrass Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
157 Salmon Falls	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
158 Sawtooth	4.29	6.64	6.08	6.83	5.01	4.29	3.36	3.23	6.06	7.79	6.08	6.40	8.77	7.17	5.81
159 Shepherds Flat	162	250	229	258	189	162	127	122	229	294	229	241	331	270	219
160 Shepherds Flat - Central	55.6	85.9	78.7	88.5	64.9	55.6	43.5	41.8	78.5	101	78.7	82.8	114	92.8	75.3
161 Shepherds Flat - North	50.8	78.5	71.9	80.9	59.3	50.8	39.7	38.2	71.7	92.1	71.9	75.7	104	84.8	68.8
162 Shepherds Flat - South	55.6	85.9	78.7	88.5	64.9	55.6	43.5	41.8	78.5	101	78.7	82.8	114	92.8	75.3
163 Short Mountain	2.30	2.30	2.40	2.60	2.80	3.00	3.10	3.00	3.00	3.10	3.10	3.00	2.20	2.30	2.73
164 Simco Solar	7.98	7.98	6.28	4.50	2.61	1.73	2.27	4.09	4.97	6.10	6.10	7.24	8.34	8.30	5.37
165 Star Point Wind	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
166 Stateline	52.7	114	74.2	75.5	48.3	58.4	39.9	25.4	96.8	89.2	61.8	80.0	118	48.4	68.9
167 Stateline-OR	21.3	45.9	29.9	30.4	19.5	23.5	16.1	10.2	39.0	36.0	24.9	32.3	47.5	19.5	27.8
168 Stateline-WA	31.5	68.0	44.3	45.1	28.8	34.8	23.8	15.1	57.8	53.2	36.9	47.8	70.3	28.9	41.2
169 Stoltze Biomass	2.80	2.80	2.80	2.70	2.20	2.20	2.20	2.20	2.20	1.96	1.96	2.80	2.80	2.80	2.47
170 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Swauk Wind	0.81	1.26	1.15	1.30	0.95	0.82	0.64	0.61	1.15	1.48	1.15	1.21	1.66	1.36	1.10
172 Thousand Springs Wind Park	2.30	3.56	3.26	3.66	2.69	2.30	1.80	1.73	3.25	4.17	3.26	3.43	4.70	3.84	3.11
173 Threemile Canyon Wind	1.90	2.93	2.69	3.02	2.22	1.90	1.48	1.43	2.68	3.44	2.69	2.83	3.88	3.17	2.57
174 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Table A-11: Regional: Renewable Resources**

**Operating Year 2019**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
175 Tuana Gulch Wind	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
176 Tuana Springs Wind	3.22	4.98	4.56	5.13	3.76	3.22	2.52	2.42	4.55	5.84	4.56	4.80	6.58	5.38	4.36
177 Two Ponds Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
178 Van Dyk's Holsteins	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
179 Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
180 Vansycle	24.5	41.5	35.9	39.9	29.5	28.5	21.6	19.2	37.4	43.4	33.1	35.5	49.1	38.4	33.9
181 Vansycle 1	5.54	12.2	9.10	9.73	7.36	9.51	6.78	4.92	10.7	9.04	6.27	7.22	10.4	6.72	8.27
182 Vansycle 2	19.0	29.3	26.8	30.2	22.1	19.0	14.8	14.2	26.8	34.4	26.8	28.3	38.7	31.6	25.7
183 Vantage Wind	17.2	26.7	24.4	27.5	20.1	17.3	13.5	13.0	24.4	31.3	24.4	25.7	35.2	28.8	23.4
184 Wheat Field	18.5	28.6	26.2	29.5	21.6	18.5	14.5	13.9	26.1	33.6	26.2	27.6	37.8	30.9	25.1
185 White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
186 White Creek	38.6	59.8	54.7	61.5	45.1	38.7	30.2	29.0	54.6	70.1	54.7	57.6	78.9	64.5	52.3
187 Wild Horse	52.3	80.9	74.1	83.3	61.1	52.4	40.9	39.4	73.9	94.9	74.1	78.0	107	87.3	70.9
188 Wild Horse Solar 1	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
189 Wild Horse Wind 1	43.8	67.8	62.0	69.7	51.2	43.8	34.3	32.9	61.9	79.5	62.1	65.3	89.5	73.2	59.3
190 Wild Horse Wind 2	8.43	13.0	11.9	13.4	9.85	8.44	6.59	6.34	11.9	15.3	11.9	12.6	17.2	14.1	11.4
191 Willow Creek	13.8	21.3	19.5	22.0	16.1	13.8	10.8	10.4	19.5	25.0	19.5	20.6	28.2	23.0	18.7
192 Windy Point Wind	76.4	118	108	122	89.3	76.5	59.8	57.4	108	139	108	114	156	128	104
193 Windy Point 1	26.2	40.5	37.1	41.7	30.6	26.2	20.5	19.7	37.0	47.5	37.1	39.0	53.5	43.7	35.5
194 Windy Point 2	38.8	60.0	54.9	61.8	45.3	38.8	30.3	29.1	54.8	70.4	54.9	57.8	79.2	64.8	52.5
195 Windy Point 2 - Phase 2	11.5	17.7	16.2	18.2	13.4	11.5	8.96	8.61	16.2	20.8	16.2	17.1	23.4	19.1	15.5
196 Wolverine Creek	12.4	19.1	17.5	19.7	14.4	12.4	9.67	9.29	17.5	22.4	17.5	18.4	25.3	20.6	16.7
197 Yahoo Creek Wind	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
198 Yamhill Solar	0.30	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.23

**Total Renewable Resources**

199 Cooperative	20.4	26.2	24.8	26.0	21.5	19.4	17.4	17.1	24.3	28.3	24.0	25.6	31.6	27.5	23.8
200 Federal Entities	51.2	87.5	69.4	62.9	45.5	50.3	34.2	29.4	69.4	73.1	56.7	67.2	90.3	60.9	59.7
201 Investor Owned Utilities	1109	1599	1464	1532	1154	1007	802	810	1390	1760	1416	1500	1970	1678	1357
202 Marketer	112	177	159	177	129	113	87.4	82.5	161	202	157	167	230	182	151
203 Municipality	255	405	354	387	284	255	199	185	363	442	344	371	507	390	336
204 Other	8.62	13.3	12.2	13.7	10.1	8.63	6.74	6.48	12.2	15.6	12.2	12.9	17.6	14.4	11.7
205 Public Utility District	136	203	182	204	156	142	122	114	190	225	179	191	251	195	177
<b>206 Total</b>	<b>1692</b>	<b>2511</b>	<b>2266</b>	<b>2403</b>	<b>1800</b>	<b>1596</b>	<b>1269</b>	<b>1244</b>	<b>2210</b>	<b>2746</b>	<b>2189</b>	<b>2334</b>	<b>3097</b>	<b>2548</b>	<b>2116</b>

**Table A-11: Regional: Renewable Resources**  
**Operating Year 2020**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg	
<b>Renewable Resources</b>																
1 3 Bar G Wind	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	
2 American Falls Solar	14.2	14.2	12.8	8.59	4.98	2.74	3.31	5.43	10.3	11.9	11.9	14.5	16.0	16.7	10.1	
3 American Falls Solar 1	7.10	7.10	6.41	4.30	2.49	1.37	1.65	2.72	5.15	5.95	5.95	7.27	8.02	8.36	5.07	
4 American Falls Solar 2	7.10	7.10	6.41	4.30	2.49	1.37	1.65	2.72	5.15	5.95	5.95	7.27	8.02	8.36	5.07	
5 Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
6 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9 Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0	
10 Bellevue Solar (Amity, OR)	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15	
11 Bennett Creek Wind	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.44	
12 Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41	0.69	
13 Big Horn Wind	47.8	73.9	67.7	76.1	55.8	47.8	37.4	35.9	67.5	86.8	67.7	71.3	97.7	79.8	64.7	
14 Big Horn 1	38.2	59.1	54.1	60.9	44.7	38.2	29.9	28.7	54.0	69.4	54.2	57.0	78.1	63.8	51.7	
15 Big Horn 2	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0	
16 Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03	1.06	
17 Biglow Canyon Wind	86.2	133	122	137	101	86.2	67.4	64.8	122	156	122	128	176	144	117	
18 Biglow Canyon 1	24.0	37.2	34.0	38.3	28.1	24.0	18.8	18.1	33.9	43.6	34.0	35.8	49.1	40.1	32.5	
19 Biglow Canyon 2	28.6	44.3	40.6	45.6	33.5	28.7	22.4	21.5	40.5	52.0	40.6	42.7	58.5	47.8	38.8	
20 Biglow Canyon 3	33.5	51.8	47.4	53.3	39.1	33.5	26.2	25.2	47.3	60.8	47.5	49.9	68.4	55.9	45.3	
21 Black Cap Solar Project	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	
22 Boise City Solar	16.2	16.2	13.7	11.6	7.07	6.09	6.19	9.07	11.1	12.9	12.9	15.1	16.0	17.4	11.9	
23 Burley Butte Wind	3.74	5.78	5.29	5.95	4.37	3.74	2.92	2.81	5.28	6.78	5.29	5.57	7.63	6.24	5.06	
24 Camp Reed	4.31	6.67	6.11	6.87	5.04	4.31	3.37	3.24	6.09	7.82	6.11	6.43	8.81	7.20	5.83	
25 Cassia Farms Wind	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.72	
26 Cassia Gulch Wind	3.62	5.60	5.13	5.77	4.23	3.62	2.83	2.72	5.12	6.57	5.13	5.40	7.40	6.05	4.90	
27 Cedar Hills Landfill	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	
28 Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36	
29 Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38	
30 Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98	
31 Cold Springs	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.96	
32 Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	
33 Combine Hills	19.9	30.8	28.2	31.7	23.3	19.9	15.6	15.0	28.2	36.2	28.2	29.7	40.7	33.3	27.0	
34 Combine Hills 2	12.1	18.7	17.1	19.2	14.1	12.1	9.44	9.07	17.1	21.9	17.1	18.0	24.7	20.2	16.3	
35 Combine Hills 1	7.86	12.2	11.1	12.5	9.18	7.86	6.14	5.91	11.1	14.3	11.1	11.7	16.1	13.1	10.6	
36 Condon	5.92	11.5	9.57	10.9	9.77	13.8	7.23	7.13	13.0	10.7	8.60	8.68	10.3	6.85	9.64	
37 Condon 1	2.92	5.68	4.73	5.36	4.82	6.81	3.57	3.52	6.40	5.27	4.25	4.29	5.08	3.39	4.76	
38 Condon 2	2.99	5.81	4.84	5.49	4.94	6.98	3.66	3.61	6.56	5.40	4.35	4.39	5.20	3.47	4.88	
39 DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	
40 Desert Meadow Windfarm	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.96	
41 Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
42 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
43 Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	
44 Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10	1.26	
45 Echo Wind Farm	12.4	19.1	17.5	19.7	14.4	12.4	9.67	9.30	17.5	22.4	17.5	18.4	25.3	20.7	16.7	
46 Echo Wind 1	8.54	13.2	12.1	13.6	9.97	8.54	6.68	6.42	12.1	15.5	12.1	12.7	17.4	14.3	11.6	
47 Echo Wind 2	3.83	5.93	5.43	6.10	4.48	3.83	3.00	2.88	5.41	6.95	5.43	5.71	7.83	6.40	5.19	
48 Edaleen Cow Power	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	
49 Elkhorn Valley Wind Project	19.3	29.8	27.3	30.7	22.5	19.3	15.1	14.5	27.2	35.0	27.3	28.8	39.4	32.2	26.1	
50 Farm Power Lynden	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	
51 Farm Power Misty Meadow	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	
52 Farm Power Rexville	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	
53 Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
54 Fighting Creek Landfill	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	
55 Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	
56 Flathead County Landfill	1.48	1.48	1.48	1.35	1.34	1.34	1.34	1.35	1.34	1.41	1.41	1.43	1.48	1.48	1.40	
57 Foote Creek 1	7.93	12.3	11.2	12.6	9.27	7.94	6.20	5.96	11.2	14.4	11.2	11.8	16.2	13.2	10.7	

**Table A-11: Regional: Renewable Resources**

**Operating Year 2020**

**2015 White Book** Report Date: 6/30/2015 *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Foote Creek 2	0.35	0.53	0.49	0.55	0.40	0.35	0.27	0.26	0.49	0.63	0.49	0.51	0.71	0.58	0.47
59 Foote Creek 4	3.22	4.98	4.56	5.13	3.76	3.22	2.52	2.42	4.55	5.84	4.56	4.80	6.58	5.38	4.36
60 Forest Glen Oaks Dairy	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
61 Fossil Gulch Wind Project	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.72
62 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Golden Valley Wind	2.30	3.56	3.26	3.66	2.69	2.30	1.80	1.73	3.25	4.17	3.26	3.43	4.70	3.84	3.11
64 Goodnoe Hills	18.0	27.9	25.5	28.7	21.0	18.0	14.1	13.5	25.4	32.7	25.5	26.9	36.8	30.1	24.4
65 Goshen North (Ridgeline)	23.9	36.9	33.8	38.0	27.9	23.9	18.7	17.9	33.7	43.3	33.8	35.6	48.7	39.8	32.3
66 Grand View Solar	32.8	32.8	26.2	19.2	10.6	7.17	7.47	15.4	21.4	27.1	27.1	30.7	34.4	33.9	22.2
67 Grand View Solar 1	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
68 Grand View Solar 2	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
69 Grand View Solar 3	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
70 Grand View Solar 4	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
71 Grayland	1.15	1.78	1.63	1.83	1.34	1.15	0.90	0.86	1.62	2.09	1.63	1.71	2.35	1.92	1.56
72 H.W. Hill Landfill Gas (Roosevelt)	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
73 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 HW Hill Landfill Gas 2	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
75 Hammett Hill	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.96
76 Harvest	19.0	29.3	26.8	30.2	22.1	19.0	14.8	14.2	26.8	34.4	26.8	28.3	38.7	31.6	25.6
77 Hay Canyon Wind	19.3	29.9	27.4	30.8	22.6	19.3	15.1	14.5	27.3	35.1	27.4	28.8	39.5	32.3	26.1
78 Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
80 High Mesa Wind	7.65	11.8	10.8	12.2	8.93	7.65	5.98	5.75	10.8	13.9	10.8	11.4	15.6	12.8	10.3
81 Hopkins Ridge	30.0	46.4	42.5	47.8	35.1	30.0	23.5	22.6	42.4	54.5	42.5	44.7	61.3	50.1	40.6
82 Hopkins Ridge 2	1.38	2.13	1.95	2.20	1.61	1.38	1.08	1.04	1.95	2.50	1.95	2.06	2.82	2.30	1.87
83 Hopkins Ridge I	28.6	44.3	40.6	45.6	33.4	28.6	22.4	21.5	40.4	51.9	40.6	42.7	58.5	47.8	38.7
84 Horse Butte Wind	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	14.9
85 Horseshoe Bend Wind Project	1.73	2.67	2.44	2.75	2.02	1.73	1.35	1.30	2.44	3.13	2.44	2.57	3.52	2.88	2.33
86 Hot Springs Wind	3.79	5.87	5.37	6.04	4.43	3.80	2.97	2.85	5.36	6.89	5.38	5.66	7.75	6.34	5.13
87 Industrial Finishes	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
88 JC-Biomethane	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
89 Josef Stauffer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Juniper Canyon	29.0	44.8	41.0	46.1	33.8	29.0	22.7	21.8	40.9	52.6	41.0	43.2	59.2	48.4	39.2
91 Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	27.8	46.3	44.7
92 King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
93 Kittitas Valley Wind	19.3	29.9	27.4	30.8	22.6	19.3	15.1	14.5	27.3	35.1	27.4	28.8	39.5	32.3	26.1
94 Klondike 1	7.55	10.5	9.35	6.35	4.54	4.14	3.30	3.27	6.06	7.95	6.74	8.19	10.4	9.47	6.80
95 Klondike 2	23.6	32.7	29.2	19.8	14.2	12.9	10.3	10.2	18.9	24.8	21.1	25.6	32.5	29.6	21.2
96 Klondike 3	70.4	97.7	87.2	59.2	42.4	38.6	30.8	30.4	56.5	74.2	62.9	76.4	97.1	88.3	63.4
97 Klondike 3a	24.1	33.4	29.8	20.2	14.5	13.2	10.5	10.4	19.3	25.3	21.5	26.1	33.2	30.2	21.7
98 Knudson Wind	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
99 Lakeview Solar	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
100 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 Lakeview Solar 500	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
102 Leaning Juniper	57.8	89.4	81.9	92.1	67.6	57.9	45.2	43.5	81.7	105	81.9	86.2	118	96.6	78.2
103 Leaning Juniper 1	19.3	29.8	27.3	30.7	22.5	19.3	15.1	14.5	27.2	34.9	27.3	28.7	39.3	32.2	26.1
104 Leaning Juniper 2a	17.3	26.8	24.5	27.6	20.2	17.3	13.5	13.0	24.4	31.4	24.5	25.8	35.4	28.9	23.4
105 Leaning Juniper 2b	21.3	32.9	30.1	33.9	24.8	21.3	16.6	16.0	30.0	38.6	30.1	31.7	43.5	35.5	28.8
106 Lewandowski Farms	0.11	0.10	0.08	0.08	0.08	0.07	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
107 Lime Wind	0.58	0.89	0.81	0.92	0.67	0.58	0.45	0.43	0.81	1.04	0.81	0.86	1.18	0.96	0.78
108 Linden Ranch	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
109 Livingston	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
110 Lower Snake Wind	119	189	176	178	140	121	88.9	90.2	158	215	164	178	239	196	159
111 Lower Snake Wind 1	65.7	102	93.0	105	76.7	65.7	51.4	49.4	92.8	119	93.0	97.9	134	110	88.9
112 Tucannon River Wind	53.7	87.1	83.0	73.0	63.3	55.1	37.5	40.8	65.4	95.9	71.5	79.8	105	86.1	70.3
113 LRI/Graham Landfill - BioFuels	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28
114 Mainline Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.96
115 Marengo Wind	40.4	62.4	57.2	64.3	47.1	40.4	31.6	30.3	57.0	73.2	57.2	60.2	82.5	67.4	54.6
116 Marengo Wind 1	26.9	41.6	38.1	42.8	31.4	26.9	21.0	20.2	38.0	48.8	38.1	40.1	55.0	44.9	36.4

**Table A-11: Regional: Renewable Resources**

**Operating Year 2020**

**2015 White Book** Report Date: 6/30/2015 *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
117 Marengo Wind 2	13.5	20.8	19.1	21.4	15.7	13.5	10.5	10.1	19.0	24.4	19.1	20.1	27.5	22.5	18.2
118 Meadow Creek Wind	22.9	35.5	32.5	36.5	26.8	22.9	17.9	17.2	32.4	41.6	32.5	34.2	46.9	38.3	31.0
119 Five Pine Wind	7.65	11.8	10.8	12.2	8.93	7.65	5.98	5.75	10.8	13.9	10.8	11.4	15.6	12.8	10.3
120 North Point Wind	15.3	23.7	21.7	24.3	17.9	15.3	12.0	11.5	21.6	27.7	21.7	22.8	31.2	25.5	20.7
121 Milner Dam Wind Farm	3.74	5.78	5.29	5.95	4.37	3.74	2.92	2.81	5.28	6.78	5.29	5.57	7.63	6.24	5.06
122 Murphy Flat Solar Power	7.70	7.70	6.43	4.50	2.40	1.75	2.05	3.57	5.12	6.58	6.58	7.25	8.05	8.37	5.32
123 Neal Hot Springs	22.0	22.0	22.0	22.0	22.0	22.0	10.5	22.0	22.0	22.0	22.0	22.0	22.0	21.3	21.0
124 Nine Canyon Wind	18.6	34.7	26.0	30.7	22.3	24.4	24.6	19.6	33.9	30.3	21.9	26.8	36.0	15.0	26.0
125 Nine Canyon Wind 1	9.32	17.4	13.1	15.4	11.2	12.2	12.3	9.81	17.0	15.2	11.0	13.4	18.1	7.53	13.1
126 Nine Canyon Wind 2	3.01	5.62	4.21	4.98	3.61	3.95	3.98	3.17	5.50	4.91	3.54	4.34	5.83	2.43	4.22
127 Nine Canyon Wind 3	6.24	11.7	8.74	10.3	7.48	8.19	8.25	6.57	11.4	10.2	7.35	9.00	12.1	5.04	8.75
128 Orchard Ranch Solar	7.96	7.96	6.25	4.46	2.58	1.71	2.25	4.04	4.96	6.50	6.50	7.21	8.33	8.29	5.38
129 Oregon Trail Wind	2.59	4.00	3.66	4.12	3.02	2.59	2.02	1.94	3.65	4.69	3.67	3.86	5.29	4.32	3.50
130 Outback Solar	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
131 Paisley Geothermal	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
132 Palouse Wind	20.0	30.9	28.3	31.9	23.4	20.0	15.6	15.0	28.3	36.3	28.3	29.8	40.9	33.4	27.1
133 PaTu Wind	1.73	2.67	2.44	2.75	2.02	1.73	1.35	1.30	2.44	3.13	2.44	2.57	3.52	2.88	2.33
134 Paynes Ferry Wind Park	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.44
135 Pebble Springs Wind	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
136 Pepsi-Cola Solar	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
137 Pepsi-Cola Eugene Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Pepsi-Cola Klamath Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Pilgrim Stage Station Wind Park	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.72
141 Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
142 Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
143 Power County Wind	8.62	13.3	12.2	13.7	10.1	8.63	6.74	6.48	12.2	15.6	12.2	12.9	17.6	14.4	11.7
144 Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
145 Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
146 Raft River Geothermal	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30	8.64
147 Raft River Geothermal 1	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30	8.64
148 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Rainier Biogas	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
151 Rattlesnake Road Wind Farm	19.7	30.5	27.9	31.4	23.0	19.7	15.4	14.8	27.9	35.8	27.9	29.4	40.3	32.9	26.7
152 River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
153 Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154 Rock River Wind	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
155 Rockland wind	15.2	23.5	21.5	24.2	17.7	15.2	11.9	11.4	21.4	27.5	21.5	22.6	31.0	25.3	20.5
156 Ryegrass Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.96
157 Salmon Falls	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.44
158 Sawtooth	4.29	6.64	6.08	6.83	5.01	4.29	3.36	3.23	6.06	7.79	6.08	6.40	8.77	7.17	5.81
159 Shepherds Flat	162	250	229	258	189	162	127	122	229	294	229	241	331	270	219
160 Shepherds Flat - Central	55.6	85.9	78.7	88.5	64.9	55.6	43.5	41.8	78.5	101	78.7	82.8	114	92.8	75.2
161 Shepherds Flat - North	50.8	78.5	71.9	80.9	59.3	50.8	39.7	38.2	71.7	92.1	71.9	75.7	104	84.8	68.7
162 Shepherds Flat - South	55.6	85.9	78.7	88.5	64.9	55.6	43.5	41.8	78.5	101	78.7	82.8	114	92.8	75.2
163 Short Mountain	2.30	2.30	2.40	2.60	2.80	3.00	3.10	3.00	3.00	3.10	3.10	3.00	2.20	2.30	2.73
164 Simco Solar	7.98	7.98	6.28	4.50	2.61	1.73	2.27	4.09	4.97	6.10	6.10	7.24	8.34	8.30	5.37
165 Star Point Wind	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
166 Stateline	52.7	114	74.2	75.5	48.3	58.4	39.9	25.4	96.8	89.2	61.8	80.0	118	48.4	68.8
167 Stateline-OR	21.3	45.9	29.9	30.4	19.5	23.5	16.1	10.2	39.0	36.0	24.9	32.3	47.5	19.5	27.7
168 Stateline-WA	31.5	68.0	44.3	45.1	28.8	34.8	23.8	15.1	57.8	53.2	36.9	47.8	70.3	28.9	41.1
169 Stoltze Biomass	2.80	2.80	2.80	2.70	2.20	2.20	2.20	2.20	2.20	2.30	2.30	2.80	2.80	2.80	2.50
170 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Swauk Wind	0.81	1.26	1.15	1.30	0.95	0.82	0.64	0.61	1.15	1.48	1.15	1.21	1.66	1.36	1.10
172 Thousand Springs Wind Park	2.30	3.56	3.26	3.66	2.69	2.30	1.80	1.73	3.25	4.17	3.26	3.43	4.70	3.84	3.11
173 Threemile Canyon Wind	1.90	2.93	2.69	3.02	2.22	1.90	1.48	1.43	2.68	3.44	2.69	2.83	3.88	3.17	2.57
174 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



**Table A-11: Regional: Renewable Resources**

**Operating Year 2020**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
175 Tuana Gulch Wind	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.72
176 Tuana Springs Wind	3.22	4.98	4.56	5.13	3.76	3.22	2.52	2.42	4.55	5.84	4.56	4.80	6.58	5.38	4.36
177 Two Ponds Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.96
178 Van Dyk's Holsteins	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
179 Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
180 Vansycle	24.5	41.5	35.9	39.9	29.5	28.5	21.6	19.2	37.4	43.4	33.1	35.5	49.1	38.4	33.9
181 Vansycle 1	5.54	12.2	9.10	9.73	7.36	9.51	6.78	4.92	10.7	9.04	6.27	7.22	10.4	6.72	8.26
182 Vansycle 2	19.0	29.3	26.8	30.2	22.1	19.0	14.8	14.2	26.8	34.4	26.8	28.3	38.7	31.6	25.6
183 Vantage Wind	17.2	26.7	24.4	27.5	20.1	17.3	13.5	13.0	24.4	31.3	24.4	25.7	35.2	28.8	23.3
184 Wheat Field	18.5	28.6	26.2	29.5	21.6	18.5	14.5	13.9	26.1	33.6	26.2	27.6	37.8	30.9	25.0
185 White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
186 White Creek	38.6	59.8	54.7	61.5	45.1	38.7	30.2	29.0	54.6	70.1	54.7	57.6	78.9	64.5	52.3
187 Wild Horse	52.3	80.9	74.1	83.3	61.1	52.4	40.9	39.4	73.9	94.9	74.1	78.0	107	87.3	70.8
188 Wild Horse Solar 1	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
189 Wild Horse Wind 1	43.8	67.8	62.0	69.7	51.2	43.8	34.3	32.9	61.9	79.5	62.1	65.3	89.5	73.2	59.3
190 Wild Horse Wind 2	8.43	13.0	11.9	13.4	9.85	8.44	6.59	6.34	11.9	15.3	11.9	12.6	17.2	14.1	11.4
191 Willow Creek	13.8	21.3	19.5	22.0	16.1	13.8	10.8	10.4	19.5	25.0	19.5	20.6	28.2	23.0	18.7
192 Windy Point Wind	76.4	118	108	122	89.3	76.5	59.8	57.4	108	139	108	114	156	128	103
193 Windy Point 1	26.2	40.5	37.1	41.7	30.6	26.2	20.5	19.7	37.0	47.5	37.1	39.0	53.5	43.7	35.4
194 Windy Point 2	38.8	60.0	54.9	61.8	45.3	38.8	30.3	29.1	54.8	70.4	54.9	57.8	79.2	64.8	52.5
195 Windy Point 2 - Phase 2	11.5	17.7	16.2	18.2	13.4	11.5	8.96	8.61	16.2	20.8	16.2	17.1	23.4	19.1	15.5
196 Wolverine Creek	12.4	19.1	17.5	19.7	14.4	12.4	9.67	9.29	17.5	22.4	17.5	18.4	25.3	20.6	16.7
197 Yahoo Creek Wind	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.44
198 Yamhill Solar	0.30	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.23

**Total Renewable Resources**

199 Cooperative	20.4	26.2	24.9	26.5	21.5	19.3	17.4	17.1	24.3	28.6	24.4	25.7	31.6	27.5	23.8
200 Federal Entities	51.2	87.5	69.4	62.9	45.5	50.3	34.2	29.4	69.4	73.1	56.7	67.1	90.3	60.9	59.6
201 Investor Owned Utilities	1109	1599	1464	1532	1154	1007	802	810	1390	1760	1416	1511	1974	1678	1357
202 Marketer	112	177	159	177	129	113	87.4	82.5	161	202	157	167	230	182	151
203 Municipality	255	405	354	387	284	255	199	185	363	442	344	371	507	390	335
204 Other	8.62	13.3	12.2	13.7	10.1	8.63	6.74	6.48	12.2	15.6	12.2	12.9	17.6	14.4	11.7
205 Public Utility District	136	203	182	204	156	142	122	114	190	225	179	191	251	195	177
<b>206 Total</b>	<b>1692</b>	<b>2511</b>	<b>2266</b>	<b>2403</b>	<b>1800</b>	<b>1596</b>	<b>1269</b>	<b>1244</b>	<b>2210</b>	<b>2746</b>	<b>2189</b>	<b>2346</b>	<b>3102</b>	<b>2548</b>	<b>2115</b>

**Table A-11: Regional: Renewable Resources  
Operating Year 2021  
2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Renewable Resources</b>															
1 3 Bar G Wind	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
2 American Falls Solar	14.2	14.2	12.8	8.59	4.98	2.74	3.31	5.43	10.3	11.9	11.9	14.5	16.0	16.7	10.2
3 American Falls Solar 1	7.10	7.10	6.41	4.30	2.49	1.37	1.65	2.72	5.15	5.95	5.95	7.27	8.02	8.36	5.08
4 American Falls Solar 2	7.10	7.10	6.41	4.30	2.49	1.37	1.65	2.72	5.15	5.95	5.95	7.27	8.02	8.36	5.08
5 Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
6 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0
10 Bellevue Solar (Amity, OR)	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
11 Bennett Creek Wind	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
12 Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41	0.69
13 Big Horn Wind	47.8	73.9	67.7	76.1	55.8	47.8	37.4	35.9	67.5	86.8	67.7	71.3	97.7	79.8	64.8
14 Big Horn 1	38.2	59.1	54.1	60.9	44.7	38.2	29.9	28.7	54.0	69.4	54.2	57.0	78.1	63.8	51.8
15 Big Horn 2	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
16 Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03	1.06
17 Biglow Canyon Wind	86.2	133	122	137	101	86.2	67.4	64.8	122	156	122	128	176	144	117
18 Biglow Canyon 1	24.0	37.2	34.0	38.3	28.1	24.0	18.8	18.1	33.9	43.6	34.0	35.8	49.1	40.1	32.6
19 Biglow Canyon 2	28.6	44.3	40.6	45.6	33.5	28.7	22.4	21.5	40.5	52.0	40.6	42.7	58.5	47.8	38.8
20 Biglow Canyon 3	33.5	51.8	47.4	53.3	39.1	33.5	26.2	25.2	47.3	60.8	47.5	49.9	68.4	55.9	45.4
21 Black Cap Solar Project	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
22 Boise City Solar	16.2	16.2	13.7	11.6	7.07	6.09	6.19	9.07	11.1	12.9	12.9	15.1	16.0	17.4	11.9
23 Burley Butte Wind	3.74	5.78	5.29	5.95	4.37	3.74	2.92	2.81	5.28	6.78	5.29	5.57	7.63	6.24	5.06
24 Camp Reed	4.31	6.67	6.11	6.87	5.04	4.31	3.37	3.24	6.09	7.82	6.11	6.43	8.81	7.20	5.84
25 Cassia Farms Wind	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
26 Cassia Gulch Wind	3.62	5.60	5.13	5.77	4.23	3.62	2.83	2.72	5.12	6.57	5.13	5.40	7.40	6.05	4.91
27 Cedar Hills Landfill	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
28 Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36
29 Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38
30 Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98
31 Cold Springs	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
32 Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
33 Combine Hills	19.9	30.8	28.2	31.7	23.3	19.9	15.6	15.0	28.2	36.2	28.2	29.7	40.7	33.3	27.0
34 Combine Hills 2	12.1	18.7	17.1	19.2	14.1	12.1	9.44	9.07	17.1	21.9	17.1	18.0	24.7	20.2	16.4
35 Combine Hills 1	7.86	12.2	11.1	12.5	9.18	7.86	6.14	5.91	11.1	14.3	11.1	11.7	16.1	13.1	10.6
36 Condon	5.92	11.5	9.57	10.9	9.77	13.8	7.23	7.13	13.0	10.7	8.60	8.68	10.3	6.85	9.65
37 Condon 1	2.92	5.68	4.73	5.36	4.82	6.81	3.57	3.52	6.40	5.27	4.25	4.29	5.08	3.39	4.77
38 Condon 2	2.99	5.81	4.84	5.49	4.94	6.98	3.66	3.61	6.56	5.40	4.35	4.39	5.20	3.47	4.88
39 DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
40 Desert Meadow Windfarm	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
41 Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
42 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
44 Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10	1.26
45 Echo Wind Farm	12.4	19.1	17.5	19.7	14.4	12.4	9.67	9.30	17.5	22.4	17.5	18.4	25.3	20.7	16.8
46 Echo Wind 1	8.54	13.2	12.1	13.6	9.97	8.54	6.68	6.42	12.1	15.5	12.1	12.7	17.4	14.3	11.6
47 Echo Wind 2	3.83	5.93	5.43	6.10	4.48	3.83	3.00	2.88	5.41	6.95	5.43	5.71	7.83	6.40	5.19
48 Edaleen Cow Power	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
49 Elkhorn Valley Wind Project	19.3	29.8	27.3	30.7	22.5	19.3	15.1	14.5	27.2	35.0	27.3	28.8	39.4	32.2	26.1
50 Farm Power Lynden	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
51 Farm Power Misty Meadow	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
52 Farm Power Rexville	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
53 Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
54 Fighting Creek Landfill	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
55 Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
56 Flathead County Landfill	1.48	1.48	1.43	1.18	1.34	1.34	1.35	1.33	1.34	1.43	1.43	1.41	1.48	1.48	1.38
57 Foote Creek 1	7.93	12.3	11.2	12.6	9.27	7.94	6.20	5.96	11.2	14.4	11.2	11.8	16.2	13.2	10.7



**Table A-11: Regional: Renewable Resources**

**Operating Year 2021**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Foote Creek 2	0.35	0.53	0.49	0.55	0.40	0.35	0.27	0.26	0.49	0.63	0.49	0.51	0.71	0.58	0.47
59 Foote Creek 4	3.22	4.98	4.56	5.13	3.76	3.22	2.52	2.42	4.55	5.84	4.56	4.80	6.58	5.38	4.36
60 Forest Glen Oaks Dairy	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
61 Fossil Gulch Wind Project	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
62 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Golden Valley Wind	2.30	3.56	3.26	3.66	2.69	2.30	1.80	1.73	3.25	4.17	3.26	3.43	4.70	3.84	3.11
64 Goodnoe Hills	18.0	27.9	25.5	28.7	21.0	18.0	14.1	13.5	25.4	32.7	25.5	26.9	36.8	30.1	24.4
65 Goshen North (Ridgeline)	23.9	36.9	33.8	38.0	27.9	23.9	18.7	17.9	33.7	43.3	33.8	35.6	48.7	39.8	32.3
66 Grand View Solar	32.8	32.8	26.2	19.2	10.6	7.17	7.47	15.4	21.4	27.1	27.1	30.7	34.4	33.9	22.2
67 Grand View Solar 1	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
68 Grand View Solar 2	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
69 Grand View Solar 3	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
70 Grand View Solar 4	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
71 Grayland	1.15	1.78	1.63	1.83	1.34	1.15	0.90	0.86	1.62	2.09	1.63	1.71	2.35	1.92	1.56
72 H.W. Hill Landfill Gas (Roosevelt)	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
73 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 HW Hill Landfill Gas 2	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
75 Hammett Hill	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
76 Harvest	19.0	29.3	26.8	30.2	22.1	19.0	14.8	14.2	26.8	34.4	26.8	28.3	38.7	31.6	25.7
77 Hay Canyon Wind	19.3	29.9	27.4	30.8	22.6	19.3	15.1	14.5	27.3	35.1	27.4	28.8	39.5	32.3	26.2
78 Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
80 High Mesa Wind	7.65	11.8	10.8	12.2	8.93	7.65	5.98	5.75	10.8	13.9	10.8	11.4	15.6	12.8	10.4
81 Hopkins Ridge	30.0	46.4	42.5	47.8	35.1	30.0	23.5	22.6	42.4	54.5	42.5	44.7	61.3	50.1	40.7
82 Hopkins Ridge 2	1.38	2.13	1.95	2.20	1.61	1.38	1.08	1.04	1.95	2.50	1.95	2.06	2.82	2.30	1.87
83 Hopkins Ridge 1	28.6	44.3	40.6	45.6	33.4	28.6	22.4	21.5	40.4	51.9	40.6	42.7	58.5	47.8	38.8
84 Horse Butte Wind	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	15.0
85 Horseshoe Bend Wind Project	1.73	2.67	2.44	2.75	2.02	1.73	1.35	1.30	2.44	3.13	2.44	2.57	3.52	2.88	2.34
86 Hot Springs Wind	3.79	5.87	5.37	6.04	4.43	3.80	2.97	2.85	5.36	6.89	5.38	5.66	7.75	6.34	5.14
87 Industrial Finishes	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
88 JC-Biomethane	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
89 Josef Stauffer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Juniper Canyon	29.0	44.8	41.0	46.1	33.8	29.0	22.7	21.8	40.9	52.6	41.0	43.2	59.2	48.4	39.2
91 Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	23.1	46.3	44.4
92 King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
93 Kittitas Valley Wind	19.3	29.9	27.4	30.8	22.6	19.3	15.1	14.5	27.3	35.1	27.4	28.8	39.5	32.3	26.2
94 Klondike 1	7.55	10.5	9.35	6.35	4.54	4.14	3.30	3.27	6.06	7.95	6.74	8.19	10.4	9.47	6.81
95 Klondike 2	23.6	32.7	29.2	19.8	14.2	12.9	10.3	10.2	18.9	24.8	21.1	25.6	32.5	29.6	21.3
96 Klondike 3	70.4	97.7	87.2	59.2	42.4	38.6	30.8	30.4	56.5	74.2	62.9	76.4	97.1	88.3	63.5
97 Klondike 3a	24.1	33.4	29.8	20.2	14.5	13.2	10.5	10.4	19.3	25.3	21.5	26.1	33.2	30.2	21.7
98 Knudson Wind	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
99 Lakeview Solar	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
100 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 Lakeview Solar 500	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
102 Leaning Juniper	57.8	89.4	81.9	92.1	67.6	57.9	45.2	43.5	81.7	105	81.9	86.2	118	96.6	78.3
103 Leaning Juniper 1	19.3	29.8	27.3	30.7	22.5	19.3	15.1	14.5	27.2	34.9	27.3	28.7	39.3	32.2	26.1
104 Leaning Juniper 2a	17.3	26.8	24.5	27.6	20.2	17.3	13.5	13.0	24.4	31.4	24.5	25.8	35.4	28.9	23.4
105 Leaning Juniper 2b	21.3	32.9	30.1	33.9	24.8	21.3	16.6	16.0	30.0	38.6	30.1	31.7	43.5	35.5	28.8
106 Lewandowski Farms	0.11	0.10	0.08	0.08	0.08	0.06	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
107 Lime Wind	0.58	0.89	0.81	0.92	0.67	0.58	0.45	0.43	0.81	1.04	0.81	0.86	1.18	0.96	0.78
108 Linden Ranch	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
109 Livingston	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
110 Lower Snake Wind	119	189	176	178	140	121	88.9	90.2	158	215	164	178	239	196	159
111 Lower Snake Wind 1	65.7	102	93.0	105	76.7	65.7	51.4	49.4	92.8	119	93.0	97.9	134	110	89.0
112 Tucannon River Wind	53.7	87.1	83.0	73.0	63.3	55.1	37.5	40.8	65.4	95.9	71.5	79.8	105	86.1	70.4
113 LRI/Graham Landfill - BioFuels	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28
114 Mainline Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
115 Marengo Wind	40.4	62.4	57.2	64.3	47.1	40.4	31.6	30.3	57.0	73.2	57.2	60.2	82.5	67.4	54.7
116 Marengo Wind 1	26.9	41.6	38.1	42.8	31.4	26.9	21.0	20.2	38.0	48.8	38.1	40.1	55.0	44.9	36.4

**Table A-11: Regional: Renewable Resources**

**Operating Year 2021**

**2015 White Book** Report Date: 6/30/2015 *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
117 Marengo Wind 2	13.5	20.8	19.1	21.4	15.7	13.5	10.5	10.1	19.0	24.4	19.1	20.1	27.5	22.5	18.2
118 Meadow Creek Wind	22.9	35.5	32.5	36.5	26.8	22.9	17.9	17.2	32.4	41.6	32.5	34.2	46.9	38.3	31.1
119 Five Pine Wind	7.65	11.8	10.8	12.2	8.93	7.65	5.98	5.75	10.8	13.9	10.8	11.4	15.6	12.8	10.4
120 North Point Wind	15.3	23.7	21.7	24.3	17.9	15.3	12.0	11.5	21.6	27.7	21.7	22.8	31.2	25.5	20.7
121 Milner Dam Wind Farm	3.74	5.78	5.29	5.95	4.37	3.74	2.92	2.81	5.28	6.78	5.29	5.57	7.63	6.24	5.06
122 Murphy Flat Solar Power	7.70	7.70	6.43	4.50	2.40	1.75	2.05	3.57	5.12	6.58	6.58	7.25	8.05	8.37	5.32
123 Neal Hot Springs	22.0	22.0	22.0	22.0	22.0	22.0	10.5	22.0	22.0	22.0	22.0	22.0	22.0	21.3	21.0
124 Nine Canyon Wind	18.6	34.7	26.0	30.7	22.3	24.4	24.6	19.6	33.9	30.3	21.9	26.8	36.0	15.0	26.1
125 Nine Canyon Wind 1	9.32	17.4	13.1	15.4	11.2	12.2	12.3	9.81	17.0	15.2	11.0	13.4	18.1	7.53	13.1
126 Nine Canyon Wind 2	3.01	5.62	4.21	4.98	3.61	3.95	3.98	3.17	5.50	4.91	3.54	4.34	5.83	2.43	4.22
127 Nine Canyon Wind 3	6.24	11.7	8.74	10.3	7.48	8.19	8.25	6.57	11.4	10.2	7.35	9.00	12.1	5.04	8.75
128 Orchard Ranch Solar	7.96	7.96	6.25	4.46	2.58	1.71	2.25	4.04	4.96	6.50	6.50	7.21	8.33	8.29	5.38
129 Oregon Trail Wind	2.59	4.00	3.66	4.12	3.02	2.59	2.02	1.94	3.65	4.69	3.67	3.86	5.29	4.32	3.50
130 Outback Solar	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
131 Paisley Geothermal	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
132 Palouse Wind	20.0	30.9	28.3	31.9	23.4	20.0	15.6	15.0	28.3	36.3	28.3	29.8	40.9	33.4	27.1
133 PaTu Wind	1.73	2.67	2.44	2.75	2.02	1.73	1.35	1.30	2.44	3.13	2.44	2.57	3.52	2.88	2.34
134 Paynes Ferry Wind Park	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
135 Pebble Springs Wind	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
136 Pepsi-Cola Solar	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
137 Pepsi-Cola Eugene Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Pepsi-Cola Klamath Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Pilgrim Stage Station Wind Park	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
141 Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
142 Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
143 Power County Wind	8.62	13.3	12.2	13.7	10.1	8.63	6.74	6.48	12.2	15.6	12.2	12.9	17.6	14.4	11.7
144 Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
145 Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
146 Raft River Geothermal	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30	8.64
147 Raft River Geothermal 1	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30	8.64
148 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Rainier Biogas	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
151 Rattlesnake Road Wind Farm	19.7	30.5	27.9	31.4	23.0	19.7	15.4	14.8	27.9	35.8	27.9	29.4	40.3	32.9	26.7
152 River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
153 Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154 Rock River Wind	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
155 Rockland wind	15.2	23.5	21.5	24.2	17.7	15.2	11.9	11.4	21.4	27.5	21.5	22.6	31.0	25.3	20.6
156 Ryegrass Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
157 Salmon Falls	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
158 Sawtooth	4.29	6.64	6.08	6.83	5.01	4.29	3.36	3.23	6.06	7.79	6.08	6.40	8.77	7.17	5.81
159 Shepherds Flat	162	250	229	258	189	162	127	122	229	294	229	241	331	270	219
160 Shepherds Flat - Central	55.6	85.9	78.7	88.5	64.9	55.6	43.5	41.8	78.5	101	78.7	82.8	114	92.8	75.3
161 Shepherds Flat - North	50.8	78.5	71.9	80.9	59.3	50.8	39.7	38.2	71.7	92.1	71.9	75.7	104	84.8	68.8
162 Shepherds Flat - South	55.6	85.9	78.7	88.5	64.9	55.6	43.5	41.8	78.5	101	78.7	82.8	114	92.8	75.3
163 Short Mountain	2.30	2.30	2.40	2.60	2.80	3.00	3.10	3.00	3.00	3.10	3.10	3.00	2.20	2.30	2.73
164 Simco Solar	7.98	7.98	6.28	4.50	2.61	1.73	2.27	4.09	4.97	6.10	6.10	7.24	8.34	8.30	5.37
165 Star Point Wind	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
166 Stateline	52.7	114	74.2	75.5	48.3	58.4	39.9	25.4	96.8	89.2	61.8	80.0	118	48.4	68.9
167 Stateline-OR	21.3	45.9	29.9	30.4	19.5	23.5	16.1	10.2	39.0	36.0	24.9	32.3	47.5	19.5	27.8
168 Stateline-WA	31.5	68.0	44.3	45.1	28.8	34.8	23.8	15.1	57.8	53.2	36.9	47.8	70.3	28.9	41.2
169 Stoltze Biomass	2.80	2.80	2.80	2.70	2.20	2.20	2.20	2.20	2.20	2.30	2.30	2.80	2.80	2.80	2.50
170 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Swauk Wind	0.81	1.26	1.15	1.30	0.95	0.82	0.64	0.61	1.15	1.48	1.15	1.21	1.66	1.36	1.10
172 Thousand Springs Wind Park	2.30	3.56	3.26	3.66	2.69	2.30	1.80	1.73	3.25	4.17	3.26	3.43	4.70	3.84	3.11
173 Threemile Canyon Wind	1.90	2.93	2.69	3.02	2.22	1.90	1.48	1.43	2.68	3.44	2.69	2.83	3.88	3.17	2.57
174 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Table A-11: Regional: Renewable Resources**

**Operating Year 2021**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
175 Tuana Gulch Wind	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
176 Tuana Springs Wind	3.22	4.98	4.56	5.13	3.76	3.22	2.52	2.42	4.55	5.84	4.56	4.80	6.58	5.38	4.36
177 Two Ponds Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
178 Van Dyk's Holsteins	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
179 Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
180 Vansycle	24.5	41.5	35.9	39.9	29.5	28.5	21.6	19.2	37.4	43.4	33.1	35.5	49.1	38.4	33.9
181 Vansycle 1	5.54	12.2	9.10	9.73	7.36	9.51	6.78	4.92	10.7	9.04	6.27	7.22	10.4	6.72	8.27
182 Vansycle 2	19.0	29.3	26.8	30.2	22.1	19.0	14.8	14.2	26.8	34.4	26.8	28.3	38.7	31.6	25.7
183 Vantage Wind	17.2	26.7	24.4	27.5	20.1	17.3	13.5	13.0	24.4	31.3	24.4	25.7	35.2	28.8	23.4
184 Wheat Field	18.5	28.6	26.2	29.5	21.6	18.5	14.5	13.9	26.1	33.6	26.2	27.6	37.8	30.9	25.1
185 White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
186 White Creek	38.6	59.8	54.7	61.5	45.1	38.7	30.2	29.0	54.6	70.1	54.7	57.6	78.9	64.5	52.3
187 Wild Horse	52.3	80.9	74.1	83.3	61.1	52.4	40.9	39.4	73.9	94.9	74.1	78.0	107	87.3	70.9
188 Wild Horse Solar 1	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
189 Wild Horse Wind 1	43.8	67.8	62.0	69.7	51.2	43.8	34.3	32.9	61.9	79.5	62.1	65.3	89.5	73.2	59.3
190 Wild Horse Wind 2	8.43	13.0	11.9	13.4	9.85	8.44	6.59	6.34	11.9	15.3	11.9	12.6	17.2	14.1	11.4
191 Willow Creek	13.8	21.3	19.5	22.0	16.1	13.8	10.8	10.4	19.5	25.0	19.5	20.6	28.2	23.0	18.7
192 Windy Point Wind	76.4	118	108	122	89.3	76.5	59.8	57.4	108	139	108	114	156	128	104
193 Windy Point 1	26.2	40.5	37.1	41.7	30.6	26.2	20.5	19.7	37.0	47.5	37.1	39.0	53.5	43.7	35.5
194 Windy Point 2	38.8	60.0	54.9	61.8	45.3	38.8	30.3	29.1	54.8	70.4	54.9	57.8	79.2	64.8	52.5
195 Windy Point 2 - Phase 2	11.5	17.7	16.2	18.2	13.4	11.5	8.96	8.61	16.2	20.8	16.2	17.1	23.4	19.1	15.5
196 Wolverine Creek	12.4	19.1	17.5	19.7	14.4	12.4	9.67	9.29	17.5	22.4	17.5	18.4	25.3	20.6	16.7
197 Yahoo Creek Wind	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
198 Yamhill Solar	0.30	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.23

**Total Renewable Resources**

199 Cooperative	20.4	26.2	24.8	26.3	21.5	19.3	17.4	17.1	24.3	28.6	24.4	25.6	31.6	27.5	23.8
200 Federal Entities	51.2	87.5	69.4	57.8	41.7	47.0	31.7	27.0	64.9	67.3	52.1	62.3	83.8	55.5	56.0
201 Investor Owned Utilities	1109	1599	1464	1532	1154	1007	802	810	1390	1760	1416	1511	1970	1678	1358
202 Marketer	112	177	159	182	133	116	89.9	84.9	165	208	162	172	237	188	155
203 Municipality	255	405	354	387	284	255	199	185	363	442	344	371	507	390	336
204 Other	8.62	13.3	12.2	13.7	10.1	8.63	6.74	6.48	12.2	15.6	12.2	12.9	17.6	14.4	11.7
205 Public Utility District	136	203	182	204	156	142	122	114	190	225	179	191	251	195	177
<b>206 Total</b>	<b>1692</b>	<b>2511</b>	<b>2266</b>	<b>2403</b>	<b>1800</b>	<b>1596</b>	<b>1269</b>	<b>1244</b>	<b>2210</b>	<b>2746</b>	<b>2189</b>	<b>2346</b>	<b>3097</b>	<b>2548</b>	<b>2117</b>

**Table A-11: Regional: Renewable Resources**  
**Operating Year 2022**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Renewable Resources</b>															
1 3 Bar G Wind	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
2 American Falls Solar	14.2	14.2	12.8	8.59	4.98	2.74	3.31	5.43	10.3	11.9	11.9	14.5	16.0	16.7	10.2
3 American Falls Solar 1	7.10	7.10	6.41	4.30	2.49	1.37	1.65	2.72	5.15	5.95	5.95	7.27	8.02	8.36	5.08
4 American Falls Solar 2	7.10	7.10	6.41	4.30	2.49	1.37	1.65	2.72	5.15	5.95	5.95	7.27	8.02	8.36	5.08
5 Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
6 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0
10 Bellevue Solar (Amity, OR)	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
11 Bennett Creek Wind	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
12 Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41	0.69
13 Big Horn Wind	47.8	73.9	67.7	76.1	55.8	47.8	37.4	35.9	67.5	86.8	67.7	71.3	97.7	79.8	64.8
14 Big Horn 1	38.2	59.1	54.1	60.9	44.7	38.2	29.9	28.7	54.0	69.4	54.2	57.0	78.1	63.8	51.8
15 Big Horn 2	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
16 Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03	1.06
17 Biglow Canyon Wind	86.2	133	122	137	101	86.2	67.4	64.8	122	156	122	128	176	144	117
18 Biglow Canyon 1	24.0	37.2	34.0	38.3	28.1	24.0	18.8	18.1	33.9	43.6	34.0	35.8	49.1	40.1	32.6
19 Biglow Canyon 2	28.6	44.3	40.6	45.6	33.5	28.7	22.4	21.5	40.5	52.0	40.6	42.7	58.5	47.8	38.8
20 Biglow Canyon 3	33.5	51.8	47.4	53.3	39.1	33.5	26.2	25.2	47.3	60.8	47.5	49.9	68.4	55.9	45.4
21 Black Cap Solar Project	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
22 Boise City Solar	16.2	16.2	13.7	11.6	7.07	6.09	6.19	9.07	11.1	12.9	12.9	15.1	16.0	17.4	11.9
23 Burley Butte Wind	3.74	5.78	5.29	5.95	4.37	3.74	2.92	2.81	5.28	6.78	5.29	5.57	7.63	6.24	5.06
24 Camp Reed	4.31	6.67	6.11	6.87	5.04	4.31	3.37	3.24	6.09	7.82	6.11	6.43	8.81	7.20	5.84
25 Cassia Farms Wind	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
26 Cassia Gulch Wind	3.62	5.60	5.13	5.77	4.23	3.62	2.83	2.72	5.12	6.57	5.13	5.40	7.40	6.05	4.91
27 Cedar Hills Landfill	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
28 Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36
29 Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38
30 Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98
31 Cold Springs	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
32 Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
33 Combine Hills	19.9	30.8	28.2	31.7	23.3	19.9	15.6	15.0	28.2	36.2	28.2	29.7	40.7	33.3	27.0
34 Combine Hills 2	12.1	18.7	17.1	19.2	14.1	12.1	9.44	9.07	17.1	21.9	17.1	18.0	24.7	20.2	16.4
35 Combine Hills 1	7.86	12.2	11.1	12.5	9.18	7.86	6.14	5.91	11.1	14.3	11.1	11.7	16.1	13.1	10.6
36 Condon	5.92	11.5	9.57	10.9	9.77	13.8	7.23	7.13	13.0	10.7	8.60	8.68	10.3	6.85	9.65
37 Condon 1	2.92	5.68	4.73	5.36	4.82	6.81	3.57	3.52	6.40	5.27	4.25	4.29	5.08	3.39	4.77
38 Condon 2	2.99	5.81	4.84	5.49	4.94	6.98	3.66	3.61	6.56	5.40	4.35	4.39	5.20	3.47	4.88
39 DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
40 Desert Meadow Windfarm	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
41 Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
42 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
44 Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10	1.26
45 Echo Wind Farm	12.4	19.1	17.5	19.7	14.4	12.4	9.67	9.30	17.5	22.4	17.5	18.4	25.3	20.7	16.8
46 Echo Wind 1	8.54	13.2	12.1	13.6	9.97	8.54	6.68	6.42	12.1	15.5	12.1	12.7	17.4	14.3	11.6
47 Echo Wind 2	3.83	5.93	5.43	6.10	4.48	3.83	3.00	2.88	5.41	6.95	5.43	5.71	7.83	6.40	5.19
48 Edaleen Cow Power	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
49 Elkhorn Valley Wind Project	19.3	29.8	27.3	30.7	22.5	19.3	15.1	14.5	27.2	35.0	27.3	28.8	39.4	32.2	26.1
50 Farm Power Lynden	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
51 Farm Power Misty Meadow	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
52 Farm Power Rexville	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
53 Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
54 Fighting Creek Landfill	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
55 Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
56 Flathead County Landfill	1.48	1.48	1.43	1.18	1.34	1.34	1.35	1.33	1.34	1.43	1.43	1.41	1.48	1.48	1.38
57 Foote Creek 1	7.93	12.3	11.2	12.6	9.27	7.94	6.20	5.96	11.2	14.4	11.2	11.8	16.2	13.2	10.7

**Table A-11: Regional: Renewable Resources**

**Operating Year 2022**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Foote Creek 2	0.35	0.53	0.49	0.55	0.40	0.35	0.27	0.26	0.49	0.63	0.49	0.51	0.71	0.58	0.47
59 Foote Creek 4	3.22	4.98	4.56	5.13	3.76	3.22	2.52	2.42	4.55	5.84	4.56	4.80	6.58	5.38	4.36
60 Forest Glen Oaks Dairy	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
61 Fossil Gulch Wind Project	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
62 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Golden Valley Wind	2.30	3.56	3.26	3.66	2.69	2.30	1.80	1.73	3.25	4.17	3.26	3.43	4.70	3.84	3.11
64 Goodnoe Hills	18.0	27.9	25.5	28.7	21.0	18.0	14.1	13.5	25.4	32.7	25.5	26.9	36.8	30.1	24.4
65 Goshen North (Ridgeline)	23.9	36.9	33.8	38.0	27.9	23.9	18.7	17.9	33.7	43.3	33.8	35.6	48.7	39.8	32.3
66 Grand View Solar	32.8	32.8	26.2	19.2	10.6	7.17	7.47	15.4	21.4	27.1	27.1	30.7	34.4	33.9	22.2
67 Grand View Solar 1	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
68 Grand View Solar 2	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
69 Grand View Solar 3	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
70 Grand View Solar 4	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
71 Grayland	1.15	1.78	1.63	1.83	1.34	1.15	0.90	0.86	1.62	2.09	1.63	1.71	2.35	1.92	1.56
72 H.W. Hill Landfill Gas (Roosevelt)	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
73 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 HW Hill Landfill Gas 2	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
75 Hammett Hill	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
76 Harvest	19.0	29.3	26.8	30.2	22.1	19.0	14.8	14.2	26.8	34.4	26.8	28.3	38.7	31.6	25.7
77 Hay Canyon Wind	19.3	29.9	27.4	30.8	22.6	19.3	15.1	14.5	27.3	35.1	27.4	28.8	39.5	32.3	26.2
78 Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
80 High Mesa Wind	7.65	11.8	10.8	12.2	8.93	7.65	5.98	5.75	10.8	13.9	10.8	11.4	15.6	12.8	10.4
81 Hopkins Ridge	30.0	46.4	42.5	47.8	35.1	30.0	23.5	22.6	42.4	54.5	42.5	44.7	61.3	50.1	40.7
82 Hopkins Ridge 2	1.38	2.13	1.95	2.20	1.61	1.38	1.08	1.04	1.95	2.50	1.95	2.06	2.82	2.30	1.87
83 Hopkins Ridge I	28.6	44.3	40.6	45.6	33.4	28.6	22.4	21.5	40.4	51.9	40.6	42.7	58.5	47.8	38.8
84 Horse Butte Wind	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	15.0
85 Horseshoe Bend Wind Project	1.73	2.67	2.44	2.75	2.02	1.73	1.35	1.30	2.44	3.13	2.44	2.57	3.52	2.88	2.34
86 Hot Springs Wind	3.79	5.87	5.37	6.04	4.43	3.80	2.97	2.85	5.36	6.89	5.38	5.66	7.75	6.34	5.14
87 Industrial Finishes	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
88 JC-Biomethane	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
89 Josef Stauffer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Juniper Canyon	29.0	44.8	41.0	46.1	33.8	29.0	22.7	21.8	40.9	52.6	41.0	43.2	59.2	48.4	39.2
91 Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	34.7	23.1	46.3	43.4
92 King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
93 Kittitas Valley Wind	19.3	29.9	27.4	30.8	22.6	19.3	15.1	14.5	27.3	35.1	27.4	28.8	39.5	32.3	26.2
94 Klondike 1	7.55	10.5	9.35	6.35	4.54	4.14	3.30	3.27	6.06	7.95	6.74	8.19	10.4	9.47	6.81
95 Klondike 2	23.6	32.7	29.2	19.8	14.2	12.9	10.3	10.2	18.9	24.8	21.1	25.6	32.5	29.6	21.3
96 Klondike 3	70.4	97.7	87.2	59.2	42.4	38.6	30.8	30.4	56.5	74.2	62.9	76.4	97.1	88.3	63.5
97 Klondike 3a	24.1	33.4	29.8	20.2	14.5	13.2	10.5	10.4	19.3	25.3	21.5	26.1	33.2	30.2	21.7
98 Knudson Wind	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
99 Lakeview Solar	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
100 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 Lakeview Solar 500	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
102 Leaning Juniper	57.8	89.4	81.9	92.1	67.6	57.9	45.2	43.5	81.7	105	81.9	86.2	118	96.6	78.3
103 Leaning Juniper 1	19.3	29.8	27.3	30.7	22.5	19.3	15.1	14.5	27.2	34.9	27.3	28.7	39.3	32.2	26.1
104 Leaning Juniper 2a	17.3	26.8	24.5	27.6	20.2	17.3	13.5	13.0	24.4	31.4	24.5	25.8	35.4	28.9	23.4
105 Leaning Juniper 2b	21.3	32.9	30.1	33.9	24.8	21.3	16.6	16.0	30.0	38.6	30.1	31.7	43.5	35.5	28.8
106 Lewandowski Farms	0.11	0.10	0.08	0.08	0.08	0.06	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
107 Lime Wind	0.58	0.89	0.81	0.92	0.67	0.58	0.45	0.43	0.81	1.04	0.81	0.86	1.18	0.96	0.78
108 Linden Ranch	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
109 Livingston	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
110 Lower Snake Wind	119	189	176	178	140	121	88.9	90.2	158	215	164	178	239	196	159
111 Lower Snake Wind 1	65.7	102	93.0	105	76.7	65.7	51.4	49.4	92.8	119	93.0	97.9	134	110	89.0
112 Tucannon River Wind	53.7	87.1	83.0	73.0	63.3	55.1	37.5	40.8	65.4	95.9	71.5	79.8	105	86.1	70.4
113 LRI/Graham Landfill - BioFuels	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28
114 Mainline Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
115 Marengo Wind	40.4	62.4	57.2	64.3	47.1	40.4	31.6	30.3	57.0	73.2	57.2	60.2	82.5	67.4	54.7
116 Marengo Wind 1	26.9	41.6	38.1	42.8	31.4	26.9	21.0	20.2	38.0	48.8	38.1	40.1	55.0	44.9	36.4

**Table A-11: Regional: Renewable Resources**

**Operating Year 2022**

**2015 White Book** Report Date: **6/30/2015** *Continued*

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
117 Marengo Wind 2	13.5	20.8	19.1	21.4	15.7	13.5	10.5	10.1	19.0	24.4	19.1	20.1	27.5	22.5	18.2
118 Meadow Creek Wind	22.9	35.5	32.5	36.5	26.8	22.9	17.9	17.2	32.4	41.6	32.5	34.2	46.9	38.3	31.1
119 Five Pine Wind	7.65	11.8	10.8	12.2	8.93	7.65	5.98	5.75	10.8	13.9	10.8	11.4	15.6	12.8	10.4
120 North Point Wind	15.3	23.7	21.7	24.3	17.9	15.3	12.0	11.5	21.6	27.7	21.7	22.8	31.2	25.5	20.7
121 Milner Dam Wind Farm	3.74	5.78	5.29	5.95	4.37	3.74	2.92	2.81	5.28	6.78	5.29	5.57	7.63	6.24	5.06
122 Murphy Flat Solar Power	7.70	7.70	6.43	4.50	2.40	1.75	2.05	3.57	5.12	6.58	6.58	7.25	8.05	8.37	5.32
123 Neal Hot Springs	22.0	22.0	22.0	22.0	22.0	22.0	10.5	22.0	22.0	22.0	22.0	22.0	22.0	21.3	21.0
124 Nine Canyon Wind	18.6	34.7	26.0	30.7	22.3	24.4	24.6	19.6	33.9	30.3	21.9	26.8	36.0	15.0	26.1
125 Nine Canyon Wind 1	9.32	17.4	13.1	15.4	11.2	12.2	12.3	9.81	17.0	15.2	11.0	13.4	18.1	7.53	13.1
126 Nine Canyon Wind 2	3.01	5.62	4.21	4.98	3.61	3.95	3.98	3.17	5.50	4.91	3.54	4.34	5.83	2.43	4.22
127 Nine Canyon Wind 3	6.24	11.7	8.74	10.3	7.48	8.19	8.25	6.57	11.4	10.2	7.35	9.00	12.1	5.04	8.75
128 Orchard Ranch Solar	7.96	7.96	6.25	4.46	2.58	1.71	2.25	4.04	4.96	6.50	6.50	7.21	8.33	8.29	5.38
129 Oregon Trail Wind	2.59	4.00	3.66	4.12	3.02	2.59	2.02	1.94	3.65	4.69	3.67	3.86	5.29	4.32	3.50
130 Outback Solar	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
131 Paisley Geothermal	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
132 Palouse Wind	20.0	30.9	28.3	31.9	23.4	20.0	15.6	15.0	28.3	36.3	28.3	29.8	40.9	33.4	27.1
133 PaTu Wind	1.73	2.67	2.44	2.75	2.02	1.73	1.35	1.30	2.44	3.13	2.44	2.57	3.52	2.88	2.34
134 Paynes Ferry Wind Park	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
135 Pebble Springs Wind	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
136 Pepsi-Cola Solar	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
137 Pepsi-Cola Eugene Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Pepsi-Cola Klamath Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Pilgrim Stage Station Wind Park	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
141 Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
142 Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
143 Power County Wind	8.62	13.3	12.2	13.7	10.1	8.63	6.74	6.48	12.2	15.6	12.2	12.9	17.6	14.4	11.7
144 Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
145 Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
146 Raft River Geothermal	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30	8.64
147 Raft River Geothermal 1	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30	8.64
148 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Rainier Biogas	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
151 Rattlesnake Road Wind Farm	19.7	30.5	27.9	31.4	23.0	19.7	15.4	14.8	27.9	35.8	27.9	29.4	40.3	32.9	26.7
152 River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
153 Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154 Rock River Wind	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
155 Rockland wind	15.2	23.5	21.5	24.2	17.7	15.2	11.9	11.4	21.4	27.5	21.5	22.6	31.0	25.3	20.6
156 Ryegrass Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
157 Salmon Falls	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
158 Sawtooth	4.29	6.64	6.08	6.83	5.01	4.29	3.36	3.23	6.06	7.79	6.08	6.40	8.77	7.17	5.81
159 Shepherds Flat	162	250	229	258	189	162	127	122	229	294	229	241	331	270	219
160 Shepherds Flat - Central	55.6	85.9	78.7	88.5	64.9	55.6	43.5	41.8	78.5	101	78.7	82.8	114	92.8	75.3
161 Shepherds Flat - North	50.8	78.5	71.9	80.9	59.3	50.8	39.7	38.2	71.7	92.1	71.9	75.7	104	84.8	68.8
162 Shepherds Flat - South	55.6	85.9	78.7	88.5	64.9	55.6	43.5	41.8	78.5	101	78.7	82.8	114	92.8	75.3
163 Short Mountain	2.30	2.30	2.40	2.60	2.80	3.00	3.10	3.00	3.00	3.10	3.10	3.00	2.20	2.30	2.73
164 Simco Solar	7.98	7.98	6.28	4.50	2.61	1.73	2.27	4.09	4.97	6.10	6.10	7.24	8.34	8.30	5.37
165 Star Point Wind	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
166 Stateline	52.7	114	74.2	75.5	48.3	58.4	39.9	25.4	96.8	89.2	61.8	80.0	118	48.4	68.9
167 Stateline-OR	21.3	45.9	29.9	30.4	19.5	23.5	16.1	10.2	39.0	36.0	24.9	32.3	47.5	19.5	27.8
168 Stateline-WA	31.5	68.0	44.3	45.1	28.8	34.8	23.8	15.1	57.8	53.2	36.9	47.8	70.3	28.9	41.2
169 Stoltze Biomass	2.80	2.80	2.80	2.70	2.20	2.20	2.20	2.20	2.20	2.30	2.30	2.80	2.80	2.80	2.50
170 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Swauk Wind	0.81	1.26	1.15	1.30	0.95	0.82	0.64	0.61	1.15	1.48	1.15	1.21	1.66	1.36	1.10
172 Thousand Springs Wind Park	2.30	3.56	3.26	3.66	2.69	2.30	1.80	1.73	3.25	4.17	3.26	3.43	4.70	3.84	3.11
173 Threemile Canyon Wind	1.90	2.93	2.69	3.02	2.22	1.90	1.48	1.43	2.68	3.44	2.69	2.83	3.88	3.17	2.57
174 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



**Table A-11: Regional: Renewable Resources**

**Operating Year 2022**

**2015 White Book** Report Date: **6/30/2015** *Continued*

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
175 Tuana Gulch Wind	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
176 Tuana Springs Wind	3.22	4.98	4.56	5.13	3.76	3.22	2.52	2.42	4.55	5.84	4.56	4.80	6.58	5.38	4.36
177 Two Ponds Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
178 Van Dyk's Holsteins	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
179 Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
180 Vansycle	24.5	41.5	35.9	39.9	29.5	28.5	21.6	19.2	37.4	43.4	33.1	35.5	49.1	38.4	33.9
181 Vansycle 1	5.54	12.2	9.10	9.73	7.36	9.51	6.78	4.92	10.7	9.04	6.27	7.22	10.4	6.72	8.27
182 Vansycle 2	19.0	29.3	26.8	30.2	22.1	19.0	14.8	14.2	26.8	34.4	26.8	28.3	38.7	31.6	25.7
183 Vantage Wind	17.2	26.7	24.4	27.5	20.1	17.3	13.5	13.0	24.4	31.3	24.4	25.7	35.2	28.8	23.4
184 Wheat Field	18.5	28.6	26.2	29.5	21.6	18.5	14.5	13.9	26.1	33.6	26.2	27.6	37.8	30.9	25.1
185 White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
186 White Creek	38.6	59.8	54.7	61.5	45.1	38.7	30.2	29.0	54.6	70.1	54.7	57.6	78.9	64.5	52.3
187 Wild Horse	52.3	80.9	74.1	83.3	61.1	52.4	40.9	39.4	73.9	94.9	74.1	78.0	107	87.3	70.9
188 Wild Horse Solar 1	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
189 Wild Horse Wind 1	43.8	67.8	62.0	69.7	51.2	43.8	34.3	32.9	61.9	79.5	62.1	65.3	89.5	73.2	59.3
190 Wild Horse Wind 2	8.43	13.0	11.9	13.4	9.85	8.44	6.59	6.34	11.9	15.3	11.9	12.6	17.2	14.1	11.4
191 Willow Creek	13.8	21.3	19.5	22.0	16.1	13.8	10.8	10.4	19.5	25.0	19.5	20.6	28.2	23.0	18.7
192 Windy Point Wind	76.4	118	108	122	89.3	76.5	59.8	57.4	108	139	108	114	156	128	104
193 Windy Point 1	26.2	40.5	37.1	41.7	30.6	26.2	20.5	19.7	37.0	47.5	37.1	39.0	53.5	43.7	35.5
194 Windy Point 2	38.8	60.0	54.9	61.8	45.3	38.8	30.3	29.1	54.8	70.4	54.9	57.8	79.2	64.8	52.5
195 Windy Point 2 - Phase 2	11.5	17.7	16.2	18.2	13.4	11.5	8.96	8.61	16.2	20.8	16.2	17.1	23.4	19.1	15.5
196 Wolverine Creek	12.4	19.1	17.5	19.7	14.4	12.4	9.67	9.29	17.5	22.4	17.5	18.4	25.3	20.6	16.7
197 Yahoo Creek Wind	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
198 Yamhill Solar	0.30	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.23

**Total Renewable Resources**

199 Cooperative	20.4	26.2	24.8	26.3	21.5	19.3	17.4	17.1	24.3	28.6	24.4	25.6	31.6	27.5	23.8
200 Federal Entities	48.0	82.5	64.8	57.8	41.7	47.0	31.7	27.0	64.9	67.3	52.1	62.3	83.8	55.5	55.3
201 Investor Owned Utilities	1109	1599	1464	1532	1154	1007	802	810	1390	1760	1416	1500	1970	1678	1357
202 Marketer	115	182	163	182	133	116	89.9	84.9	165	208	162	172	237	188	156
203 Municipality	255	405	354	387	284	255	199	185	363	442	344	371	507	390	336
204 Other	8.62	13.3	12.2	13.7	10.1	8.63	6.74	6.48	12.2	15.6	12.2	12.9	17.6	14.4	11.7
205 Public Utility District	136	203	182	204	156	142	122	114	190	225	179	191	251	195	177
<b>206 Total</b>	<b>1692</b>	<b>2511</b>	<b>2266</b>	<b>2403</b>	<b>1800</b>	<b>1596</b>	<b>1269</b>	<b>1244</b>	<b>2210</b>	<b>2746</b>	<b>2189</b>	<b>2334</b>	<b>3097</b>	<b>2548</b>	<b>2116</b>

**Table A-11: Regional: Renewable Resources**

**Operating Year 2023**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Renewable Resources</b>															
1 3 Bar G Wind	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
2 American Falls Solar	14.2	14.2	12.8	8.59	4.98	2.74	3.31	5.43	10.3	11.9	11.9	14.5	16.0	16.7	10.2
3 American Falls Solar 1	7.10	7.10	6.41	4.30	2.49	1.37	1.65	2.72	5.15	5.95	5.95	7.27	8.02	8.36	5.08
4 American Falls Solar 2	7.10	7.10	6.41	4.30	2.49	1.37	1.65	2.72	5.15	5.95	5.95	7.27	8.02	8.36	5.08
5 Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
6 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0
10 Bellevue Solar (Amity, OR)	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
11 Bennett Creek Wind	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
12 Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41	0.69
13 Big Horn Wind	47.8	73.9	67.7	76.1	55.8	47.8	37.4	35.9	67.5	86.8	67.7	71.3	97.7	79.8	64.8
14 Big Horn 1	38.2	59.1	54.1	60.9	44.7	38.2	29.9	28.7	54.0	69.4	54.2	57.0	78.1	63.8	51.8
15 Big Horn 2	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
16 Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03	1.06
17 Biglow Canyon Wind	86.2	133	122	137	101	86.2	67.4	64.8	122	156	122	128	176	144	117
18 Biglow Canyon 1	24.0	37.2	34.0	38.3	28.1	24.0	18.8	18.1	33.9	43.6	34.0	35.8	49.1	40.1	32.6
19 Biglow Canyon 2	28.6	44.3	40.6	45.6	33.5	28.7	22.4	21.5	40.5	52.0	40.6	42.7	58.5	47.8	38.8
20 Biglow Canyon 3	33.5	51.8	47.4	53.3	39.1	33.5	26.2	25.2	47.3	60.8	47.5	49.9	68.4	55.9	45.4
21 Black Cap Solar Project	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
22 Boise City Solar	16.2	16.2	13.7	11.6	7.07	6.09	6.19	9.07	11.1	12.9	12.9	15.1	16.0	17.4	11.9
23 Burley Butte Wind	3.74	5.78	5.29	5.95	4.37	3.74	2.92	2.81	5.28	6.78	5.29	5.57	7.63	6.24	5.06
24 Camp Reed	4.31	6.67	6.11	6.87	5.04	4.31	3.37	3.24	6.09	7.82	6.11	6.43	8.81	7.20	5.84
25 Cassia Farms Wind	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
26 Cassia Gulch Wind	3.62	5.60	5.13	5.77	4.23	3.62	2.83	2.72	5.12	6.57	5.13	5.40	7.40	6.05	4.91
27 Cedar Hills Landfill	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
28 Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36
29 Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38
30 Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98
31 Cold Springs	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
32 Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
33 Combine Hills	19.9	30.8	28.2	31.7	23.3	19.9	15.6	15.0	28.2	36.2	28.2	29.7	40.7	33.3	27.0
34 Combine Hills 2	12.1	18.7	17.1	19.2	14.1	12.1	9.44	9.07	17.1	21.9	17.1	18.0	24.7	20.2	16.4
35 Combine Hills 1	7.86	12.2	11.1	12.5	9.18	7.86	6.14	5.91	11.1	14.3	11.1	11.7	16.1	13.1	10.6
36 Condon	5.92	11.5	9.57	10.9	9.77	13.8	7.23	7.13	13.0	10.7	8.60	8.68	10.3	6.85	9.65
37 Condon 1	2.92	5.68	4.73	5.36	4.82	6.81	3.57	3.52	6.40	5.27	4.25	4.29	5.08	3.39	4.77
38 Condon 2	2.99	5.81	4.84	5.49	4.94	6.98	3.66	3.61	6.56	5.40	4.35	4.39	5.20	3.47	4.88
39 DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
40 Desert Meadow Windfarm	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
41 Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
42 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
44 Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10	1.26
45 Echo Wind Farm	12.4	19.1	17.5	19.7	14.4	12.4	9.67	9.30	17.5	22.4	17.5	18.4	25.3	20.7	16.8
46 Echo Wind 1	8.54	13.2	12.1	13.6	9.97	8.54	6.68	6.42	12.1	15.5	12.1	12.7	17.4	14.3	11.6
47 Echo Wind 2	3.83	5.93	5.43	6.10	4.48	3.83	3.00	2.88	5.41	6.95	5.43	5.71	7.83	6.40	5.19
48 Edaleen Cow Power	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
49 Elkhorn Valley Wind Project	19.3	29.8	27.3	30.7	22.5	19.3	15.1	14.5	27.2	35.0	27.3	28.8	39.4	32.2	26.1
50 Farm Power Lynden	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
51 Farm Power Misty Meadow	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
52 Farm Power Rexville	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
53 Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
54 Fighting Creek Landfill	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
55 Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
56 Flathead County Landfill	1.48	1.48	1.43	0.87	1.34	1.35	1.34	1.33	1.35	1.41	1.41	1.41	1.50	1.48	1.36
57 Foote Creek 1	7.93	12.3	11.2	12.6	9.27	7.94	6.20	5.96	11.2	14.4	11.2	11.8	16.2	13.2	10.7



**Table A-11: Regional: Renewable Resources**

**Operating Year 2023**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Foote Creek 2	0.35	0.53	0.49	0.55	0.40	0.35	0.27	0.26	0.49	0.63	0.49	0.51	0.71	0.58	0.47
59 Foote Creek 4	3.22	4.98	4.56	5.13	3.76	3.22	2.52	2.42	4.55	5.84	4.56	4.80	6.58	5.38	4.36
60 Forest Glen Oaks Dairy	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
61 Fossil Gulch Wind Project	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
62 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Golden Valley Wind	2.30	3.56	3.26	3.66	2.69	2.30	1.80	1.73	3.25	4.17	3.26	3.43	4.70	3.84	3.11
64 Goodnoe Hills	18.0	27.9	25.5	28.7	21.0	18.0	14.1	13.5	25.4	32.7	25.5	26.9	36.8	30.1	24.4
65 Goshen North (Ridgeline)	23.9	36.9	33.8	38.0	27.9	23.9	18.7	17.9	33.7	43.3	33.8	35.6	48.7	39.8	32.3
66 Grand View Solar	32.8	32.8	26.2	19.2	10.6	7.17	7.47	15.4	21.4	27.1	27.1	30.7	34.4	33.9	22.2
67 Grand View Solar 1	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
68 Grand View Solar 2	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
69 Grand View Solar 3	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
70 Grand View Solar 4	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
71 Grayland	1.15	1.78	1.63	1.83	1.34	1.15	0.90	0.86	1.62	2.09	1.63	1.71	2.35	1.92	1.56
72 H.W. Hill Landfill Gas (Roosevelt)	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
73 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 HW Hill Landfill Gas 2	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
75 Hammett Hill	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
76 Harvest	19.0	29.3	26.8	30.2	22.1	19.0	14.8	14.2	26.8	34.4	26.8	28.3	38.7	31.6	25.7
77 Hay Canyon Wind	19.3	29.9	27.4	30.8	22.6	19.3	15.1	14.5	27.3	35.1	27.4	28.8	39.5	32.3	26.2
78 Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
80 High Mesa Wind	7.65	11.8	10.8	12.2	8.93	7.65	5.98	5.75	10.8	13.9	10.8	11.4	15.6	12.8	10.4
81 Hopkins Ridge	30.0	46.4	42.5	47.8	35.1	30.0	23.5	22.6	42.4	54.5	42.5	44.7	61.3	50.1	40.7
82 Hopkins Ridge 2	1.38	2.13	1.95	2.20	1.61	1.38	1.08	1.04	1.95	2.50	1.95	2.06	2.82	2.30	1.87
83 Hopkins Ridge I	28.6	44.3	40.6	45.6	33.4	28.6	22.4	21.5	40.4	51.9	40.6	42.7	58.5	47.8	38.8
84 Horse Butte Wind	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	15.0
85 Horseshoe Bend Wind Project	1.73	2.67	2.44	2.75	2.02	1.73	1.35	1.30	2.44	3.13	2.44	2.57	3.52	2.88	2.34
86 Hot Springs Wind	3.79	5.87	5.37	6.04	4.43	3.80	2.97	2.85	5.36	6.89	5.38	5.66	7.75	6.34	5.14
87 Industrial Finishes	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
88 JC-Biomethane	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
89 Josef Stauffer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Juniper Canyon	29.0	44.8	41.0	46.1	33.8	29.0	22.7	21.8	40.9	52.6	41.0	43.2	59.2	48.4	39.2
91 Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	34.7	23.1	46.3	43.4
92 King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
93 Kittitas Valley Wind	19.3	29.9	27.4	30.8	22.6	19.3	15.1	14.5	27.3	35.1	27.4	28.8	39.5	32.3	26.2
94 Klondike 1	7.55	10.5	9.35	6.35	4.54	4.14	3.30	3.27	6.06	7.95	6.74	8.19	10.4	9.47	6.81
95 Klondike 2	23.6	32.7	29.2	19.8	14.2	12.9	10.3	10.2	18.9	24.8	21.1	25.6	32.5	29.6	21.3
96 Klondike 3	70.4	97.7	87.2	59.2	42.4	38.6	30.8	30.4	56.5	74.2	62.9	76.4	97.1	88.3	63.5
97 Klondike 3a	24.1	33.4	29.8	20.2	14.5	13.2	10.5	10.4	19.3	25.3	21.5	26.1	33.2	30.2	21.7
98 Knudson Wind	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
99 Lakeview Solar	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
100 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 Lakeview Solar 500	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
102 Leaning Juniper	57.8	89.4	81.9	92.1	67.6	57.9	45.2	43.5	81.7	105	81.9	86.2	118	96.6	78.3
103 Leaning Juniper 1	19.3	29.8	27.3	30.7	22.5	19.3	15.1	14.5	27.2	34.9	27.3	28.7	39.3	32.2	26.1
104 Leaning Juniper 2a	17.3	26.8	24.5	27.6	20.2	17.3	13.5	13.0	24.4	31.4	24.5	25.8	35.4	28.9	23.4
105 Leaning Juniper 2b	21.3	32.9	30.1	33.9	24.8	21.3	16.6	16.0	30.0	38.6	30.1	31.7	43.5	35.5	28.8
106 Lewandowski Farms	0.11	0.10	0.08	0.08	0.08	0.06	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
107 Lime Wind	0.58	0.89	0.81	0.92	0.67	0.58	0.45	0.43	0.81	1.04	0.81	0.86	1.18	0.96	0.78
108 Linden Ranch	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
109 Livingston	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
110 Lower Snake Wind	119	189	176	178	140	121	88.9	90.2	158	215	164	178	239	196	159
111 Lower Snake Wind 1	65.7	102	93.0	105	76.7	65.7	51.4	49.4	92.8	119	93.0	97.9	134	110	89.0
112 Tucannon River Wind	53.7	87.1	83.0	73.0	63.3	55.1	37.5	40.8	65.4	95.9	71.5	79.8	105	86.1	70.4
113 LRI/Graham Landfill - BioFuels	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28
114 Mainline Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
115 Marengo Wind	40.4	62.4	57.2	64.3	47.1	40.4	31.6	30.3	57.0	73.2	57.2	60.2	82.5	67.4	54.7
116 Marengo Wind 1	26.9	41.6	38.1	42.8	31.4	26.9	21.0	20.2	38.0	48.8	38.1	40.1	55.0	44.9	36.4

**Table A-11: Regional: Renewable Resources**

**Operating Year 2023**

**2015 White Book Report Date: 6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
117 Marengo Wind 2	13.5	20.8	19.1	21.4	15.7	13.5	10.5	10.1	19.0	24.4	19.1	20.1	27.5	22.5	18.2
118 Meadow Creek Wind	22.9	35.5	32.5	36.5	26.8	22.9	17.9	17.2	32.4	41.6	32.5	34.2	46.9	38.3	31.1
119 Five Pine Wind	7.65	11.8	10.8	12.2	8.93	7.65	5.98	5.75	10.8	13.9	10.8	11.4	15.6	12.8	10.4
120 North Point Wind	15.3	23.7	21.7	24.3	17.9	15.3	12.0	11.5	21.6	27.7	21.7	22.8	31.2	25.5	20.7
121 Milner Dam Wind Farm	3.74	5.78	5.29	5.95	4.37	3.74	2.92	2.81	5.28	6.78	5.29	5.57	7.63	6.24	5.06
122 Murphy Flat Solar Power	7.70	7.70	6.43	4.50	2.40	1.75	2.05	3.57	5.12	6.58	6.58	7.25	8.05	8.37	5.32
123 Neal Hot Springs	22.0	22.0	22.0	22.0	22.0	22.0	10.5	22.0	22.0	22.0	22.0	22.0	22.0	21.3	21.0
124 Nine Canyon Wind	18.6	34.7	26.0	30.7	22.3	24.4	24.6	19.6	33.9	30.3	21.9	26.8	36.0	15.0	26.1
125 Nine Canyon Wind 1	9.32	17.4	13.1	15.4	11.2	12.2	12.3	9.81	17.0	15.2	11.0	13.4	18.1	7.53	13.1
126 Nine Canyon Wind 2	3.01	5.62	4.21	4.98	3.61	3.95	3.98	3.17	5.50	4.91	3.54	4.34	5.83	2.43	4.22
127 Nine Canyon Wind 3	6.24	11.7	8.74	10.3	7.48	8.19	8.25	6.57	11.4	10.2	7.35	9.00	12.1	5.04	8.75
128 Orchard Ranch Solar	7.96	7.96	6.25	4.46	2.58	1.71	2.25	4.04	4.96	6.50	6.50	7.21	8.33	8.29	5.38
129 Oregon Trail Wind	2.59	4.00	3.66	4.12	3.02	2.59	2.02	1.94	3.65	4.69	3.67	3.86	5.29	4.32	3.50
130 Outback Solar	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
131 Paisley Geothermal	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
132 Palouse Wind	20.0	30.9	28.3	31.9	23.4	20.0	15.6	15.0	28.3	36.3	28.3	29.8	40.9	33.4	27.1
133 PaTu Wind	1.73	2.67	2.44	2.75	2.02	1.73	1.35	1.30	2.44	3.13	2.44	2.57	3.52	2.88	2.34
134 Paynes Ferry Wind Park	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
135 Pebble Springs Wind	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
136 Pepsi-Cola Solar	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
137 Pepsi-Cola Eugene Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Pepsi-Cola Klamath Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Pilgrim Stage Station Wind Park	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
141 Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
142 Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
143 Power County Wind	8.62	13.3	12.2	13.7	10.1	8.63	6.74	6.48	12.2	15.6	12.2	12.9	17.6	14.4	11.7
144 Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
145 Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
146 Raft River Geothermal	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30	8.64
147 Raft River Geothermal 1	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30	8.64
148 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Rainier Biogas	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
151 Rattlesnake Road Wind Farm	19.7	30.5	27.9	31.4	23.0	19.7	15.4	14.8	27.9	35.8	27.9	29.4	40.3	32.9	26.7
152 River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
153 Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154 Rock River Wind	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
155 Rockland wind	15.2	23.5	21.5	24.2	17.7	15.2	11.9	11.4	21.4	27.5	21.5	22.6	31.0	25.3	20.6
156 Ryegrass Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
157 Salmon Falls	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
158 Sawtooth	4.29	6.64	6.08	6.83	5.01	4.29	3.36	3.23	6.06	7.79	6.08	6.40	8.77	7.17	5.81
159 Shepherds Flat	162	250	229	258	189	162	127	122	229	294	229	241	331	270	219
160 Shepherds Flat - Central	55.6	85.9	78.7	88.5	64.9	55.6	43.5	41.8	78.5	101	78.7	82.8	114	92.8	75.3
161 Shepherds Flat - North	50.8	78.5	71.9	80.9	59.3	50.8	39.7	38.2	71.7	92.1	71.9	75.7	104	84.8	68.8
162 Shepherds Flat - South	55.6	85.9	78.7	88.5	64.9	55.6	43.5	41.8	78.5	101	78.7	82.8	114	92.8	75.3
163 Short Mountain	2.30	2.30	2.40	2.60	2.80	3.00	3.10	3.00	3.00	3.10	3.10	3.00	2.20	2.30	2.73
164 Simco Solar	7.98	7.98	6.28	4.50	2.61	1.73	2.27	4.09	4.97	6.10	6.10	7.24	8.34	8.30	5.37
165 Star Point Wind	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
166 Stateline	52.7	114	74.2	75.5	48.3	58.4	39.9	25.4	96.8	89.2	61.8	80.0	118	48.4	68.9
167 Stateline-OR	21.3	45.9	29.9	30.4	19.5	23.5	16.1	10.2	39.0	36.0	24.9	32.3	47.5	19.5	27.8
168 Stateline-WA	31.5	68.0	44.3	45.1	28.8	34.8	23.8	15.1	57.8	53.2	36.9	47.8	70.3	28.9	41.2
169 Stoltze Biomass	2.80	2.80	2.80	2.70	2.20	2.20	2.20	2.20	2.20	2.30	2.30	2.80	2.80	2.80	2.50
170 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Swauk Wind	0.81	1.26	1.15	1.30	0.95	0.82	0.64	0.61	1.15	1.48	1.15	1.21	1.66	1.36	1.10
172 Thousand Springs Wind Park	2.30	3.56	3.26	3.66	2.69	2.30	1.80	1.73	3.25	4.17	3.26	3.43	4.70	3.84	3.11
173 Threemile Canyon Wind	1.90	2.93	2.69	3.02	2.22	1.90	1.48	1.43	2.68	3.44	2.69	2.83	3.88	3.17	2.57
174 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Table A-11: Regional: Renewable Resources**

**Operating Year 2023**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
175 Tuana Gulch Wind	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
176 Tuana Springs Wind	3.22	4.98	4.56	5.13	3.76	3.22	2.52	2.42	4.55	5.84	4.56	4.80	6.58	5.38	4.36
177 Two Ponds Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
178 Van Dyk's Holsteins	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
179 Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
180 Vansycle	24.5	41.5	35.9	39.9	29.5	28.5	21.6	19.2	37.4	43.4	33.1	35.5	49.1	38.4	33.9
181 Vansycle 1	5.54	12.2	9.10	9.73	7.36	9.51	6.78	4.92	10.7	9.04	6.27	7.22	10.4	6.72	8.27
182 Vansycle 2	19.0	29.3	26.8	30.2	22.1	19.0	14.8	14.2	26.8	34.4	26.8	28.3	38.7	31.6	25.7
183 Vantage Wind	17.2	26.7	24.4	27.5	20.1	17.3	13.5	13.0	24.4	31.3	24.4	25.7	35.2	28.8	23.4
184 Wheat Field	18.5	28.6	26.2	29.5	21.6	18.5	14.5	13.9	26.1	33.6	26.2	27.6	37.8	30.9	25.1
185 White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
186 White Creek	38.6	59.8	54.7	61.5	45.1	38.7	30.2	29.0	54.6	70.1	54.7	57.6	78.9	64.5	52.3
187 Wild Horse	52.3	80.9	74.1	83.3	61.1	52.4	40.9	39.4	73.9	94.9	74.1	78.0	107	87.3	70.9
188 Wild Horse Solar 1	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
189 Wild Horse Wind 1	43.8	67.8	62.0	69.7	51.2	43.8	34.3	32.9	61.9	79.5	62.1	65.3	89.5	73.2	59.3
190 Wild Horse Wind 2	8.43	13.0	11.9	13.4	9.85	8.44	6.59	6.34	11.9	15.3	11.9	12.6	17.2	14.1	11.4
191 Willow Creek	13.8	21.3	19.5	22.0	16.1	13.8	10.8	10.4	19.5	25.0	19.5	20.6	28.2	23.0	18.7
192 Windy Point Wind	76.4	118	108	122	89.3	76.5	59.8	57.4	108	139	108	114	156	128	104
193 Windy Point 1	26.2	40.5	37.1	41.7	30.6	26.2	20.5	19.7	37.0	47.5	37.1	39.0	53.5	43.7	35.5
194 Windy Point 2	38.8	60.0	54.9	61.8	45.3	38.8	30.3	29.1	54.8	70.4	54.9	57.8	79.2	64.8	52.5
195 Windy Point 2 - Phase 2	11.5	17.7	16.2	18.2	13.4	11.5	8.96	8.61	16.2	20.8	16.2	17.1	23.4	19.1	15.5
196 Wolverine Creek	12.4	19.1	17.5	19.7	14.4	12.4	9.67	9.29	17.5	22.4	17.5	18.4	25.3	20.6	16.7
197 Yahoo Creek Wind	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
198 Yamhill Solar	0.30	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.23

**Total Renewable Resources**

199 Cooperative	20.4	26.2	24.8	26.0	21.5	19.4	17.4	17.1	24.3	28.6	24.4	25.6	31.6	27.5	23.8
200 Federal Entities	48.0	82.5	64.8	57.8	41.7	47.0	31.7	27.0	64.9	67.3	52.1	62.3	83.8	55.5	55.3
201 Investor Owned Utilities	1109	1599	1464	1532	1154	977	778	786	1345	1702	1367	1440	1894	1609	1325
202 Marketer	115	182	163	182	133	146	114	109	210	266	211	232	313	257	188
203 Municipality	255	405	354	387	284	255	199	185	363	442	344	371	507	390	336
204 Other	8.62	13.3	12.2	13.7	10.1	8.63	6.74	6.48	12.2	15.6	12.2	12.9	17.6	14.4	11.7
205 Public Utility District	136	203	182	204	156	142	122	114	190	225	179	191	251	195	177
<b>206 Total</b>	<b>1692</b>	<b>2511</b>	<b>2266</b>	<b>2403</b>	<b>1800</b>	<b>1596</b>	<b>1269</b>	<b>1244</b>	<b>2210</b>	<b>2746</b>	<b>2189</b>	<b>2334</b>	<b>3097</b>	<b>2548</b>	<b>2116</b>

**Table A-11: Regional: Renewable Resources**  
**Operating Year 2024**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Renewable Resources</b>															
1 3 Bar G Wind	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
2 American Falls Solar	14.2	14.2	12.8	8.59	4.98	2.74	3.31	5.43	10.3	11.9	11.9	14.5	16.0	16.7	10.1
3 American Falls Solar 1	7.10	7.10	6.41	4.30	2.49	1.37	1.65	2.72	5.15	5.95	5.95	7.27	8.02	8.36	5.07
4 American Falls Solar 2	7.10	7.10	6.41	4.30	2.49	1.37	1.65	2.72	5.15	5.95	5.95	7.27	8.02	8.36	5.07
5 Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
6 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0
10 Bellevue Solar (Amity, OR)	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
11 Bennett Creek Wind	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.44
12 Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41	0.69
13 Big Horn Wind	47.8	73.9	67.7	76.1	55.8	47.8	37.4	35.9	67.5	86.8	67.7	71.3	97.7	79.8	64.7
14 Big Horn 1	38.2	59.1	54.1	60.9	44.7	38.2	29.9	28.7	54.0	69.4	54.2	57.0	78.1	63.8	51.7
15 Big Horn 2	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
16 Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03	1.06
17 Biglow Canyon Wind	86.2	133	122	137	101	86.2	67.4	64.8	122	156	122	128	176	144	117
18 Biglow Canyon 1	24.0	37.2	34.0	38.3	28.1	24.0	18.8	18.1	33.9	43.6	34.0	35.8	49.1	40.1	32.5
19 Biglow Canyon 2	28.6	44.3	40.6	45.6	33.5	28.7	22.4	21.5	40.5	52.0	40.6	42.7	58.5	47.8	38.8
20 Biglow Canyon 3	33.5	51.8	47.4	53.3	39.1	33.5	26.2	25.2	47.3	60.8	47.5	49.9	68.4	55.9	45.3
21 Black Cap Solar Project	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
22 Boise City Solar	16.2	16.2	13.7	11.6	7.07	6.09	6.19	9.07	11.1	12.9	12.9	15.1	16.0	17.4	11.9
23 Burley Butte Wind	3.74	5.78	5.29	5.95	4.37	3.74	2.92	2.81	5.28	6.78	5.29	5.57	7.63	6.24	5.06
24 Camp Reed	4.31	6.67	6.11	6.87	5.04	4.31	3.37	3.24	6.09	7.82	6.11	6.43	8.81	7.20	5.83
25 Cassia Farms Wind	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.72
26 Cassia Gulch Wind	3.62	5.60	5.13	5.77	4.23	3.62	2.83	2.72	5.12	6.57	5.13	5.40	7.40	6.05	4.90
27 Cedar Hills Landfill	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
28 Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36
29 Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38
30 Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98
31 Cold Springs	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.96
32 Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
33 Combine Hills	19.9	30.8	28.2	31.7	23.3	19.9	15.6	15.0	28.2	36.2	28.2	29.7	40.7	33.3	27.0
34 Combine Hills 2	12.1	18.7	17.1	19.2	14.1	12.1	9.44	9.07	17.1	21.9	17.1	18.0	24.7	20.2	16.3
35 Combine Hills 1	7.86	12.2	11.1	12.5	9.18	7.86	6.14	5.91	11.1	14.3	11.1	11.7	16.1	13.1	10.6
36 Condon	5.92	11.5	9.57	10.9	9.77	13.8	7.23	7.13	13.0	10.7	8.60	8.68	10.3	6.85	9.64
37 Condon 1	2.92	5.68	4.73	5.36	4.82	6.81	3.57	3.52	6.40	5.27	4.25	4.29	5.08	3.39	4.76
38 Condon 2	2.99	5.81	4.84	5.49	4.94	6.98	3.66	3.61	6.56	5.40	4.35	4.39	5.20	3.47	4.88
39 DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
40 Desert Meadow Windfarm	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.96
41 Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
42 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
44 Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10	1.26
45 Echo Wind Farm	12.4	19.1	17.5	19.7	14.4	12.4	9.67	9.30	17.5	22.4	17.5	18.4	25.3	20.7	16.7
46 Echo Wind 1	8.54	13.2	12.1	13.6	9.97	8.54	6.68	6.42	12.1	15.5	12.1	12.7	17.4	14.3	11.6
47 Echo Wind 2	3.83	5.93	5.43	6.10	4.48	3.83	3.00	2.88	5.41	6.95	5.43	5.71	7.83	6.40	5.19
48 Edaleen Cow Power	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
49 Elkhorn Valley Wind Project	19.3	29.8	27.3	30.7	22.5	19.3	15.1	14.5	27.2	35.0	27.3	28.8	39.4	32.2	26.1
50 Farm Power Lynden	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
51 Farm Power Misty Meadow	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
52 Farm Power Rexville	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
53 Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
54 Fighting Creek Landfill	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
55 Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
56 Flathead County Landfill	1.48	1.48	1.48	1.35	1.34	1.34	1.34	1.35	1.34	1.41	1.41	1.43	1.48	1.48	1.40
57 Foote Creek 1	7.93	12.3	11.2	12.6	9.27	7.94	6.20	5.96	11.2	14.4	11.2	11.8	16.2	13.2	10.7

**Table A-11: Regional: Renewable Resources**

**Operating Year 2024**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Foote Creek 2	0.35	0.53	0.49	0.55	0.40	0.35	0.27	0.26	0.49	0.63	0.49	0.51	0.71	0.58	0.47
59 Foote Creek 4	3.22	4.98	4.56	5.13	3.76	3.22	2.52	2.42	4.55	5.84	4.56	4.80	6.58	5.38	4.36
60 Forest Glen Oaks Dairy	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
61 Fossil Gulch Wind Project	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.72
62 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Golden Valley Wind	2.30	3.56	3.26	3.66	2.69	2.30	1.80	1.73	3.25	4.17	3.26	3.43	4.70	3.84	3.11
64 Goodnoe Hills	18.0	27.9	25.5	28.7	21.0	18.0	14.1	13.5	25.4	32.7	25.5	26.9	36.8	30.1	24.4
65 Goshen North (Ridgeline)	23.9	36.9	33.8	38.0	27.9	23.9	18.7	17.9	33.7	43.3	33.8	35.6	48.7	39.8	32.3
66 Grand View Solar	32.8	32.8	26.2	19.2	10.6	7.17	7.47	15.4	21.4	27.1	27.1	30.7	34.4	33.9	22.2
67 Grand View Solar 1	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
68 Grand View Solar 2	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
69 Grand View Solar 3	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
70 Grand View Solar 4	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
71 Grayland	1.15	1.78	1.63	1.83	1.34	1.15	0.90	0.86	1.62	2.09	1.63	1.71	2.35	1.92	1.56
72 H.W. Hill Landfill Gas (Roosevelt)	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
73 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 HW Hill Landfill Gas 2	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
75 Hammett Hill	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.96
76 Harvest	19.0	29.3	26.8	30.2	22.1	19.0	14.8	14.2	26.8	34.4	26.8	28.3	38.7	31.6	25.6
77 Hay Canyon Wind	19.3	29.9	27.4	30.8	22.6	19.3	15.1	14.5	27.3	35.1	27.4	28.8	39.5	32.3	26.1
78 Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
80 High Mesa Wind	7.65	11.8	10.8	12.2	8.93	7.65	5.98	5.75	10.8	13.9	10.8	11.4	15.6	12.8	10.3
81 Hopkins Ridge	30.0	46.4	42.5	47.8	35.1	30.0	23.5	22.6	42.4	54.5	42.5	44.7	61.3	50.1	40.6
82 Hopkins Ridge 2	1.38	2.13	1.95	2.20	1.61	1.38	1.08	1.04	1.95	2.50	1.95	2.06	2.82	2.30	1.87
83 Hopkins Ridge I	28.6	44.3	40.6	45.6	33.4	28.6	22.4	21.5	40.4	51.9	40.6	42.7	58.5	47.8	38.7
84 Horse Butte Wind	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	14.9
85 Horseshoe Bend Wind Project	1.73	2.67	2.44	2.75	2.02	1.73	1.35	1.30	2.44	3.13	2.44	2.57	3.52	2.88	2.33
86 Hot Springs Wind	3.79	5.87	5.37	6.04	4.43	3.80	2.97	2.85	5.36	6.89	5.38	5.66	7.75	6.34	5.13
87 Industrial Finishes	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
88 JC-Biomethane	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
89 Josef Stauffer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Juniper Canyon	29.0	44.8	41.0	46.1	33.8	29.0	22.7	21.8	40.9	52.6	41.0	43.2	59.2	48.4	39.2
91 Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	44.7
92 King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
93 Kittitas Valley Wind	19.3	29.9	27.4	30.8	22.6	19.3	15.1	14.5	27.3	35.1	27.4	28.8	39.5	32.3	26.1
94 Klondike 1	7.55	10.5	9.35	6.35	4.54	4.14	3.30	3.27	6.06	7.95	6.74	8.19	10.4	9.47	6.80
95 Klondike 2	23.6	32.7	29.2	19.8	14.2	12.9	10.3	10.2	18.9	24.8	21.1	25.6	32.5	29.6	21.2
96 Klondike 3	70.4	97.7	87.2	59.2	42.4	38.6	30.8	30.4	56.5	74.2	62.9	76.4	97.1	88.3	63.4
97 Klondike 3a	24.1	33.4	29.8	20.2	14.5	13.2	10.5	10.4	19.3	25.3	21.5	26.1	33.2	30.2	21.7
98 Knudson Wind	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
99 Lakeview Solar	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
100 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 Lakeview Solar 500	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
102 Leaning Juniper	57.8	89.4	81.9	92.1	67.6	57.9	45.2	43.5	81.7	105	81.9	86.2	118	96.6	78.2
103 Leaning Juniper 1	19.3	29.8	27.3	30.7	22.5	19.3	15.1	14.5	27.2	34.9	27.3	28.7	39.3	32.2	26.1
104 Leaning Juniper 2a	17.3	26.8	24.5	27.6	20.2	17.3	13.5	13.0	24.4	31.4	24.5	25.8	35.4	28.9	23.4
105 Leaning Juniper 2b	21.3	32.9	30.1	33.9	24.8	21.3	16.6	16.0	30.0	38.6	30.1	31.7	43.5	35.5	28.8
106 Lewandowski Farms	0.11	0.10	0.08	0.08	0.08	0.07	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
107 Lime Wind	0.58	0.89	0.81	0.92	0.67	0.58	0.45	0.43	0.81	1.04	0.81	0.86	1.18	0.96	0.78
108 Linden Ranch	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
109 Livingston	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
110 Lower Snake Wind	119	189	176	178	140	121	88.9	90.2	158	215	164	178	239	196	159
111 Lower Snake Wind 1	65.7	102	93.0	105	76.7	65.7	51.4	49.4	92.8	119	93.0	97.9	134	110	88.9
112 Tucannon River Wind	53.7	87.1	83.0	73.0	63.3	55.1	37.5	40.8	65.4	95.9	71.5	79.8	105	86.1	70.3
113 LRI/Graham Landfill - BioFuels	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28
114 Mainline Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.96
115 Marengo Wind	40.4	62.4	57.2	64.3	47.1	40.4	31.6	30.3	57.0	73.2	57.2	60.2	82.5	67.4	54.6
116 Marengo Wind 1	26.9	41.6	38.1	42.8	31.4	26.9	21.0	20.2	38.0	48.8	38.1	40.1	55.0	44.9	36.4

**Table A-11: Regional: Renewable Resources**

**Operating Year 2024**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
117 Marengo Wind 2	13.5	20.8	19.1	21.4	15.7	13.5	10.5	10.1	19.0	24.4	19.1	20.1	27.5	22.5	18.2
118 Meadow Creek Wind	22.9	35.5	32.5	36.5	26.8	22.9	17.9	17.2	32.4	41.6	32.5	34.2	46.9	38.3	31.0
119 Five Pine Wind	7.65	11.8	10.8	12.2	8.93	7.65	5.98	5.75	10.8	13.9	10.8	11.4	15.6	12.8	10.3
120 North Point Wind	15.3	23.7	21.7	24.3	17.9	15.3	12.0	11.5	21.6	27.7	21.7	22.8	31.2	25.5	20.7
121 Milner Dam Wind Farm	3.74	5.78	5.29	5.95	4.37	3.74	2.92	2.81	5.28	6.78	5.29	5.57	7.63	6.24	5.06
122 Murphy Flat Solar Power	7.70	7.70	6.43	4.50	2.40	1.75	2.05	3.57	5.12	6.58	6.58	7.25	8.05	8.37	5.32
123 Neal Hot Springs	22.0	22.0	22.0	22.0	22.0	22.0	10.5	22.0	22.0	22.0	22.0	22.0	22.0	21.3	21.0
124 Nine Canyon Wind	18.6	34.7	26.0	30.7	22.3	24.4	24.6	19.6	33.9	30.3	21.9	26.8	36.0	15.0	26.0
125 Nine Canyon Wind 1	9.32	17.4	13.1	15.4	11.2	12.2	12.3	9.81	17.0	15.2	11.0	13.4	18.1	7.53	13.1
126 Nine Canyon Wind 2	3.01	5.62	4.21	4.98	3.61	3.95	3.98	3.17	5.50	4.91	3.54	4.34	5.83	2.43	4.22
127 Nine Canyon Wind 3	6.24	11.7	8.74	10.3	7.48	8.19	8.25	6.57	11.4	10.2	7.35	9.00	12.1	5.04	8.75
128 Orchard Ranch Solar	7.96	7.96	6.25	4.46	2.58	1.71	2.25	4.04	4.96	6.50	6.50	7.21	8.33	8.29	5.38
129 Oregon Trail Wind	2.59	4.00	3.66	4.12	3.02	2.59	2.02	1.94	3.65	4.69	3.67	3.86	5.29	4.32	3.50
130 Outback Solar	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
131 Paisley Geothermal	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
132 Palouse Wind	20.0	30.9	28.3	31.9	23.4	20.0	15.6	15.0	28.3	36.3	28.3	29.8	40.9	33.4	27.1
133 PaTu Wind	1.73	2.67	2.44	2.75	2.02	1.73	1.35	1.30	2.44	3.13	2.44	2.57	3.52	2.88	2.33
134 Paynes Ferry Wind Park	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.44
135 Pebble Springs Wind	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
136 Pepsi-Cola Solar	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
137 Pepsi-Cola Eugene Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Pepsi-Cola Klamath Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Pilgrim Stage Station Wind Park	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.72
141 Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
142 Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
143 Power County Wind	8.62	13.3	12.2	13.7	10.1	8.63	6.74	6.48	12.2	15.6	12.2	12.9	17.6	14.4	11.7
144 Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
145 Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
146 Raft River Geothermal	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30	8.64
147 Raft River Geothermal 1	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30	8.64
148 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Rainier Biogas	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
151 Rattlesnake Road Wind Farm	19.7	30.5	27.9	31.4	23.0	19.7	15.4	14.8	27.9	35.8	27.9	29.4	40.3	32.9	26.7
152 River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
153 Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154 Rock River Wind	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
155 Rockland wind	15.2	23.5	21.5	24.2	17.7	15.2	11.9	11.4	21.4	27.5	21.5	22.6	31.0	25.3	20.5
156 Ryegrass Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.96
157 Salmon Falls	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.44
158 Sawtooth	4.29	6.64	6.08	6.83	5.01	4.29	3.36	3.23	6.06	7.79	6.08	6.40	8.77	7.17	5.81
159 Shepherds Flat	162	250	229	258	189	162	127	122	229	294	229	241	331	270	219
160 Shepherds Flat - Central	55.6	85.9	78.7	88.5	64.9	55.6	43.5	41.8	78.5	101	78.7	82.8	114	92.8	75.2
161 Shepherds Flat - North	50.8	78.5	71.9	80.9	59.3	50.8	39.7	38.2	71.7	92.1	71.9	75.7	104	84.8	68.7
162 Shepherds Flat - South	55.6	85.9	78.7	88.5	64.9	55.6	43.5	41.8	78.5	101	78.7	82.8	114	92.8	75.2
163 Short Mountain	2.30	2.30	2.40	2.60	2.80	3.00	3.10	3.00	3.00	3.10	3.10	3.00	2.20	2.30	2.73
164 Simco Solar	7.98	7.98	6.28	4.50	2.61	1.73	2.27	4.09	4.97	6.10	6.10	7.24	8.34	8.30	5.37
165 Star Point Wind	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
166 Stateline	52.7	114	74.2	75.5	48.3	58.4	39.9	25.4	96.8	89.2	61.8	80.0	118	48.4	68.8
167 Stateline-OR	21.3	45.9	29.9	30.4	19.5	23.5	16.1	10.2	39.0	36.0	24.9	32.3	47.5	19.5	27.7
168 Stateline-WA	31.5	68.0	44.3	45.1	28.8	34.8	23.8	15.1	57.8	53.2	36.9	47.8	70.3	28.9	41.1
169 Stoltze Biomass	2.80	2.80	2.80	2.70	2.20	2.20	2.20	2.20	2.20	2.30	2.30	2.80	2.80	2.80	2.50
170 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Swauk Wind	0.81	1.26	1.15	1.30	0.95	0.82	0.64	0.61	1.15	1.48	1.15	1.21	1.66	1.36	1.10
172 Thousand Springs Wind Park	2.30	3.56	3.26	3.66	2.69	2.30	1.80	1.73	3.25	4.17	3.26	3.43	4.70	3.84	3.11
173 Threemile Canyon Wind	1.90	2.93	2.69	3.02	2.22	1.90	1.48	1.43	2.68	3.44	2.69	2.83	3.88	3.17	2.57
174 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



**Table A-11: Regional: Renewable Resources**

**Operating Year 2024**

**2015 White Book** Report Date: **6/30/2015** *Continued*

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
175 Tuana Gulch Wind	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.72
176 Tuana Springs Wind	3.22	4.98	4.56	5.13	3.76	3.22	2.52	2.42	4.55	5.84	4.56	4.80	6.58	5.38	4.36
177 Two Ponds Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.96
178 Van Dyk's Holsteins	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
179 Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
180 Vansycle	24.5	41.5	35.9	39.9	29.5	28.5	21.6	19.2	37.4	43.4	33.1	35.5	49.1	38.4	33.9
181 Vansycle 1	5.54	12.2	9.10	9.73	7.36	9.51	6.78	4.92	10.7	9.04	6.27	7.22	10.4	6.72	8.26
182 Vansycle 2	19.0	29.3	26.8	30.2	22.1	19.0	14.8	14.2	26.8	34.4	26.8	28.3	38.7	31.6	25.6
183 Vantage Wind	17.2	26.7	24.4	27.5	20.1	17.3	13.5	13.0	24.4	31.3	24.4	25.7	35.2	28.8	23.3
184 Wheat Field	18.5	28.6	26.2	29.5	21.6	18.5	14.5	13.9	26.1	33.6	26.2	27.6	37.8	30.9	25.0
185 White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
186 White Creek	38.6	59.8	54.7	61.5	45.1	38.7	30.2	29.0	54.6	70.1	54.7	57.6	78.9	64.5	52.3
187 Wild Horse	52.3	80.9	74.1	83.3	61.1	52.4	40.9	39.4	73.9	94.9	74.1	78.0	107	87.3	70.8
188 Wild Horse Solar 1	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
189 Wild Horse Wind 1	43.8	67.8	62.0	69.7	51.2	43.8	34.3	32.9	61.9	79.5	62.1	65.3	89.5	73.2	59.3
190 Wild Horse Wind 2	8.43	13.0	11.9	13.4	9.85	8.44	6.59	6.34	11.9	15.3	11.9	12.6	17.2	14.1	11.4
191 Willow Creek	13.8	21.3	19.5	22.0	16.1	13.8	10.8	10.4	19.5	25.0	19.5	20.6	28.2	23.0	18.7
192 Windy Point Wind	76.4	118	108	122	89.3	76.5	59.8	57.4	108	139	108	114	156	128	103
193 Windy Point 1	26.2	40.5	37.1	41.7	30.6	26.2	20.5	19.7	37.0	47.5	37.1	39.0	53.5	43.7	35.4
194 Windy Point 2	38.8	60.0	54.9	61.8	45.3	38.8	30.3	29.1	54.8	70.4	54.9	57.8	79.2	64.8	52.5
195 Windy Point 2 - Phase 2	11.5	17.7	16.2	18.2	13.4	11.5	8.96	8.61	16.2	20.8	16.2	17.1	23.4	19.1	15.5
196 Wolverine Creek	12.4	19.1	17.5	19.7	14.4	12.4	9.67	9.29	17.5	22.4	17.5	18.4	25.3	20.6	16.7
197 Yahoo Creek Wind	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.44
198 Yamhill Solar	0.30	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.23

**Total Renewable Resources**

199 Cooperative	20.4	26.2	24.9	26.5	21.5	19.3	17.4	17.1	24.3	28.6	24.4	25.7	31.6	27.5	23.8
200 Federal Entities	48.0	82.5	64.8	57.8	41.7	47.0	31.7	27.0	64.9	67.3	52.1	62.3	83.8	55.5	55.2
201 Investor Owned Utilities	1053	1523	1396	1486	1121	977	778	786	1345	1702	1367	1451	1898	1609	1307
202 Marketer	170	258	251	251	182	160	125	119	229	291	230	252	341	280	222
203 Municipality	255	405	334	365	268	241	189	174	343	417	324	351	479	367	318
204 Other	8.62	13.3	12.2	13.7	10.1	8.63	6.74	6.48	12.2	15.6	12.2	12.9	17.6	14.4	11.7
205 Public Utility District	136	203	182	204	156	142	122	114	190	225	179	191	251	195	177
<b>206 Total</b>	<b>1692</b>	<b>2511</b>	<b>2266</b>	<b>2403</b>	<b>1800</b>	<b>1596</b>	<b>1269</b>	<b>1244</b>	<b>2210</b>	<b>2746</b>	<b>2189</b>	<b>2346</b>	<b>3102</b>	<b>2548</b>	<b>2115</b>

Table A-11: Regional: Renewable Resources

Operating Year 2025

2015 White Book Report Date: 6/30/2015

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Renewable Resources</b>															
1 3 Bar G Wind	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
2 American Falls Solar	14.2	14.2	12.8	8.59	4.98	2.74	3.31	5.43	10.3	11.9	11.9	14.5	16.0	16.7	10.2
3 American Falls Solar 1	7.10	7.10	6.41	4.30	2.49	1.37	1.65	2.72	5.15	5.95	5.95	7.27	8.02	8.36	5.08
4 American Falls Solar 2	7.10	7.10	6.41	4.30	2.49	1.37	1.65	2.72	5.15	5.95	5.95	7.27	8.02	8.36	5.08
5 Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
6 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0
10 Bellevue Solar (Amity, OR)	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
11 Bennett Creek Wind	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
12 Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41	0.69
13 Big Horn Wind	47.8	73.9	67.7	76.1	55.8	47.8	37.4	35.9	67.5	86.8	67.7	71.3	97.7	79.8	64.8
14 Big Horn 1	38.2	59.1	54.1	60.9	44.7	38.2	29.9	28.7	54.0	69.4	54.2	57.0	78.1	63.8	51.8
15 Big Horn 2	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
16 Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03	1.06
17 Biglow Canyon Wind	86.2	133	122	137	101	86.2	67.4	64.8	122	156	122	128	176	144	117
18 Biglow Canyon 1	24.0	37.2	34.0	38.3	28.1	24.0	18.8	18.1	33.9	43.6	34.0	35.8	49.1	40.1	32.6
19 Biglow Canyon 2	28.6	44.3	40.6	45.6	33.5	28.7	22.4	21.5	40.5	52.0	40.6	42.7	58.5	47.8	38.8
20 Biglow Canyon 3	33.5	51.8	47.4	53.3	39.1	33.5	26.2	25.2	47.3	60.8	47.5	49.9	68.4	55.9	45.4
21 Black Cap Solar Project	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
22 Boise City Solar	16.2	16.2	13.7	11.6	7.07	6.09	6.19	9.07	11.1	12.9	12.9	15.1	16.0	17.4	11.9
23 Burley Butte Wind	3.74	5.78	5.29	5.95	4.37	3.74	2.92	2.81	5.28	6.78	5.29	5.57	7.63	6.24	5.06
24 Camp Reed	4.31	6.67	6.11	6.87	5.04	4.31	3.37	3.24	6.09	7.82	6.11	6.43	8.81	7.20	5.84
25 Cassia Farms Wind	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
26 Cassia Gulch Wind	3.62	5.60	5.13	5.77	4.23	3.62	2.83	2.72	5.12	6.57	5.13	5.40	7.40	6.05	4.91
27 Cedar Hills Landfill	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
28 Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36
29 Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38
30 Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98
31 Cold Springs	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
32 Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
33 Combine Hills	19.9	30.8	28.2	31.7	23.3	19.9	15.6	15.0	28.2	36.2	28.2	29.7	40.7	33.3	27.0
34 Combine Hills 2	12.1	18.7	17.1	19.2	14.1	12.1	9.44	9.07	17.1	21.9	17.1	18.0	24.7	20.2	16.4
35 Combine Hills 1	7.86	12.2	11.1	12.5	9.18	7.86	6.14	5.91	11.1	14.3	11.1	11.7	16.1	13.1	10.6
36 Condon	5.92	11.5	9.57	10.9	9.77	13.8	7.23	7.13	13.0	10.7	8.60	8.68	10.3	6.85	9.65
37 Condon 1	2.92	5.68	4.73	5.36	4.82	6.81	3.57	3.52	6.40	5.27	4.25	4.29	5.08	3.39	4.77
38 Condon 2	2.99	5.81	4.84	5.49	4.94	6.98	3.66	3.61	6.56	5.40	4.35	4.39	5.20	3.47	4.88
39 DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
40 Desert Meadow Windfarm	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
41 Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
42 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
44 Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10	1.26
45 Echo Wind Farm	12.4	19.1	17.5	19.7	14.4	12.4	9.67	9.30	17.5	22.4	17.5	18.4	25.3	20.7	16.8
46 Echo Wind 1	8.54	13.2	12.1	13.6	9.97	8.54	6.68	6.42	12.1	15.5	12.1	12.7	17.4	14.3	11.6
47 Echo Wind 2	3.83	5.93	5.43	6.10	4.48	3.83	3.00	2.88	5.41	6.95	5.43	5.71	7.83	6.40	5.19
48 Edaleen Cow Power	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
49 Elkhorn Valley Wind Project	19.3	29.8	27.3	30.7	22.5	19.3	15.1	14.5	27.2	35.0	27.3	28.8	39.4	32.2	26.1
50 Farm Power Lynden	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
51 Farm Power Misty Meadow	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
52 Farm Power Rexville	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
53 Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
54 Fighting Creek Landfill	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
55 Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
56 Flathead County Landfill	1.48	1.48	1.43	1.18	1.34	1.34	1.35	1.33	1.34	1.43	1.43	1.41	1.48	1.48	1.38
57 Foote Creek 1	7.93	12.3	11.2	12.6	9.27	7.94	6.20	5.96	11.2	14.4	11.2	11.8	16.2	13.2	10.7



**Table A-11: Regional: Renewable Resources**  
**Operating Year 2025**  
**2015 White Book Report Date: 6/30/2015 Continued**

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Foote Creek 2	0.35	0.53	0.49	0.55	0.40	0.35	0.27	0.26	0.49	0.63	0.49	0.51	0.71	0.58	0.47
59 Foote Creek 4	3.22	4.98	4.56	5.13	3.76	3.22	2.52	2.42	4.55	5.84	4.56	4.80	6.58	5.38	4.36
60 Forest Glen Oaks Dairy	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
61 Fossil Gulch Wind Project	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
62 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Golden Valley Wind	2.30	3.56	3.26	3.66	2.69	2.30	1.80	1.73	3.25	4.17	3.26	3.43	4.70	3.84	3.11
64 Goodnoe Hills	18.0	27.9	25.5	28.7	21.0	18.0	14.1	13.5	25.4	32.7	25.5	26.9	36.8	30.1	24.4
65 Goshen North (Ridgeline)	23.9	36.9	33.8	38.0	27.9	23.9	18.7	17.9	33.7	43.3	33.8	35.6	48.7	39.8	32.3
66 Grand View Solar	32.8	32.8	26.2	19.2	10.6	7.17	7.47	15.4	21.4	27.1	27.1	30.7	34.4	33.9	22.2
67 Grand View Solar 1	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
68 Grand View Solar 2	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
69 Grand View Solar 3	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
70 Grand View Solar 4	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
71 Grayland	1.15	1.78	1.63	1.83	1.34	1.15	0.90	0.86	1.62	2.09	1.63	1.71	2.35	1.92	1.56
72 H.W. Hill Landfill Gas (Roosevelt)	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
73 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 HW Hill Landfill Gas 2	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
75 Hammett Hill	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
76 Harvest	19.0	29.3	26.8	30.2	22.1	19.0	14.8	14.2	26.8	34.4	26.8	28.3	38.7	31.6	25.7
77 Hay Canyon Wind	19.3	29.9	27.4	30.8	22.6	19.3	15.1	14.5	27.3	35.1	27.4	28.8	39.5	32.3	26.2
78 Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
80 High Mesa Wind	7.65	11.8	10.8	12.2	8.93	7.65	5.98	5.75	10.8	13.9	10.8	11.4	15.6	12.8	10.4
81 Hopkins Ridge	30.0	46.4	42.5	47.8	35.1	30.0	23.5	22.6	42.4	54.5	42.5	44.7	61.3	50.1	40.7
82 Hopkins Ridge 2	1.38	2.13	1.95	2.20	1.61	1.38	1.08	1.04	1.95	2.50	1.95	2.06	2.82	2.30	1.87
83 Hopkins Ridge I	28.6	44.3	40.6	45.6	33.4	28.6	22.4	21.5	40.4	51.9	40.6	42.7	58.5	47.8	38.8
84 Horse Butte Wind	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	15.0
85 Horseshoe Bend Wind Project	1.73	2.67	2.44	2.75	2.02	1.73	1.35	1.30	2.44	3.13	2.44	2.57	3.52	2.88	2.34
86 Hot Springs Wind	3.79	5.87	5.37	6.04	4.43	3.80	2.97	2.85	5.36	6.89	5.38	5.66	7.75	6.34	5.14
87 Industrial Finishes	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
88 JC-Biomethane	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
89 Josef Stauffer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Juniper Canyon	29.0	44.8	41.0	46.1	33.8	29.0	22.7	21.8	40.9	52.6	41.0	43.2	59.2	48.4	39.2
91 Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	23.1	46.3	44.4
92 King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
93 Kittitas Valley Wind	19.3	29.9	27.4	30.8	22.6	19.3	15.1	14.5	27.3	35.1	27.4	28.8	39.5	32.3	26.2
94 Klondike 1	7.55	10.5	9.35	6.35	4.54	4.14	3.30	3.27	6.06	7.95	6.74	8.19	10.4	9.47	6.81
95 Klondike 2	23.6	32.7	29.2	19.8	14.2	12.9	10.3	10.2	18.9	24.8	21.1	25.6	32.5	29.6	21.3
96 Klondike 3	70.4	97.7	87.2	59.2	42.4	38.6	30.8	30.4	56.5	74.2	62.9	76.4	97.1	88.3	63.5
97 Klondike 3a	24.1	33.4	29.8	20.2	14.5	13.2	10.5	10.4	19.3	25.3	21.5	26.1	33.2	30.2	21.7
98 Knudson Wind	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
99 Lakeview Solar	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
100 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 Lakeview Solar 500	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
102 Leaning Juniper	57.8	89.4	81.9	92.1	67.6	57.9	45.2	43.5	81.7	105	81.9	86.2	118	96.6	78.3
103 Leaning Juniper 1	19.3	29.8	27.3	30.7	22.5	19.3	15.1	14.5	27.2	34.9	27.3	28.7	39.3	32.2	26.1
104 Leaning Juniper 2a	17.3	26.8	24.5	27.6	20.2	17.3	13.5	13.0	24.4	31.4	24.5	25.8	35.4	28.9	23.4
105 Leaning Juniper 2b	21.3	32.9	30.1	33.9	24.8	21.3	16.6	16.0	30.0	38.6	30.1	31.7	43.5	35.5	28.8
106 Lewandowski Farms	0.11	0.10	0.08	0.08	0.08	0.07	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
107 Lime Wind	0.58	0.89	0.81	0.92	0.67	0.58	0.45	0.43	0.81	1.04	0.81	0.86	1.18	0.96	0.78
108 Linden Ranch	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
109 Livingston	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
110 Lower Snake Wind	119	189	176	178	140	121	88.9	90.2	158	215	164	178	239	196	159
111 Lower Snake Wind 1	65.7	102	93.0	105	76.7	65.7	51.4	49.4	92.8	119	93.0	97.9	134	110	89.0
112 Tucannon River Wind	53.7	87.1	83.0	73.0	63.3	55.1	37.5	40.8	65.4	95.9	71.5	79.8	105	86.1	70.4
113 LRI/Graham Landfill - BioFuels	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28
114 Mainline Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
115 Marengo Wind	40.4	62.4	57.2	64.3	47.1	40.4	31.6	30.3	57.0	73.2	57.2	60.2	82.5	67.4	54.7
116 Marengo Wind 1	26.9	41.6	38.1	42.8	31.4	26.9	21.0	20.2	38.0	48.8	38.1	40.1	55.0	44.9	36.4

**Table A-11: Regional: Renewable Resources**  
**Operating Year 2025**  
**2015 White Book** Report Date: **6/30/2015** *Continued*

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
117 Marengo Wind 2	13.5	20.8	19.1	21.4	15.7	13.5	10.5	10.1	19.0	24.4	19.1	20.1	27.5	22.5	18.2
118 Meadow Creek Wind	22.9	35.5	32.5	36.5	26.8	22.9	17.9	17.2	32.4	41.6	32.5	34.2	46.9	38.3	31.1
119 Five Pine Wind	7.65	11.8	10.8	12.2	8.93	7.65	5.98	5.75	10.8	13.9	10.8	11.4	15.6	12.8	10.4
120 North Point Wind	15.3	23.7	21.7	24.3	17.9	15.3	12.0	11.5	21.6	27.7	21.7	22.8	31.2	25.5	20.7
121 Milner Dam Wind Farm	3.74	5.78	5.29	5.95	4.37	3.74	2.92	2.81	5.28	6.78	5.29	5.57	7.63	6.24	5.06
122 Murphy Flat Solar Power	7.70	7.70	6.43	4.50	2.40	1.75	2.05	3.57	5.12	6.58	6.58	7.25	8.05	8.37	5.32
123 Neal Hot Springs	22.0	22.0	22.0	22.0	22.0	22.0	10.5	22.0	22.0	22.0	22.0	22.0	22.0	21.3	21.0
124 Nine Canyon Wind	18.6	34.7	26.0	30.7	22.3	24.4	24.6	19.6	33.9	30.3	21.9	26.8	36.0	15.0	26.1
125 Nine Canyon Wind 1	9.32	17.4	13.1	15.4	11.2	12.2	12.3	9.81	17.0	15.2	11.0	13.4	18.1	7.53	13.1
126 Nine Canyon Wind 2	3.01	5.62	4.21	4.98	3.61	3.95	3.98	3.17	5.50	4.91	3.54	4.34	5.83	2.43	4.22
127 Nine Canyon Wind 3	6.24	11.7	8.74	10.3	7.48	8.19	8.25	6.57	11.4	10.2	7.35	9.00	12.1	5.04	8.75
128 Orchard Ranch Solar	7.96	7.96	6.25	4.46	2.58	1.71	2.25	4.04	4.96	6.50	6.50	7.21	8.33	8.29	5.38
129 Oregon Trail Wind	2.59	4.00	3.66	4.12	3.02	2.59	2.02	1.94	3.65	4.69	3.67	3.86	5.29	4.32	3.50
130 Outback Solar	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
131 Paisley Geothermal	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
132 Palouse Wind	20.0	30.9	28.3	31.9	23.4	20.0	15.6	15.0	28.3	36.3	28.3	29.8	40.9	33.4	27.1
133 PaTu Wind	1.73	2.67	2.44	2.75	2.02	1.73	1.35	1.30	2.44	3.13	2.44	2.57	3.52	2.88	2.34
134 Paynes Ferry Wind Park	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
135 Pebble Springs Wind	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
136 Pepsi-Cola Solar	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
137 Pepsi-Cola Eugene Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Pepsi-Cola Klamath Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Pilgrim Stage Station Wind Park	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
141 Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
142 Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
143 Power County Wind	8.62	13.3	12.2	13.7	10.1	8.63	6.74	6.48	12.2	15.6	12.2	12.9	17.6	14.4	11.7
144 Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
145 Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
146 Raft River Geothermal	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30	8.64
147 Raft River Geothermal 1	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30	8.64
148 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Rainier Biogas	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
151 Rattlesnake Road Wind Farm	19.7	30.5	27.9	31.4	23.0	19.7	15.4	14.8	27.9	35.8	27.9	29.4	40.3	32.9	26.7
152 River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
153 Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154 Rock River Wind	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
155 Rockland wind	15.2	23.5	21.5	24.2	17.7	15.2	11.9	11.4	21.4	27.5	21.5	22.6	31.0	25.3	20.6
156 Ryegrass Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
157 Salmon Falls	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
158 Sawtooth	4.29	6.64	6.08	6.83	5.01	4.29	3.36	3.23	6.06	7.79	6.08	6.40	8.77	7.17	5.81
159 Shepherds Flat	162	250	229	258	189	162	127	122	229	294	229	241	331	270	219
160 Shepherds Flat - Central	55.6	85.9	78.7	88.5	64.9	55.6	43.5	41.8	78.5	101	78.7	82.8	114	92.8	75.3
161 Shepherds Flat - North	50.8	78.5	71.9	80.9	59.3	50.8	39.7	38.2	71.7	92.1	71.9	75.7	104	84.8	68.8
162 Shepherds Flat - South	55.6	85.9	78.7	88.5	64.9	55.6	43.5	41.8	78.5	101	78.7	82.8	114	92.8	75.3
163 Short Mountain	2.30	2.30	2.40	2.60	2.80	3.00	3.10	3.00	3.00	3.10	3.10	3.00	2.20	2.30	2.73
164 Simco Solar	7.98	7.98	6.28	4.50	2.61	1.73	2.27	4.09	4.97	6.10	6.10	7.24	8.34	8.30	5.37
165 Star Point Wind	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
166 Stateline	52.7	114	74.2	75.5	48.3	58.4	39.9	25.4	96.8	89.2	61.8	80.0	118	48.4	68.9
167 Stateline-OR	21.3	45.9	29.9	30.4	19.5	23.5	16.1	10.2	39.0	36.0	24.9	32.3	47.5	19.5	27.8
168 Stateline-WA	31.5	68.0	44.3	45.1	28.8	34.8	23.8	15.1	57.8	53.2	36.9	47.8	70.3	28.9	41.2
169 Stoltze Biomass	2.80	2.80	2.80	2.70	2.20	2.20	2.20	2.20	2.20	2.30	2.30	2.80	2.80	2.80	2.50
170 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Swauk Wind	0.81	1.26	1.15	1.30	0.95	0.82	0.64	0.61	1.15	1.48	1.15	1.21	1.66	1.36	1.10
172 Thousand Springs Wind Park	2.30	3.56	3.26	3.66	2.69	2.30	1.80	1.73	3.25	4.17	3.26	3.43	4.70	3.84	3.11
173 Threemile Canyon Wind	1.90	2.93	2.69	3.02	2.22	1.90	1.48	1.43	2.68	3.44	2.69	2.83	3.88	3.17	2.57
174 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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**2015 White Book** Report Date: **6/30/2015** *Continued*

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
175 Tuana Gulch Wind	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
176 Tuana Springs Wind	3.22	4.98	4.56	5.13	3.76	3.22	2.52	2.42	4.55	5.84	4.56	4.80	6.58	5.38	4.36
177 Two Ponds Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
178 Van Dyk's Holsteins	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
179 Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
180 Vansycle	24.5	41.5	35.9	39.9	29.5	28.5	21.6	19.2	37.4	43.4	33.1	35.5	49.1	38.4	33.9
181 Vansycle 1	5.54	12.2	9.10	9.73	7.36	9.51	6.78	4.92	10.7	9.04	6.27	7.22	10.4	6.72	8.27
182 Vansycle 2	19.0	29.3	26.8	30.2	22.1	19.0	14.8	14.2	26.8	34.4	26.8	28.3	38.7	31.6	25.7
183 Vantage Wind	17.2	26.7	24.4	27.5	20.1	17.3	13.5	13.0	24.4	31.3	24.4	25.7	35.2	28.8	23.4
184 Wheat Field	18.5	28.6	26.2	29.5	21.6	18.5	14.5	13.9	26.1	33.6	26.2	27.6	37.8	30.9	25.1
185 White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
186 White Creek	38.6	59.8	54.7	61.5	45.1	38.7	30.2	29.0	54.6	70.1	54.7	57.6	78.9	64.5	52.3
187 Wild Horse	52.3	80.9	74.1	83.3	61.1	52.4	40.9	39.4	73.9	94.9	74.1	78.0	107	87.3	70.9
188 Wild Horse Solar 1	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
189 Wild Horse Wind 1	43.8	67.8	62.0	69.7	51.2	43.8	34.3	32.9	61.9	79.5	62.1	65.3	89.5	73.2	59.3
190 Wild Horse Wind 2	8.43	13.0	11.9	13.4	9.85	8.44	6.59	6.34	11.9	15.3	11.9	12.6	17.2	14.1	11.4
191 Willow Creek	13.8	21.3	19.5	22.0	16.1	13.8	10.8	10.4	19.5	25.0	19.5	20.6	28.2	23.0	18.7
192 Windy Point Wind	76.4	118	108	122	89.3	76.5	59.8	57.4	108	139	108	114	156	128	104
193 Windy Point 1	26.2	40.5	37.1	41.7	30.6	26.2	20.5	19.7	37.0	47.5	37.1	39.0	53.5	43.7	35.5
194 Windy Point 2	38.8	60.0	54.9	61.8	45.3	38.8	30.3	29.1	54.8	70.4	54.9	57.8	79.2	64.8	52.5
195 Windy Point 2 - Phase 2	11.5	17.7	16.2	18.2	13.4	11.5	8.96	8.61	16.2	20.8	16.2	17.1	23.4	19.1	15.5
196 Wolverine Creek	12.4	19.1	17.5	19.7	14.4	12.4	9.67	9.29	17.5	22.4	17.5	18.4	25.3	20.6	16.7
197 Yahoo Creek Wind	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
198 Yamhill Solar	0.30	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.23

**Total Renewable Resources**

199 Cooperative	20.4	26.2	24.8	26.3	21.5	19.3	17.4	17.1	24.3	28.6	24.4	25.6	31.6	27.5	23.8
200 Federal Entities	48.0	82.5	64.8	57.8	41.7	47.0	31.7	27.0	64.9	67.3	52.1	62.3	83.8	55.5	55.3
201 Investor Owned Utilities	1053	1523	1396	1486	1121	977	778	786	1345	1702	1367	1451	1894	1609	1308
202 Marketer	184	280	251	251	182	160	125	119	229	291	230	252	341	280	224
203 Municipality	242	383	334	365	268	241	189	174	343	417	324	351	479	367	317
204 Other	8.62	13.3	12.2	13.7	10.1	8.63	6.74	6.48	12.2	15.6	12.2	12.9	17.6	14.4	11.7
205 Public Utility District	136	203	182	204	156	142	122	114	190	225	179	191	251	195	177
<b>206 Total</b>	<b>1692</b>	<b>2511</b>	<b>2266</b>	<b>2403</b>	<b>1800</b>	<b>1596</b>	<b>1269</b>	<b>1244</b>	<b>2210</b>	<b>2746</b>	<b>2189</b>	<b>2346</b>	<b>3097</b>	<b>2548</b>	<b>2117</b>

Table A-11: Regional: Renewable Resources

Operating Year 2026

2015 White Book Report Date: 6/30/2015

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Renewable Resources</b>															
1 3 Bar G Wind	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
2 American Falls Solar	14.2	14.2	12.8	8.59	4.98	2.74	3.31	5.43	10.3	11.9	11.9	14.5	16.0	16.7	10.2
3 American Falls Solar 1	7.10	7.10	6.41	4.30	2.49	1.37	1.65	2.72	5.15	5.95	5.95	7.27	8.02	8.36	5.08
4 American Falls Solar 2	7.10	7.10	6.41	4.30	2.49	1.37	1.65	2.72	5.15	5.95	5.95	7.27	8.02	8.36	5.08
5 Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
6 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0
10 Bellevue Solar (Amity, OR)	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
11 Bennett Creek Wind	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
12 Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41	0.69
13 Big Horn Wind	47.8	73.9	67.7	76.1	55.8	47.8	37.4	35.9	67.5	86.8	67.7	71.3	97.7	79.8	64.8
14 Big Horn 1	38.2	59.1	54.1	60.9	44.7	38.2	29.9	28.7	54.0	69.4	54.2	57.0	78.1	63.8	51.8
15 Big Horn 2	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
16 Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03	1.06
17 Biglow Canyon Wind	86.2	133	122	137	101	86.2	67.4	64.8	122	156	122	128	176	144	117
18 Biglow Canyon 1	24.0	37.2	34.0	38.3	28.1	24.0	18.8	18.1	33.9	43.6	34.0	35.8	49.1	40.1	32.6
19 Biglow Canyon 2	28.6	44.3	40.6	45.6	33.5	28.7	22.4	21.5	40.5	52.0	40.6	42.7	58.5	47.8	38.8
20 Biglow Canyon 3	33.5	51.8	47.4	53.3	39.1	33.5	26.2	25.2	47.3	60.8	47.5	49.9	68.4	55.9	45.4
21 Black Cap Solar Project	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
22 Boise City Solar	16.2	16.2	13.7	11.6	7.07	6.09	6.19	9.07	11.1	12.9	12.9	15.1	16.0	17.4	11.9
23 Burley Butte Wind	3.74	5.78	5.29	5.95	4.37	3.74	2.92	2.81	5.28	6.78	5.29	5.57	7.63	6.24	5.06
24 Camp Reed	4.31	6.67	6.11	6.87	5.04	4.31	3.37	3.24	6.09	7.82	6.11	6.43	8.81	7.20	5.84
25 Cassia Farms Wind	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
26 Cassia Gulch Wind	3.62	5.60	5.13	5.77	4.23	3.62	2.83	2.72	5.12	6.57	5.13	5.40	7.40	6.05	4.91
27 Cedar Hills Landfill	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
28 Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36
29 Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38
30 Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98
31 Cold Springs	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
32 Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
33 Combine Hills	19.9	30.8	28.2	31.7	23.3	19.9	15.6	15.0	28.2	36.2	28.2	29.7	40.7	33.3	27.0
34 Combine Hills 2	12.1	18.7	17.1	19.2	14.1	12.1	9.44	9.07	17.1	21.9	17.1	18.0	24.7	20.2	16.4
35 Combine Hills 1	7.86	12.2	11.1	12.5	9.18	7.86	6.14	5.91	11.1	14.3	11.1	11.7	16.1	13.1	10.6
36 Condon	5.92	11.5	9.57	10.9	9.77	13.8	7.23	7.13	13.0	10.7	8.60	8.68	10.3	6.85	9.65
37 Condon 1	2.92	5.68	4.73	5.36	4.82	6.81	3.57	3.52	6.40	5.27	4.25	4.29	5.08	3.39	4.77
38 Condon 2	2.99	5.81	4.84	5.49	4.94	6.98	3.66	3.61	6.56	5.40	4.35	4.39	5.20	3.47	4.88
39 DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
40 Desert Meadow Windfarm	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
41 Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
42 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
44 Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10	1.26
45 Echo Wind Farm	12.4	19.1	17.5	19.7	14.4	12.4	9.67	9.30	17.5	22.4	17.5	18.4	25.3	20.7	16.8
46 Echo Wind 1	8.54	13.2	12.1	13.6	9.97	8.54	6.68	6.42	12.1	15.5	12.1	12.7	17.4	14.3	11.6
47 Echo Wind 2	3.83	5.93	5.43	6.10	4.48	3.83	3.00	2.88	5.41	6.95	5.43	5.71	7.83	6.40	5.19
48 Edaleen Cow Power	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
49 Elkhorn Valley Wind Project	19.3	29.8	27.3	30.7	22.5	19.3	15.1	14.5	27.2	35.0	27.3	28.8	39.4	32.2	26.1
50 Farm Power Lynden	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
51 Farm Power Misty Meadow	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
52 Farm Power Rexville	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
53 Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
54 Fighting Creek Landfill	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
55 Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
56 Flathead County Landfill	1.48	1.48	1.43	1.18	1.34	1.34	1.35	1.33	1.34	1.43	1.43	1.41	1.48	1.48	1.38
57 Foote Creek 1	7.93	12.3	11.2	12.6	9.27	7.94	6.20	5.96	11.2	14.4	11.2	11.8	16.2	13.2	10.7

**Table A-11: Regional: Renewable Resources**

**Operating Year 2026**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Foote Creek 2	0.35	0.53	0.49	0.55	0.40	0.35	0.27	0.26	0.49	0.63	0.49	0.51	0.71	0.58	0.47
59 Foote Creek 4	3.22	4.98	4.56	5.13	3.76	3.22	2.52	2.42	4.55	5.84	4.56	4.80	6.58	5.38	4.36
60 Forest Glen Oaks Dairy	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
61 Fossil Gulch Wind Project	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
62 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Golden Valley Wind	2.30	3.56	3.26	3.66	2.69	2.30	1.80	1.73	3.25	4.17	3.26	3.43	4.70	3.84	3.11
64 Goodnoe Hills	18.0	27.9	25.5	28.7	21.0	18.0	14.1	13.5	25.4	32.7	25.5	26.9	36.8	30.1	24.4
65 Goshen North (Ridgeline)	23.9	36.9	33.8	38.0	27.9	23.9	18.7	17.9	33.7	43.3	33.8	35.6	48.7	39.8	32.3
66 Grand View Solar	32.8	32.8	26.2	19.2	10.6	7.17	7.47	15.4	21.4	27.1	27.1	30.7	34.4	33.9	22.2
67 Grand View Solar 1	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
68 Grand View Solar 2	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
69 Grand View Solar 3	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
70 Grand View Solar 4	8.20	8.20	6.56	4.80	2.64	1.79	1.87	3.84	5.34	6.78	6.78	7.68	8.60	8.47	5.55
71 Grayland	1.15	1.78	1.63	1.83	1.34	1.15	0.90	0.86	1.62	2.09	1.63	1.71	2.35	1.92	1.56
72 H.W. Hill Landfill Gas (Roosevelt)	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
73 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 HW Hill Landfill Gas 2	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
75 Hammett Hill	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
76 Harvest	19.0	29.3	26.8	30.2	22.1	19.0	14.8	14.2	26.8	34.4	26.8	28.3	38.7	31.6	25.7
77 Hay Canyon Wind	19.3	29.9	27.4	30.8	22.6	19.3	15.1	14.5	27.3	35.1	27.4	28.8	39.5	32.3	26.2
78 Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
80 High Mesa Wind	7.65	11.8	10.8	12.2	8.93	7.65	5.98	5.75	10.8	13.9	10.8	11.4	15.6	12.8	10.4
81 Hopkins Ridge	30.0	46.4	42.5	47.8	35.1	30.0	23.5	22.6	42.4	54.5	42.5	44.7	61.3	50.1	40.7
82 Hopkins Ridge 2	1.38	2.13	1.95	2.20	1.61	1.38	1.08	1.04	1.95	2.50	1.95	2.06	2.82	2.30	1.87
83 Hopkins Ridge I	28.6	44.3	40.6	45.6	33.4	28.6	22.4	21.5	40.4	51.9	40.6	42.7	58.5	47.8	38.8
84 Horse Butte Wind	11.0	17.1	15.6	17.6	12.9	11.0	8.63	8.30	15.6	20.0	15.6	16.5	22.6	18.4	15.0
85 Horseshoe Bend Wind Project	1.73	2.67	2.44	2.75	2.02	1.73	1.35	1.30	2.44	3.13	2.44	2.57	3.52	2.88	2.34
86 Hot Springs Wind	3.79	5.87	5.37	6.04	4.43	3.80	2.97	2.85	5.36	6.89	5.38	5.66	7.75	6.34	5.14
87 Industrial Finishes	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
88 JC-Biomethane	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
89 Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Juniper Canyon	29.0	44.8	41.0	46.1	33.8	29.0	22.7	21.8	40.9	52.6	41.0	43.2	59.2	48.4	39.2
91 Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
92 King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
93 Kittitas Valley Wind	19.3	29.9	27.4	30.8	22.6	19.3	15.1	14.5	27.3	35.1	27.4	28.8	39.5	32.3	26.2
94 Klondike 1	7.55	10.5	9.35	6.35	4.54	4.14	3.30	3.27	6.06	7.95	6.74	8.19	10.4	9.47	6.81
95 Klondike 2	23.6	32.7	29.2	19.8	14.2	12.9	10.3	10.2	18.9	24.8	21.1	25.6	32.5	29.6	21.3
96 Klondike 3	70.4	97.7	87.2	59.2	42.4	38.6	30.8	30.4	56.5	74.2	62.9	76.4	97.1	88.3	63.5
97 Klondike 3a	24.1	33.4	29.8	20.2	14.5	13.2	10.5	10.4	19.3	25.3	21.5	26.1	33.2	30.2	21.7
98 Knudson Wind	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
99 Lakeview Solar	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
100 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 Lakeview Solar 500	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
102 Leaning Juniper	57.8	89.4	81.9	92.1	67.6	57.9	45.2	43.5	81.7	105	81.9	86.2	118	96.6	78.3
103 Leaning Juniper 1	19.3	29.8	27.3	30.7	22.5	19.3	15.1	14.5	27.2	34.9	27.3	28.7	39.3	32.2	26.1
104 Leaning Juniper 2a	17.3	26.8	24.5	27.6	20.2	17.3	13.5	13.0	24.4	31.4	24.5	25.8	35.4	28.9	23.4
105 Leaning Juniper 2b	21.3	32.9	30.1	33.9	24.8	21.3	16.6	16.0	30.0	38.6	30.1	31.7	43.5	35.5	28.8
106 Lewandowski Farms	0.11	0.10	0.08	0.08	0.08	0.06	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
107 Lime Wind	0.58	0.89	0.81	0.92	0.67	0.58	0.45	0.43	0.81	1.04	0.81	0.86	1.18	0.96	0.78
108 Linden Ranch	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
109 Livingston	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
110 Lower Snake Wind	119	189	176	178	140	121	88.9	90.2	158	215	164	178	239	196	159
111 Lower Snake Wind 1	65.7	102	93.0	105	76.7	65.7	51.4	49.4	92.8	119	93.0	97.9	134	110	89.0
112 Tucannon River Wind	53.7	87.1	83.0	73.0	63.3	55.1	37.5	40.8	65.4	95.9	71.5	79.8	105	86.1	70.4
113 LRI/Graham Landfill - BioFuels	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28
114 Mainline Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
115 Marengo Wind	40.4	62.4	57.2	64.3	47.1	40.4	31.6	30.3	57.0	73.2	57.2	60.2	82.5	67.4	54.7
116 Marengo Wind 1	26.9	41.6	38.1	42.8	31.4	26.9	21.0	20.2	38.0	48.8	38.1	40.1	55.0	44.9	36.4

Table A-11: Regional: Renewable Resources

Operating Year 2026

2015 White Book Report Date: 6/30/2015 *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
117 Marengo Wind 2	13.5	20.8	19.1	21.4	15.7	13.5	10.5	10.1	19.0	24.4	19.1	20.1	27.5	22.5	18.2
118 Meadow Creek Wind	22.9	35.5	32.5	36.5	26.8	22.9	17.9	17.2	32.4	41.6	32.5	34.2	46.9	38.3	31.1
119 Five Pine Wind	7.65	11.8	10.8	12.2	8.93	7.65	5.98	5.75	10.8	13.9	10.8	11.4	15.6	12.8	10.4
120 North Point Wind	15.3	23.7	21.7	24.3	17.9	15.3	12.0	11.5	21.6	27.7	21.7	22.8	31.2	25.5	20.7
121 Milner Dam Wind Farm	3.74	5.78	5.29	5.95	4.37	3.74	2.92	2.81	5.28	6.78	5.29	5.57	7.63	6.24	5.06
122 Murphy Flat Solar Power	7.70	7.70	6.43	4.50	2.40	1.75	2.05	3.57	5.12	6.58	6.58	7.25	8.05	8.37	5.32
123 Neal Hot Springs	22.0	22.0	22.0	22.0	22.0	22.0	10.5	22.0	22.0	22.0	22.0	22.0	22.0	21.3	21.0
124 Nine Canyon Wind	18.6	34.7	26.0	30.7	22.3	24.4	24.6	19.6	33.9	30.3	21.9	26.8	36.0	15.0	26.1
125 Nine Canyon Wind 1	9.32	17.4	13.1	15.4	11.2	12.2	12.3	9.81	17.0	15.2	11.0	13.4	18.1	7.53	13.1
126 Nine Canyon Wind 2	3.01	5.62	4.21	4.98	3.61	3.95	3.98	3.17	5.50	4.91	3.54	4.34	5.83	2.43	4.22
127 Nine Canyon Wind 3	6.24	11.7	8.74	10.3	7.48	8.19	8.25	6.57	11.4	10.2	7.35	9.00	12.1	5.04	8.75
128 Orchard Ranch Solar	7.96	7.96	6.25	4.46	2.58	1.71	2.25	4.04	4.96	6.50	6.50	7.21	8.33	8.29	5.38
129 Oregon Trail Wind	2.59	4.00	3.66	4.12	3.02	2.59	2.02	1.94	3.65	4.69	3.67	3.86	5.29	4.32	3.50
130 Outback Solar	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
131 Paisley Geothermal	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
132 Palouse Wind	20.0	30.9	28.3	31.9	23.4	20.0	15.6	15.0	28.3	36.3	28.3	29.8	40.9	33.4	27.1
133 PaTu Wind	1.73	2.67	2.44	2.75	2.02	1.73	1.35	1.30	2.44	3.13	2.44	2.57	3.52	2.88	2.34
134 Paynes Ferry Wind Park	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
135 Pebble Springs Wind	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
136 Pepsi-Cola Solar	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
137 Pepsi-Cola Eugene Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Pepsi-Cola Klamath Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Pilgrim Stage Station Wind Park	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
141 Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
142 Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
143 Power County Wind	8.62	13.3	12.2	13.7	10.1	8.63	6.74	6.48	12.2	15.6	12.2	12.9	17.6	14.4	11.7
144 Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
145 Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
146 Raft River Geothermal	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30	8.64
147 Raft River Geothermal 1	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30	8.64
148 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Rainier Biogas	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
151 Rattlesnake Road Wind Farm	19.7	30.5	27.9	31.4	23.0	19.7	15.4	14.8	27.9	35.8	27.9	29.4	40.3	32.9	26.7
152 River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
153 Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154 Rock River Wind	9.58	14.8	13.6	15.3	11.2	9.59	7.49	7.20	13.5	17.4	13.6	14.3	19.6	16.0	13.0
155 Rockland wind	15.2	23.5	21.5	24.2	17.7	15.2	11.9	11.4	21.4	27.5	21.5	22.6	31.0	25.3	20.6
156 Ryegrass Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
157 Salmon Falls	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
158 Sawtooth	4.29	6.64	6.08	6.83	5.01	4.29	3.36	3.23	6.06	7.79	6.08	6.40	8.77	7.17	5.81
159 Shepherds Flat	162	250	229	258	189	162	127	122	229	294	229	241	331	270	219
160 Shepherds Flat - Central	55.6	85.9	78.7	88.5	64.9	55.6	43.5	41.8	78.5	101	78.7	82.8	114	92.8	75.3
161 Shepherds Flat - North	50.8	78.5	71.9	80.9	59.3	50.8	39.7	38.2	71.7	92.1	71.9	75.7	104	84.8	68.8
162 Shepherds Flat - South	55.6	85.9	78.7	88.5	64.9	55.6	43.5	41.8	78.5	101	78.7	82.8	114	92.8	75.3
163 Short Mountain	2.30	2.30	2.40	2.60	2.80	3.00	3.10	3.00	3.00	3.10	3.10	3.00	2.20	2.30	2.73
164 Simco Solar	7.98	7.98	6.28	4.50	2.61	1.73	2.27	4.09	4.97	6.10	6.10	7.24	8.34	8.30	5.37
165 Star Point Wind	18.9	29.3	26.8	30.1	22.1	18.9	14.8	14.2	26.7	34.3	26.8	28.2	38.6	31.6	25.6
166 Stateline	52.7	114	74.2	75.5	48.3	58.4	39.9	25.4	96.8	89.2	61.8	80.0	118	48.4	68.9
167 Stateline-OR	21.3	45.9	29.9	30.4	19.5	23.5	16.1	10.2	39.0	36.0	24.9	32.3	47.5	19.5	27.8
168 Stateline-WA	31.5	68.0	44.3	45.1	28.8	34.8	23.8	15.1	57.8	53.2	36.9	47.8	70.3	28.9	41.2
169 Stoltze Biomass	2.80	2.80	2.80	2.70	2.20	2.20	2.20	2.20	2.20	2.30	2.30	2.80	2.80	2.80	2.50
170 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Swauk Wind	0.81	1.26	1.15	1.30	0.95	0.82	0.64	0.61	1.15	1.48	1.15	1.21	1.66	1.36	1.10
172 Thousand Springs Wind Park	2.30	3.56	3.26	3.66	2.69	2.30	1.80	1.73	3.25	4.17	3.26	3.43	4.70	3.84	3.11
173 Threemile Canyon Wind	1.90	2.93	2.69	3.02	2.22	1.90	1.48	1.43	2.68	3.44	2.69	2.83	3.88	3.17	2.57
174 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



**Table A-11: Regional: Renewable Resources**

**Operating Year 2026**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
175 Tuana Gulch Wind	2.01	3.11	2.85	3.20	2.35	2.01	1.57	1.51	2.84	3.65	2.85	3.00	4.11	3.36	2.73
176 Tuana Springs Wind	3.22	4.98	4.56	5.13	3.76	3.22	2.52	2.42	4.55	5.84	4.56	4.80	6.58	5.38	4.36
177 Two Ponds Wind	4.41	6.82	6.24	7.02	5.15	4.41	3.45	3.31	6.23	8.00	6.24	6.57	9.01	7.36	5.97
178 Van Dyk's Holsteins	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
179 Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
180 Vansycle	24.5	41.5	35.9	39.9	29.5	28.5	21.6	19.2	37.4	43.4	33.1	35.5	49.1	38.4	33.9
181 Vansycle 1	5.54	12.2	9.10	9.73	7.36	9.51	6.78	4.92	10.7	9.04	6.27	7.22	10.4	6.72	8.27
182 Vansycle 2	19.0	29.3	26.8	30.2	22.1	19.0	14.8	14.2	26.8	34.4	26.8	28.3	38.7	31.6	25.7
183 Vantage Wind	17.2	26.7	24.4	27.5	20.1	17.3	13.5	13.0	24.4	31.3	24.4	25.7	35.2	28.8	23.4
184 Wheat Field	18.5	28.6	26.2	29.5	21.6	18.5	14.5	13.9	26.1	33.6	26.2	27.6	37.8	30.9	25.1
185 White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
186 White Creek	38.6	59.8	54.7	61.5	45.1	38.7	30.2	29.0	54.6	70.1	54.7	57.6	78.9	64.5	52.3
187 Wild Horse	52.3	80.9	74.1	83.3	61.1	52.4	40.9	39.4	73.9	94.9	74.1	78.0	107	87.3	70.9
188 Wild Horse Solar 1	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
189 Wild Horse Wind 1	43.8	67.8	62.0	69.7	51.2	43.8	34.3	32.9	61.9	79.5	62.1	65.3	89.5	73.2	59.3
190 Wild Horse Wind 2	8.43	13.0	11.9	13.4	9.85	8.44	6.59	6.34	11.9	15.3	11.9	12.6	17.2	14.1	11.4
191 Willow Creek	13.8	21.3	19.5	22.0	16.1	13.8	10.8	10.4	19.5	25.0	19.5	20.6	28.2	23.0	18.7
192 Windy Point Wind	76.4	118	108	122	89.3	76.5	59.8	57.4	108	139	108	114	156	128	104
193 Windy Point 1	26.2	40.5	37.1	41.7	30.6	26.2	20.5	19.7	37.0	47.5	37.1	39.0	53.5	43.7	35.5
194 Windy Point 2	38.8	60.0	54.9	61.8	45.3	38.8	30.3	29.1	54.8	70.4	54.9	57.8	79.2	64.8	52.5
195 Windy Point 2 - Phase 2	11.5	17.7	16.2	18.2	13.4	11.5	8.96	8.61	16.2	20.8	16.2	17.1	23.4	19.1	15.5
196 Wolverine Creek	12.4	19.1	17.5	19.7	14.4	12.4	9.67	9.29	17.5	22.4	17.5	18.4	25.3	20.6	16.7
197 Yahoo Creek Wind	4.02	6.22	5.70	6.41	4.70	4.03	3.15	3.02	5.68	7.30	5.70	6.00	8.22	6.72	5.45
198 Yamhill Solar	0.30	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.23

**Total Renewable Resources**

199 Cooperative	20.4	26.2	24.8	26.3	21.5	19.3	17.4	17.1	24.3	28.6	24.4	25.6	31.6	27.5	23.8
200 Federal Entities	48.0	82.5	64.8	57.8	41.7	47.0	31.7	27.0	64.9	67.3	52.1	62.3	83.8	55.5	55.3
201 Investor Owned Utilities	1053	1523	1396	1486	1121	977	778	786	1345	1702	1367	1440	1894	1609	1307
202 Marketer	184	280	251	251	182	160	125	119	229	291	230	252	341	280	224
203 Municipality	242	383	334	365	268	241	189	174	343	417	324	351	479	367	317
204 Other	8.62	13.3	12.2	13.7	10.1	8.63	6.74	6.48	12.2	15.6	12.2	12.9	17.6	14.4	11.7
205 Public Utility District	136	203	182	204	156	142	122	114	190	225	179	191	251	195	177
<b>206 Total</b>	<b>1692</b>	<b>2511</b>	<b>2266</b>	<b>2403</b>	<b>1800</b>	<b>1596</b>	<b>1269</b>	<b>1244</b>	<b>2210</b>	<b>2746</b>	<b>2189</b>	<b>2334</b>	<b>3097</b>	<b>2548</b>	<b>2116</b>

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**Exhibit 31**  
**Table A-12: Regional Cogeneration Resources**

**Monthly Energy**  
**Operating Year 2017 to 2026**  
**Using 1937-Water Conditions**

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**Table A-12: Regional: Cogeneration Resources**  
**Operating Year 2017**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg	
<b>Cogeneration Resources</b>																
1 Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.4	14.9	14.4	14.4	14.9	14.4	14.9	14.6	
2 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3 Cogen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	
4 Cogen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.38	5.95	7.20	0	5.95	5.76	5.95	5.67	
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	
6 Coyote Springs	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209	
7 Coyote Springs 2	249	249	257	245	259	272	271	262	248	245	245	240	118	246	243	
8 Evergreen Biopower Cogen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	
9 Ferndale Cogeneration Station	238	238	241	245	250	253	253	251	249	247	247	0	241	238	225	
10 Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	
11 Georgia-Pacific Paper (Camas)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	
12 Georgia-Pacific Paper (Wauna)	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	22.0	22.0	19.1	14.2	18.1	19.2	
13 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20	
14 Hampton Lumber Mill (Darrington)	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	
15 Hermiston Generation Project	436	436	442	413	421	467	429	461	337	418	0	395	406	399	401	
16 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567	
17 International Paper Energy Center	18.1	18.1	13.1	19.4	19.1	21.6	21.0	19.9	20.4	11.9	11.9	9.10	7.00	16.1	16.4	
18 International Paper Energy Center 2	6.96	6.96	5.04	7.46	7.35	8.31	8.08	7.65	7.85	4.58	4.58	3.50	2.69	6.19	6.31	
19 International Paper Energy Center 1	11.1	11.1	8.06	11.9	11.8	13.3	12.9	12.2	12.6	7.32	7.32	5.60	4.31	9.91	10.1	
20 InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	
21 Longview Fibre Paper & Packaging	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	
22 Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24 March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	
25 Metro West Point	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	
26 Nippon Paper Cogen (Port Angel)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	
27 Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	
28 Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	
29 Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	
30 Potlatch	64.4	64.4	57.8	58.2	64.4	64.0	62.7	62.0	54.7	57.4	57.4	62.7	56.7	62.8	60.6	
31 Potlatch NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06	
32 Potlatch Wood Waste 1	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6	
33 Rock-Tenn Tacoma Kraft CoGen	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3	
34 Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
35 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39	
36 SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
37 Seneca Sawmill Cogen	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	7.70	11.4	11.4	11.1	
38 Sierra Pacific - Aberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	
39 Sierra Pacific - Burlington	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	
40 Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57	8.18	
41 SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	
42 SP Newsprint cogen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	
43 SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	
44 Sumas	125	125	126	129	131	132	133	131	130	129	0	128	126	125	123	
45 Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	
46 Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40	3.91	
47 TASCO - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16	0.06	
48 TASCO - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
49 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
50 Vaaen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
51 Wah Chang Cogen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	
52 Warm Springs Cogen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	
53 Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2	
54 Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5	
55 Weyerhaeuser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7	

**Table A-12: Regional: Cogeneration Resources  
Operating Year 2017**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Total Cogeneration Resources</b>															
56 Cooperative	6.93	6.93	6.93	6.93	6.93	6.93	6.93	6.93	6.93	6.93	6.93	6.93	6.93	6.93	6.93
57 Direct Service Industry	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
58 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Investor Owned Utilities	1522	1522	1532	1500	1533	1595	1555	1574	1427	1504	949	1232	1351	1479	1460
60 Marketer	821	821	821	818	823	824	825	824	198	818	818	814	819	823	768
61 Municipality	109	109	104	109	116	122	123	120	112	104	104	90.4	96.5	113	110
62 Public Utility District	12.4	12.4	13.4	15.4	16.0	17.5	18.2	17.7	17.7	17.2	17.2	15.7	13.3	15.3	15.8
<b>63 Total</b>	<b>2506</b>	<b>2506</b>	<b>2511</b>	<b>2485</b>	<b>2530</b>	<b>2600</b>	<b>2563</b>	<b>2578</b>	<b>1797</b>	<b>2485</b>	<b>1930</b>	<b>2193</b>	<b>2321</b>	<b>2471</b>	<b>2396</b>

**Table A-12: Regional: Cogeneration Resources**  
**Operating Year 2018**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Cogeneration Resources</b>															
1 Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.4	14.9	14.4	14.4	14.9	14.4	14.9	14.6
2 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CoGen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
4 CoGen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.38	5.95	7.20	0	5.95	5.76	5.95	5.67
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209
7 Coyote Springs 2	249	249	257	245	259	272	271	262	248	245	245	240	118	246	243
8 Evergreen Biopower CoGen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9 Ferndale Cogeneration Station	238	238	241	245	250	253	253	251	249	247	247	0	241	238	225
10 Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
11 Georgia-Pacific Paper (Camas)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	6.80	10.00	10.00	9.73
12 Georgia-Pacific Paper (Wauna)	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	22.0	22.0	19.1	14.2	18.1	19.2
13 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
14 Hampton Lumber Mill (Darrington)	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
15 Hermiston Generation Project	436	436	442	413	458	466	427	461	335	412	0	412	409	431	408
16 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
17 Intenational Paper Energy Cente	18.1	18.1	13.1	19.4	19.1	21.6	21.0	19.9	20.4	15.0	15.0	9.10	7.00	16.1	16.7
18 Intenational Paper Energy Center 2	6.96	6.96	5.04	7.46	7.35	8.31	8.08	7.65	7.85	5.77	5.77	3.50	2.69	6.19	6.41
19 Intenational Paper Energy Center 1	11.1	11.1	8.06	11.9	11.8	13.3	12.9	12.2	12.6	9.23	9.23	5.60	4.31	9.91	10.3
20 InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
21 Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
22 Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
25 Metro West Point	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
26 Nippon Paper CoGen (Port Angel	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
27 Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
28 Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
29 Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
30 Potlatch	64.4	64.4	57.8	58.2	64.4	64.0	62.7	62.0	54.7	57.4	57.4	62.7	56.7	62.8	60.6
31 Potlach NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
32 Potlach Wood Waste 1	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
33 Rock-Tenn Tacoma Kraft CoGen	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
34 Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
36 SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
37 Seneca Sawmill CoGen	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	18.0	11.4	11.4	11.4	11.4	11.7
38 Sierra Pacific - Abberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
39 Sierra Pacific - Burlington	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
40 Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57	8.18
41 SP Newsprint coGen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
42 SP Newsprint coGen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
43 SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
44 Sumas	125	125	126	129	131	132	133	131	130	129	0	128	126	125	123
45 Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
46 Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40	3.91
47 TASCO - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16	0.06
48 TASCO - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
49 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Vaaqen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Wah Chang CoGen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
52 Warm Springs CoGen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
53 Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
54 Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
55 Weyerhauser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7

**Table A-12: Regional: Cogeneration Resources  
Operating Year 2018**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Total Cogeneration Resources</b>															
56 Cooperative	6.93	6.93	6.93	6.93	6.93	6.93	6.93	6.93	6.93	6.93	6.93	6.93	6.93	6.93	6.93
57 Direct Service Industry	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
58 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Investor Owned Utilities	1522	1522	1532	1500	1571	1595	1553	1574	1426	1497	949	1245	1354	1511	1467
60 Marketer	821	821	821	818	823	824	825	824	198	818	818	814	819	823	768
61 Municipality	109	109	104	109	116	122	123	120	112	114	107	94.1	96.5	113	111
62 Public Utility District	12.4	12.4	13.4	15.4	16.0	17.5	18.2	17.7	17.7	17.2	17.2	15.7	13.3	15.3	15.8
<b>63 Total</b>	<b>2506</b>	<b>2506</b>	<b>2511</b>	<b>2485</b>	<b>2567</b>	<b>2600</b>	<b>2560</b>	<b>2578</b>	<b>1795</b>	<b>2488</b>	<b>1933</b>	<b>2210</b>	<b>2324</b>	<b>2504</b>	<b>2403</b>

**Table A-12: Regional: Cogeneration Resources  
Operating Year 2019**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Cogeneration Resources</b>															
1 Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.4	14.9	14.4	14.4	14.9	14.4	14.9	14.6
2 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CoGen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
4 CoGen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.38	5.95	7.20	0	5.95	5.76	5.95	5.67
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209
7 Coyote Springs 2	249	249	257	245	259	272	271	262	248	245	245	180	65.8	246	233
8 Evergreen Biopower CoGen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9 Ferndale Cogeneration Station	238	238	241	245	250	253	253	251	249	247	247	0	241	238	225
10 Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
11 Georgia-Pacific Paper (Camas)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
12 Georgia-Pacific Paper (Wauna)	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	22.0	22.0	19.1	14.2	18.1	19.2
13 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
14 Hampton Lumber Mill (Darrington)	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
15 Hermiston Generation Project	435	435	404	420	458	465	426	460	454	44.8	0	402	408	431	399
16 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
17 Intenational Paper Energy Cente	18.1	18.1	13.1	19.4	19.1	21.6	21.0	19.9	20.4	15.0	15.0	10.0	7.00	16.1	16.7
18 Intenational Paper Energy Center 2	6.96	6.96	5.04	7.46	7.35	8.31	8.08	7.65	7.85	5.77	5.77	3.85	2.69	6.19	6.44
19 Intenational Paper Energy Center 1	11.1	11.1	8.06	11.9	11.8	13.3	12.9	12.2	12.6	9.23	9.23	6.15	4.31	9.91	10.3
20 InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
21 Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
22 Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
25 Metro West Point	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
26 Nippon Paper CoGen (Port Angel)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
27 Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
28 Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
29 Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
30 Potlatch	64.4	64.4	57.8	58.2	64.4	64.0	62.7	62.0	54.7	57.4	57.4	62.7	56.7	62.8	60.6
31 Potlach NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
32 Potlach Wood Waste 1	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
33 Rock-Tenn Tacoma Kraft CoGen	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
34 Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
36 SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
37 Seneca Sawmill CoGen	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	7.70	11.4	11.4	11.1
38 Sierra Pacific - Abberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
39 Sierra Pacific - Burlington	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
40 Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57	8.18
41 SP Newsprint coGen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
42 SP Newsprint coGen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
43 SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
44 Sumas	125	125	126	129	131	132	133	131	130	129	0	128	126	125	123
45 Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
46 Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40	3.91
47 TASCO - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16	0.06
48 TASCO - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
49 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Vaaqen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Wah Chang CoGen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
52 Warm Springs CoGen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
53 Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
54 Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
55 Weyerhaeuser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7

**Table A-12: Regional: Cogeneration Resources  
Operating Year 2019**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Total Cogeneration Resources</b>															
56 Cooperative	6.93	6.93	6.93	6.93	6.93	6.93	6.93	6.93	6.93	6.93	6.93	6.93	6.93	0.94	6.42
57 Direct Service Industry	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
58 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Investor Owned Utilities	1521	1521	1494	1507	1570	1594	1552	1573	1545	1130	949	1178	1300	1511	1449
60 Marketer	821	821	821	818	823	824	825	824	198	818	818	814	819	829	769
61 Municipality	109	109	104	109	116	122	123	120	112	107	107	91.3	96.5	113	110
62 Public Utility District	12.4	12.4	13.4	15.4	16.0	17.5	18.2	17.7	17.7	17.2	17.2	15.7	13.3	15.3	15.8
<b>63 Total</b>	<b>2505</b>	<b>2505</b>	<b>2474</b>	<b>2491</b>	<b>2567</b>	<b>2599</b>	<b>2560</b>	<b>2577</b>	<b>1914</b>	<b>2114</b>	<b>1933</b>	<b>2141</b>	<b>2271</b>	<b>2503</b>	<b>2385</b>

Table A-12: Regional: Cogeneration Resources

Operating Year 2020

2015 White Book Report Date: 6/30/2015

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Cogeneration Resources</b>															
1 Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.9	14.9	14.4	14.4	14.9	14.4	14.9	14.7
2 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CoGen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
4 CoGen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.57	5.95	7.20	0	5.95	5.76	5.95	5.68
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.5	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209
7 Coyote Springs 2	249	249	257	245	259	272	271	262	248	245	245	240	142	246	245
8 Evergreen Biopower CoGen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9 Ferndale Cogeneration Station	238	238	241	245	250	253	253	251	249	247	247	0	241	238	225
10 Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
11 Georgia-Pacific Paper (Camas)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	6.80	10.00	10.00	9.73
12 Georgia-Pacific Paper (Wauna)	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	22.0	22.0	19.1	14.2	18.1	19.2
13 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
14 Hampton Lumber Mill (Darrington)	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
15 Hermiston Generation Project	436	436	442	413	421	467	429	461	337	418	0	395	406	399	401
16 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
17 Intenational Paper Energy Cente	18.1	18.1	13.1	19.4	19.1	21.6	21.0	19.9	20.4	12.0	12.0	9.10	7.00	16.1	16.4
18 Intenational Paper Energy Center 2	6.96	6.96	5.04	7.46	7.35	8.31	8.08	7.65	7.85	4.62	4.62	3.50	2.69	6.19	6.32
19 Intenational Paper Energy Center 1	11.1	11.1	8.06	11.9	11.8	13.3	12.9	12.2	12.6	7.38	7.38	5.60	4.31	9.91	10.1
20 InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
21 Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
22 Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
25 Metro West Point	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
26 Nippon Paper CoGen (Port Angel)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
27 Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
28 Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
29 Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
30 Potlatch	64.4	64.4	57.8	58.2	64.4	64.0	62.7	62.0	54.7	57.4	57.4	62.7	56.7	62.8	60.6
31 Potlach NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
32 Potlach Wood Waste 1	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
33 Rock-Tenn Tacoma Kraft CoGen	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
34 Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
36 SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00
37 Seneca Sawmill CoGen	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	18.0	11.4	11.4	11.4	11.4	11.7
38 Sierra Pacific - Abberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
39 Sierra Pacific - Burlington	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
40 Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57	8.18
41 SP Newsprint coGen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
42 SP Newsprint coGen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
43 SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
44 Sumas	125	125	126	129	131	132	133	131	130	129	0	128	126	125	123
45 Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
46 Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40	3.91
47 TASC0 - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16	0.06
48 TASC0 - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
49 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Vaaqen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Wah Chang CoGen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
52 Warm Springs CoGen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
53 Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
54 Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
55 Weyerhaeuser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7



**Table A-12: Regional: Cogeneration Resources**

**Operating Year 2020**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Total Cogeneration Resources</b>															
56 Cooperative	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
57 Direct Service Industry	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
58 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Investor Owned Utilities	1522	1522	1532	1500	1533	1595	1555	1575	1427	1504	949	1228	1374	1479	1462
60 Marketer	827	827	840	844	848	852	852	850	224	836	836	829	832	846	789
61 Municipality	109	109	91.2	90.0	96.9	99.9	102	100	91.7	98.6	92.0	85.0	89.5	96.5	95.6
62 Public Utility District	12.4	12.4	13.4	15.4	16.0	17.5	18.2	17.7	17.7	17.2	17.2	15.7	13.3	15.3	15.8
<b>63 Total</b>	<b>2506</b>	<b>2506</b>	<b>2511</b>	<b>2485</b>	<b>2530</b>	<b>2600</b>	<b>2563</b>	<b>2578</b>	<b>1797</b>	<b>2491</b>	<b>1930</b>	<b>2194</b>	<b>2345</b>	<b>2471</b>	<b>2398</b>

**Table A-12: Regional: Cogeneration Resources**

**Operating Year 2021**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Cogeneration Resources</b>															
1 Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.4	14.9	14.4	14.4	14.9	14.4	14.9	14.6
2 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CoGen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
4 CoGen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.38	5.95	7.20	0	5.95	5.76	5.95	5.67
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209
7 Coyote Springs 2	249	249	257	245	259	272	271	262	248	245	245	240	118	246	243
8 Evergreen Biopower CoGen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9 Ferndale Cogeneration Station	238	238	241	245	250	253	253	251	249	247	247	0	241	238	225
10 Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
11 Georgia-Pacific Paper (Camas)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
12 Georgia-Pacific Paper (Wauna)	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	22.0	22.0	19.1	14.2	18.1	19.2
13 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
14 Hampton Lumber Mill (Darrington)	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
15 Hermiston Generation Project	436	436	442	413	458	466	427	461	335	412	0	412	409	431	408
16 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
17 Intenational Paper Energy Cente	18.1	18.1	13.1	19.4	19.1	21.6	21.0	19.9	20.4	11.9	11.9	9.10	7.00	16.1	16.4
18 Intenational Paper Energy Center 2	6.96	6.96	5.04	7.46	7.35	8.31	8.08	7.65	7.85	4.58	4.58	3.50	2.69	6.19	6.31
19 Intenational Paper Energy Center 1	11.1	11.1	8.06	11.9	11.8	13.3	12.9	12.2	12.6	7.32	7.32	5.60	4.31	9.91	10.1
20 InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
21 Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
22 Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
25 Metro West Point	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
26 Nippon Paper CoGen (Port Angel)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
27 Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
28 Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
29 Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
30 Potlatch	64.4	64.4	57.8	58.2	64.4	64.0	62.7	62.0	54.7	57.4	57.4	62.7	56.7	62.8	60.6
31 Potlach NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
32 Potlach Wood Waste 1	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
33 Rock-Tenn Tacoma Kraft CoGen	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
34 Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
36 SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
37 Seneca Sawmill CoGen	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	7.70	11.4	11.4	11.1
38 Sierra Pacific - Abberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
39 Sierra Pacific - Burlington	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
40 Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57	8.18
41 SP Newsprint coGen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
42 SP Newsprint coGen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
43 SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
44 Sumas	125	125	126	129	131	132	133	131	130	129	0	128	126	125	123
45 Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
46 Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40	3.91
47 TASC0 - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16	0.06
48 TASC0 - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
49 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Vaaqen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Wah Chang CoGen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
52 Warm Springs CoGen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
53 Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
54 Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
55 Weyerhaeuser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7

**Table A-12: Regional: Cogeneration Resources  
Operating Year 2021**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg	
<b>Total Cogeneration Resources</b>																
56 Cooperative	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	
57 Direct Service Industry	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	48.7	52.7	37.3
58 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
59 Investor Owned Utilities	1522	1522	1532	1500	1571	1595	1553	1574	1426	1497	949	1248	1354	1511	1467	
60 Marketer	845	845	840	844	848	852	852	850	224	836	836	829	832	846	791	
61 Municipality	91.0	91.0	91.2	90.0	96.9	99.9	102	100	91.7	92.0	92.0	81.3	82.4	87.5	92.1	
62 Public Utility District	12.4	12.4	13.4	15.4	16.0	17.5	18.2	17.7	17.7	17.2	17.2	15.7	6.20	6.20	14.5	
<b>63 Total</b>	<b>2506</b>	<b>2506</b>	<b>2511</b>	<b>2485</b>	<b>2567</b>	<b>2600</b>	<b>2560</b>	<b>2578</b>	<b>1795</b>	<b>2478</b>	<b>1930</b>	<b>2210</b>	<b>2324</b>	<b>2504</b>	<b>2402</b>	

**Table A-12: Regional: Cogeneration Resources**  
**Operating Year 2022**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Cogeneration Resources</b>															
1 Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.4	14.9	14.4	14.4	14.9	14.4	14.9	14.6
2 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CoGen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
4 CoGen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.38	5.95	7.20	0	5.95	5.76	5.95	5.67
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209
7 Coyote Springs 2	249	249	257	245	259	272	271	262	248	245	245	180	65.8	246	233
8 Evergreen Biopower CoGen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9 Ferndale Cogeneration Station	238	238	241	245	250	253	253	251	249	247	247	0	241	238	225
10 Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
11 Georgia-Pacific Paper (Camas)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	6.80	10.00	10.00	9.73
12 Georgia-Pacific Paper (Wauna)	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	22.0	22.0	19.1	14.2	18.1	19.2
13 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
14 Hampton Lumber Mill (Darrington)	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
15 Hermiston Generation Project	435	435	404	420	458	465	426	460	454	44.8	0	402	408	431	399
16 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
17 Intenational Paper Energy Cente	18.1	18.1	13.1	19.4	19.1	21.6	21.0	19.9	20.4	11.9	11.9	9.10	7.00	16.1	16.4
18 Intenational Paper Energy Center 2	6.96	6.96	5.04	7.46	7.35	8.31	8.08	7.65	7.85	4.58	4.58	3.50	2.69	6.19	6.31
19 Intenational Paper Energy Center 1	11.1	11.1	8.06	11.9	11.8	13.3	12.9	12.2	12.6	7.32	7.32	5.60	4.31	9.91	10.1
20 InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
21 Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
22 Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
25 Metro West Point	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
26 Nippon Paper CoGen (Port Angel)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
27 Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
28 Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
29 Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
30 Potlatch	64.4	64.4	57.8	58.2	64.4	64.0	62.7	62.0	54.7	57.4	57.4	62.7	56.7	62.8	60.6
31 Potlach NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
32 Potlach Wood Waste 1	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
33 Rock-Tenn Tacoma Kraft CoGen	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
34 Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
36 SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
37 Seneca Sawmill CoGen	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	18.0	11.4	11.4	11.4	11.4	11.7
38 Sierra Pacific - Abberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
39 Sierra Pacific - Burlington	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
40 Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57	8.18
41 SP Newsprint coGen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
42 SP Newsprint coGen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
43 SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
44 Sumas	125	125	126	129	131	132	133	131	130	129	0	128	126	125	123
45 Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
46 Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40	3.91
47 TASC0 - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16	0.06
48 TASC0 - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
49 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Vaaqen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Wah Chang CoGen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
52 Warm Springs CoGen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
53 Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
54 Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
55 Weyerhaeuser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7

**Table A-12: Regional: Cogeneration Resources  
Operating Year 2022**

**2015 White Book** Report Date: **6/30/2015** *Continued*

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Total Cogeneration Resources</b>															
56 Cooperative	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
57 Direct Service Industry	47.0	47.0	49.0	52.9	54.1	57.2	58.5	57.6	57.5	56.5	56.5	53.6	48.7	52.7	53.8
58 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Investor Owned Utilities	1521	1521	1494	1507	1570	1594	1552	1573	1545	1130	949	1175	1300	1511	1449
60 Marketer	890	890	884	884	895	901	902	899	265	877	877	864	875	893	835
61 Municipality	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	46.5	39.9	39.9	39.9	39.9	40.2
62 Public Utility District	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20
<b>63 Total</b>	<b>2505</b>	<b>2505</b>	<b>2474</b>	<b>2491</b>	<b>2567</b>	<b>2599</b>	<b>2560</b>	<b>2577</b>	<b>1914</b>	<b>2118</b>	<b>1930</b>	<b>2140</b>	<b>2271</b>	<b>2503</b>	<b>2384</b>

**Table A-12: Regional: Cogeneration Resources**

**Operating Year 2023**

**2015 White Book Report Date: 6/30/2015**

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Cogeneration Resources</b>															
1 Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.4	14.9	14.4	14.4	14.9	14.4	14.9	14.6
2 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CoGen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
4 CoGen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.38	5.95	7.20	0	5.95	5.76	5.95	5.67
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209
7 Coyote Springs 2	249	249	257	245	259	272	271	262	248	245	245	240	142	246	245
8 Evergreen Biopower CoGen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9 Ferndale Cogeneration Station	238	238	241	245	250	253	253	251	249	247	247	0	241	238	225
10 Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
11 Georgia-Pacific Paper (Camas)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
12 Georgia-Pacific Paper (Wauna)	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	22.0	22.0	19.1	14.2	18.1	19.2
13 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
14 Hampton Lumber Mill (Darrington)	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
15 Hermiston Generation Project	436	436	442	413	421	467	429	461	337	418	0	395	406	399	401
16 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
17 Intenational Paper Energy Cente	18.1	18.1	13.1	19.4	19.1	21.6	21.0	19.9	20.4	15.0	15.0	9.10	7.00	16.1	16.7
18 Intenational Paper Energy Center 2	6.96	6.96	5.04	7.46	7.35	8.31	8.08	7.65	7.85	5.77	5.77	3.50	2.69	6.19	6.41
19 Intenational Paper Energy Center 1	11.1	11.1	8.06	11.9	11.8	13.3	12.9	12.2	12.6	9.23	9.23	5.60	4.31	9.91	10.3
20 InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
21 Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
22 Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
25 Metro West Point	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
26 Nippon Paper CoGen (Port Angel)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
27 Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
28 Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
29 Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
30 Potlatch	64.4	64.4	57.8	58.2	64.4	64.0	62.7	62.0	54.7	57.4	57.4	62.7	56.7	62.8	60.6
31 Potlach NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
32 Potlach Wood Waste 1	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
33 Rock-Tenn Tacoma Kraft CoGen	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
34 Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
36 SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
37 Seneca Sawmill CoGen	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	7.70	11.4	11.4	11.1
38 Sierra Pacific - Abberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
39 Sierra Pacific - Burlington	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
40 Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57	8.18
41 SP Newsprint coGen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
42 SP Newsprint coGen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
43 SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
44 Sumas	125	125	126	129	131	132	133	131	130	129	0	128	126	125	123
45 Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
46 Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40	3.91
47 TASC0 - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16	0.06
48 TASC0 - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
49 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Vaaqen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Wah Chang CoGen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
52 Warm Springs CoGen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
53 Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
54 Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
55 Weyerhaeuser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7

**Table A-12: Regional: Cogeneration Resources**

**Operating Year 2023**

**2015 White Book** Report Date: **6/30/2015** *Continued*

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Total Cogeneration Resources</b>															
56 Cooperative	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
57 Direct Service Industry	47.0	47.0	49.0	52.9	54.1	57.2	58.5	57.6	57.5	56.5	56.5	53.6	48.7	52.7	53.8
58 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Investor Owned Utilities	1522	1522	1532	1500	1533	1595	1555	1574	1427	1504	949	1232	1374	1479	1462
60 Marketer	890	890	884	884	895	901	902	899	265	880	880	864	875	893	835
61 Municipality	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	36.2	39.9	39.9	39.6
62 Public Utility District	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20
<b>63 Total</b>	<b>2506</b>	<b>2506</b>	<b>2511</b>	<b>2485</b>	<b>2530</b>	<b>2600</b>	<b>2563</b>	<b>2578</b>	<b>1797</b>	<b>2488</b>	<b>1933</b>	<b>2193</b>	<b>2345</b>	<b>2471</b>	<b>2398</b>

**Table A-12: Regional: Cogeneration Resources**

**Operating Year 2024**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Cogeneration Resources</b>															
1 Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.9	14.9	14.4	14.4	14.9	14.4	14.9	14.7
2 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CoGen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
4 CoGen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.57	5.95	7.20	0	5.95	5.76	5.95	5.68
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.5	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209
7 Coyote Springs 2	249	249	257	245	259	272	271	262	248	245	245	240	118	246	243
8 Evergreen Biopower CoGen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9 Ferndale Cogeneration Station	238	238	241	245	250	253	253	251	249	247	247	0	241	238	225
10 Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
11 Georgia-Pacific Paper (Camas)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	6.80	10.00	10.00	9.73
12 Georgia-Pacific Paper (Wauna)	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	22.0	22.0	19.1	14.2	18.1	19.2
13 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
14 Hampton Lumber Mill (Darrington)	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
15 Hermiston Generation Project	436	436	442	413	458	466	427	461	335	412	0	412	409	431	408
16 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
17 Intenational Paper Energy Cente	18.1	18.1	13.1	19.4	19.1	21.6	21.0	19.9	20.4	15.0	15.0	10.0	7.00	16.1	16.7
18 Intenational Paper Energy Center 2	6.96	6.96	5.04	7.46	7.35	8.31	8.08	7.65	7.85	5.77	5.77	3.85	2.69	6.19	6.44
19 Intenational Paper Energy Center 1	11.1	11.1	8.06	11.9	11.8	13.3	12.9	12.2	12.6	9.23	9.23	6.15	4.31	9.91	10.3
20 InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
21 Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
22 Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
25 Metro West Point	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
26 Nippon Paper CoGen (Port Angel)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
27 Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
28 Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
29 Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
30 Potlatch	64.4	64.4	57.8	58.2	64.4	64.0	62.7	62.0	54.7	57.4	57.4	62.7	56.7	62.8	60.6
31 Potlach NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
32 Potlach Wood Waste 1	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
33 Rock-Tenn Tacoma Kraft CoGen	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
34 Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
36 SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00
37 Seneca Sawmill CoGen	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	18.0	11.4	11.4	11.4	11.4	11.7
38 Sierra Pacific - Abberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
39 Sierra Pacific - Burlington	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
40 Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57	8.18
41 SP Newsprint coGen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
42 SP Newsprint coGen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
43 SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
44 Sumas	125	125	126	129	131	132	133	131	130	129	0	128	126	125	123
45 Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
46 Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40	3.91
47 TASC0 - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16	0.06
48 TASC0 - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
49 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Vaaqen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Wah Chang CoGen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
52 Warm Springs CoGen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
53 Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
54 Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
55 Weyerhaeuser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7



**Table A-12: Regional: Cogeneration Resources  
Operating Year 2024**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Total Cogeneration Resources</b>															
56 Cooperative	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
57 Direct Service Industry	47.0	47.0	49.0	52.9	54.1	57.2	58.5	57.6	57.5	56.5	56.5	53.6	48.7	52.7	53.8
58 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Investor Owned Utilities	1522	1522	1532	1500	1571	1595	1553	1575	1426	1497	949	1245	1354	1511	1467
60 Marketer	890	890	884	884	895	901	902	899	265	880	880	865	875	893	835
61 Municipality	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	46.5	39.9	39.9	39.9	39.9	40.2
62 Public Utility District	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20
<b>63 Total</b>	<b>2506</b>	<b>2506</b>	<b>2511</b>	<b>2485</b>	<b>2567</b>	<b>2600</b>	<b>2560</b>	<b>2578</b>	<b>1795</b>	<b>2488</b>	<b>1933</b>	<b>2211</b>	<b>2324</b>	<b>2504</b>	<b>2404</b>

**Table A-12: Regional: Cogeneration Resources**  
**Operating Year 2025**  
**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Cogeneration Resources</b>															
1 Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.4	14.9	14.4	14.4	14.9	14.4	14.9	14.6
2 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CoGen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
4 CoGen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.38	5.95	7.20	0	5.95	5.76	5.95	5.67
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209
7 Coyote Springs 2	249	249	257	245	259	272	271	262	248	245	245	180	65.8	246	233
8 Evergreen Biopower CoGen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9 Ferndale Cogeneration Station	238	238	241	245	250	253	253	251	249	247	247	0	241	238	225
10 Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
11 Georgia-Pacific Paper (Camas)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
12 Georgia-Pacific Paper (Wauna)	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	22.0	22.0	19.1	14.2	18.1	19.2
13 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
14 Hampton Lumber Mill (Darrington)	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
15 Hermiston Generation Project	435	435	404	420	458	465	426	460	454	44.8	0	402	408	431	399
16 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
17 Intenational Paper Energy Cente	18.1	18.1	13.1	19.4	19.1	21.6	21.0	19.9	20.4	12.0	12.0	9.10	7.00	16.1	16.4
18 Intenational Paper Energy Center 2	6.96	6.96	5.04	7.46	7.35	8.31	8.08	7.65	7.85	4.62	4.62	3.50	2.69	6.19	6.31
19 Intenational Paper Energy Center 1	11.1	11.1	8.06	11.9	11.8	13.3	12.9	12.2	12.6	7.38	7.38	5.60	4.31	9.91	10.1
20 InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
21 Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
22 Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
25 Metro West Point	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
26 Nippon Paper CoGen (Port Angel)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
27 Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
28 Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
29 Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
30 Potlatch	64.4	64.4	57.8	58.2	64.4	64.0	62.7	62.0	54.7	57.4	57.4	62.7	56.7	62.8	60.6
31 Potlach NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
32 Potlach Wood Waste 1	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
33 Rock-Tenn Tacoma Kraft CoGen	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
34 Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
36 SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
37 Seneca Sawmill CoGen	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	7.70	11.4	11.4	11.1
38 Sierra Pacific - Abberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
39 Sierra Pacific - Burlington	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
40 Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57	8.18
41 SP Newsprint coGen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
42 SP Newsprint coGen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
43 SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
44 Sumas	125	125	126	129	131	132	133	131	130	129	0	128	126	125	123
45 Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
46 Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40	3.91
47 TASC0 - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16	0.06
48 TASC0 - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
49 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Vaaqen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Wah Chang CoGen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
52 Warm Springs CoGen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
53 Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
54 Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
55 Weyerhaeuser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7

**Table A-12: Regional: Cogeneration Resources  
Operating Year 2025**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Total Cogeneration Resources</b>															
56 Cooperative	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
57 Direct Service Industry	47.0	47.0	49.0	52.9	54.1	57.2	58.5	57.6	57.5	56.5	56.5	53.6	48.7	52.7	53.8
58 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Investor Owned Utilities	1521	1521	1494	1507	1570	1594	1552	1573	1545	1130	949	1178	1300	1511	1449
60 Marketer	890	890	884	884	895	901	902	899	265	877	877	864	875	893	835
61 Municipality	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	36.2	39.9	39.9	39.6
62 Public Utility District	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20
<b>63 Total</b>	<b>2505</b>	<b>2505</b>	<b>2474</b>	<b>2491</b>	<b>2567</b>	<b>2599</b>	<b>2560</b>	<b>2577</b>	<b>1914</b>	<b>2111</b>	<b>1930</b>	<b>2140</b>	<b>2271</b>	<b>2503</b>	<b>2384</b>

**Table A-12: Regional: Cogeneration Resources  
Operating Year 2026**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Cogeneration Resources</b>															
1 Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.4	14.9	14.4	14.4	14.9	14.4	14.9	14.6
2 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CoGen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
4 CoGen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.38	5.95	7.20	0	5.95	5.76	5.95	5.67
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209
7 Coyote Springs 2	249	249	257	245	259	272	271	262	248	245	245	240	142	246	245
8 Evergreen Biopower CoGen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9 Ferndale Cogeneration Station	238	238	241	245	250	253	253	251	249	247	247	0	241	238	225
10 Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
11 Georgia-Pacific Paper (Camas)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	6.80	10.00	10.00	9.73
12 Georgia-Pacific Paper (Wauna)	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	22.0	22.0	19.1	14.2	18.1	19.2
13 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
14 Hampton Lumber Mill (Darrington)	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
15 Hermiston Generation Project	436	436	442	413	421	467	429	461	337	418	0	395	406	399	401
16 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
17 Intenational Paper Energy Cente	18.1	18.1	13.1	19.4	19.1	21.6	21.0	19.9	20.4	11.9	11.9	9.10	7.00	16.1	16.4
18 Intenational Paper Energy Center 2	6.96	6.96	5.04	7.46	7.35	8.31	8.08	7.65	7.85	4.58	4.58	3.50	2.69	6.19	6.31
19 Intenational Paper Energy Center 1	11.1	11.1	8.06	11.9	11.8	13.3	12.9	12.2	12.6	7.32	7.32	5.60	4.31	9.91	10.1
20 InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
21 Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
22 Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
25 Metro West Point	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
26 Nippon Paper CoGen (Port Angel)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
27 Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
28 Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
29 Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
30 Potlatch	64.4	64.4	57.8	58.2	64.4	64.0	62.7	62.0	54.7	57.4	57.4	62.7	56.7	62.8	60.6
31 Potlach NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
32 Potlach Wood Waste 1	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
33 Rock-Tenn Tacoma Kraft CoGen	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
34 Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
36 SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
37 Seneca Sawmill CoGen	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	18.0	11.4	11.4	11.4	11.4	11.7
38 Sierra Pacific - Abberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
39 Sierra Pacific - Burlington	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
40 Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57	8.18
41 SP Newsprint coGen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
42 SP Newsprint coGen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
43 SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
44 Sumas	125	125	126	129	131	132	133	131	130	129	0	128	126	125	123
45 Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
46 Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40	3.91
47 TASC0 - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16	0.06
48 TASC0 - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
49 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Vaaqen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Wah Chang CoGen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
52 Warm Springs CoGen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
53 Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
54 Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
55 Weyerhaeuser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7

**Table A-12: Regional: Cogeneration Resources**

**Operating Year 2026**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Total Cogeneration Resources</b>															
56 Cooperative	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
57 Direct Service Industry	47.0	47.0	49.0	52.9	54.1	57.2	58.5	57.6	57.5	56.5	56.5	53.6	48.7	52.7	53.8
58 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Investor Owned Utilities	1522	1522	1532	1500	1533	1595	1555	1574	1427	1504	949	1228	1374	1479	1462
60 Marketer	890	890	884	884	895	901	902	899	265	877	877	864	875	893	835
61 Municipality	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	46.5	39.9	39.9	39.9	39.9	40.2
62 Public Utility District	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20
<b>63 Total</b>	<b>2506</b>	<b>2506</b>	<b>2511</b>	<b>2485</b>	<b>2530</b>	<b>2600</b>	<b>2563</b>	<b>2578</b>	<b>1797</b>	<b>2491</b>	<b>1930</b>	<b>2194</b>	<b>2345</b>	<b>2471</b>	<b>2398</b>

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***Exhibit 32***  
***Table A-13: Regional Large Thermal Resources***

***Monthly Energy***  
***Operating Year 2017 to 2026***  
***Using 1937-Water Conditions***

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**Table A-13: Regional: Large Thermal Resources  
Operating Year 2017**

**2015 White Book** Report Date: 6/30/2015

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Large Thermal Resources</b>															
1 Boardman	534	534	534	534	534	534	534	534	534	534	534	0	534	534	488
2 Centralia Complex	1253	1253	1253	1253	1253	1253	1253	1253	1192	626	626	1071	1253	1253	1181
3 Centralia 1	626	626	626	626	626	626	626	626	596	313	313	536	626	626	590
4 Centralia 2	626	626	626	626	626	626	626	626	596	313	313	536	626	626	590
5 Colstrip	1441	1441	1441	1441	1441	1441	1441	1441	1441	955	955	987	1230	1441	1345
6 Colstrip 1	141	141	141	141	141	141	141	141	141	138	138	68.0	70.5	141	128
7 Colstrip 2	141	141	141	141	141	141	141	141	141	138	138	0	0	141	117
8 Colstrip 3	481	481	481	481	481	481	481	481	481	0	0	240	481	481	421
9 Colstrip 4	679	679	679	679	679	679	679	679	679	679	679	679	679	679	679
10 Columbia Generating Station	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	347	0	971	916
11 Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1607	1924	1622	1622	1924	1909	1849
12 Jim Bridger #1	483	483	483	483	483	483	483	483	483	483	483	483	483	483	483
13 Jim Bridger #2	488	488	488	488	488	488	488	488	503	503	201	200	503	488	455
14 Jim Bridger #3	477	477	477	477	477	477	477	477	159	477	477	477	477	477	450
15 Jim Bridger #4	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461
16 Valmy	235	235	235	235	235	235	235	235	152	235	235	209	235	235	225
17 North Valmy 1	114	114	114	114	114	114	114	114	74.1	114	114	102	114	114	110
18 North Valmy 2	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116
<b>Total Large Thermal Resources</b>															
19 Federal Entities	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	347	0	971	916
20 Investor Owned Utilities	4326	4326	4326	4326	4326	4420	4420	4420	4018	3772	3470	3122	4224	4420	4162
21 Marketer	991	991	991	991	991	897	897	897	854	449	449	768	897	897	877
22 Municipality	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	0	53.4	53.4	48.8
<b>23 Total</b>	<b>6445</b>	<b>6445</b>	<b>6445</b>	<b>6445</b>	<b>6445</b>	<b>6445</b>	<b>6445</b>	<b>6445</b>	<b>6000</b>	<b>5349</b>	<b>5047</b>	<b>4236</b>	<b>5175</b>	<b>6341</b>	<b>6004</b>



**Table A-13: Regional: Large Thermal Resources  
Operating Year 2018**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg	
<b>Large Thermal Resources</b>																
1 Boardman	534	534	534	534	534	534	534	534	534	534	534	0	534	534	488	
2 Centralia Complex	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	667	1253	1253	1203	
3 Centralia 1	626	626	626	626	626	626	626	626	626	626	626	333	626	626	601	
4 Centralia 2	626	626	626	626	626	626	626	626	626	626	626	333	626	626	601	
5 Colstrip	1441	1441	1441	1441	1441	1441	1441	1441	1441	1441	1441	1346	1232	1441	1415	
6 Colstrip 1	141	141	141	141	141	141	141	141	141	141	141	93.0	0	141	125	
7 Colstrip 2	141	141	141	141	141	141	141	141	141	141	141	93.0	72.5	141	131	
8 Colstrip 3	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	
9 Colstrip 4	679	679	679	679	679	679	679	679	679	679	679	679	679	679	679	
10 Columbia Generating Station	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	
11 Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1924	1737	1541	1602	1924	1909	1863	
12 Jim Bridger #1	483	483	483	483	483	483	483	483	483	429	429	161	483	483	451	
13 Jim Bridger #2	488	488	488	488	488	488	488	488	503	503	503	503	503	488	493	
14 Jim Bridger #3	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477	
15 Jim Bridger #4	461	461	461	461	461	461	461	461	461	329	132	461	461	461	442	
16 Valmy	235	235	235	235	235	235	235	235	152	235	235	209	235	235	225	
17 North Valmy 1	114	114	114	114	114	114	114	114	74.1	114	114	102	114	114	110	
18 North Valmy 2	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116	
<b>Total Large Thermal Resources</b>																
19 Federal Entities	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	
20 Investor Owned Utilities	4420	4420	4420	4420	4420	4420	4420	4420	4352	4248	4052	3346	4226	4420	4285	
21 Marketer	897	897	897	897	897	897	897	897	897	897	897	478	897	897	862	
22 Municipality	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	0	53.4	53.4	48.8	
<b>23 Total</b>	<b>6445</b>	<b>6445</b>	<b>6445</b>	<b>6445</b>	<b>6445</b>	<b>6445</b>	<b>6445</b>	<b>6445</b>	<b>6378</b>	<b>6274</b>	<b>6078</b>	<b>4899</b>	<b>6252</b>	<b>6445</b>	<b>6270</b>	

**Table A-13: Regional: Large Thermal Resources**

**Operating Year 2019**

**2015 White Book** Report Date: 6/30/2015

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg	
<b>Large Thermal Resources</b>																
1 Boardman	534	534	534	534	534	534	534	534	534	534	534	0	534	534	488	
2 Centralia Complex	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	667	1253	1253	1203	
3 Centralia 1	626	626	626	626	626	626	626	626	626	626	626	333	626	626	601	
4 Centralia 2	626	626	626	626	626	626	626	626	626	626	626	333	626	626	601	
5 Colstrip	1441	1441	1441	1441	1441	1441	1441	1441	1441	734	734	1047	1441	1441	1349	
6 Colstrip 1	141	141	141	141	141	141	141	141	141	127	127	114	141	141	137	
7 Colstrip 2	141	141	141	141	141	141	141	141	141	127	127	114	141	141	137	
8 Colstrip 3	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	
9 Colstrip 4	679	679	679	679	679	679	679	679	679	0	0	340	679	679	594	
10 Columbia Generating Station	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	347	0	971	916	
11 Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1730	1743	1547	1924	1924	1909	1875	
12 Jim Bridger #1	483	483	483	483	483	483	483	483	483	435	435	483	483	483	479	
13 Jim Bridger #2	488	488	488	488	488	488	488	488	308	503	503	503	503	488	476	
14 Jim Bridger #3	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477	
15 Jim Bridger #4	461	461	461	461	461	461	461	461	461	329	132	461	461	461	442	
16 Valmy	235	235	235	235	235	235	235	235	152	235	235	209	235	235	225	
17 North Valmy 1	114	114	114	114	114	114	114	114	74.1	114	114	102	114	114	110	
18 North Valmy 2	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116	
<b>Total Large Thermal Resources</b>																
19 Federal Entities	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	347	0	971	916	
20 Investor Owned Utilities	4420	4420	4420	4420	4420	4420	4473	4473	4211	3601	3404	3370	4488	4473	4256	
21 Marketer	897	897	897	897	897	897	897	897	897	897	897	478	897	897	862	
22 Municipality	53.4	53.4	53.4	53.4	53.4	53.4	0	0	0	0	0	0	0	0	22.4	
<b>23 Total</b>	<b>6445</b>	<b>6445</b>	<b>6445</b>	<b>6445</b>	<b>6445</b>	<b>6445</b>	<b>6445</b>	<b>6445</b>	<b>6184</b>	<b>5573</b>	<b>5377</b>	<b>4194</b>	<b>5386</b>	<b>6341</b>	<b>6056</b>	

**Table A-13: Regional: Large Thermal Resources  
Operating Year 2020**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg	
<b>Large Thermal Resources</b>																
1 Boardman	534	534	534	534	534	534	534	534	534	534	534	0	534	534	489	
2 Centralia Complex	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	667	1253	1253	1203	
3 Centralia 1	626	626	626	626	626	626	626	626	626	626	626	333	626	626	601	
4 Centralia 2	626	626	626	626	626	626	626	626	626	626	626	333	626	626	601	
5 Colstrip	1441	1441	1441	1441	1441	1441	1441	1441	1441	955	955	987	1230	1441	1345	
6 Colstrip 1	141	141	141	141	141	141	141	141	141	138	138	68.0	70.5	141	128	
7 Colstrip 2	141	141	141	141	141	141	141	141	141	138	138	0	0	141	117	
8 Colstrip 3	481	481	481	481	481	481	481	481	481	0	0	240	481	481	421	
9 Colstrip 4	679	679	679	679	679	679	679	679	679	679	679	679	679	679	679	
10 Columbia Generating Station	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	
11 Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1892	1470	1273	1602	1924	1909	1839	
12 Jim Bridger #1	483	483	483	483	483	483	483	483	451	161	161	161	483	483	427	
13 Jim Bridger #2	488	488	488	488	488	488	488	488	503	503	503	503	503	488	493	
14 Jim Bridger #3	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477	
15 Jim Bridger #4	461	461	461	461	461	461	461	461	461	329	132	461	461	461	442	
16 Valmy	235	235	235	235	235	235	235	235	152	235	235	209	235	235	226	
17 North Valmy 1	114	114	114	114	114	114	114	114	74.1	114	114	102	114	114	110	
18 North Valmy 2	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116	
<b>Total Large Thermal Resources</b>																
19 Federal Entities	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	
20 Investor Owned Utilities	4473	4473	4473	4473	4473	4473	4473	4473	4374	3548	3352	2988	4278	4473	4239	
21 Marketer	897	897	897	897	897	897	897	897	897	897	897	478	897	897	862	
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>23 Total</b>	<b>6445</b>	<b>6445</b>	<b>6445</b>	<b>6445</b>	<b>6445</b>	<b>6445</b>	<b>6445</b>	<b>6445</b>	<b>6346</b>	<b>5521</b>	<b>5324</b>	<b>4540</b>	<b>6250</b>	<b>6445</b>	<b>6176</b>	

**Table A-13: Regional: Large Thermal Resources**

**Operating Year 2021**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Large Thermal Resources</b>															
1 Boardman	534	534	534	534	534	534	0	0	0	0	0	0	0	0	224
2 Centralia Complex	1253	1253	1253	1253	1253	626	626	626	626	626	626	333	626	626	811
3 Centralia 1	626	626	626	626	626	0	0	0	0	0	0	0	0	0	209
4 Centralia 2	626	626	626	626	626	626	626	626	626	626	626	333	626	626	601
5 Colstrip	1441	1441	1441	1441	1441	1441	1441	1441	1441	1441	1441	1346	1232	1441	1415
6 Colstrip 1	141	141	141	141	141	141	141	141	141	141	141	93.0	0	141	125
7 Colstrip 2	141	141	141	141	141	141	141	141	141	141	141	93.0	72.5	141	131
8 Colstrip 3	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481
9 Colstrip 4	679	679	679	679	679	679	679	679	679	679	679	679	679	679	679
10 Columbia Generating Station	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	347	0	971	916
11 Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1730	1792	1596	1924	1924	1909	1878
12 Jim Bridger #1	483	483	483	483	483	483	483	483	483	483	483	483	483	483	483
13 Jim Bridger #2	488	488	488	488	488	488	488	488	308	503	503	503	503	488	476
14 Jim Bridger #3	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
15 Jim Bridger #4	461	461	461	461	461	461	461	461	461	329	132	461	461	461	442
16 Valmy	235	235	235	235	235	235	235	235	152	235	235	209	235	235	225
17 North Valmy 1	114	114	114	114	114	114	114	114	74.1	114	114	102	114	114	110
18 North Valmy 2	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116
<b>Total Large Thermal Resources</b>															
19 Federal Entities	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	347	0	971	916
20 Investor Owned Utilities	4473	4473	4473	4473	4473	4473	3939	3939	3677	3822	3626	3668	3746	3939	4084
21 Marketer	897	897	897	897	897	271	271	271	271	271	271	144	271	271	470
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>23 Total</b>	<b>6445</b>	<b>6445</b>	<b>6445</b>	<b>6445</b>	<b>6445</b>	<b>5819</b>	<b>5285</b>	<b>5285</b>	<b>5024</b>	<b>5169</b>	<b>4972</b>	<b>4159</b>	<b>4017</b>	<b>5181</b>	<b>5470</b>

**Table A-13: Regional: Large Thermal Resources**

**Operating Year 2022**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Large Thermal Resources</b>															
1 Boardman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Centralia Complex	626	626	626	626	626	626	626	626	596	313	313	536	626	626	590
3 Centralia 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Centralia 2	626	626	626	626	626	626	626	626	596	313	313	536	626	626	590
5 Colstrip	1441	1441	1441	1441	1441	1441	1441	1441	1441	748	748	1027	1441	1441	1349
6 Colstrip 1	141	141	141	141	141	141	141	141	141	141	141	93.0	141	141	136
7 Colstrip 2	141	141	141	141	141	141	141	141	141	127	127	114	141	141	137
8 Colstrip 3	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481
9 Colstrip 4	679	679	679	679	679	679	679	679	679	0	0	340	679	679	594
10 Columbia Generating Station	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075
11 Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1924	1481	1284	1924	1924	1909	1869
12 Jim Bridger #1	483	483	483	483	483	483	483	483	483	172	172	483	483	483	458
13 Jim Bridger #2	488	488	488	488	488	488	488	488	488	503	503	503	503	488	493
14 Jim Bridger #3	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
15 Jim Bridger #4	461	461	461	461	461	461	461	461	461	329	132	461	461	461	442
16 Valmy	235	235	235	235	235	235	120	120	77.9	120	120	107	120	120	164
17 North Valmy 1	114	114	114	114	114	114	0	0	0	0	0	0	0	0	48.0
18 North Valmy 2	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116
<b>Total Large Thermal Resources</b>															
19 Federal Entities	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075
20 Investor Owned Utilities	3939	3939	3939	3939	3939	3939	3825	3825	3781	2526	2330	3362	3840	3825	3716
21 Marketer	271	271	271	271	271	271	271	271	258	136	136	232	271	271	256
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>23 Total</b>	<b>5285</b>	<b>5285</b>	<b>5285</b>	<b>5285</b>	<b>5285</b>	<b>5285</b>	<b>5171</b>	<b>5171</b>	<b>5114</b>	<b>3737</b>	<b>3540</b>	<b>4669</b>	<b>5186</b>	<b>5171</b>	<b>5047</b>

**Table A-13: Regional: Large Thermal Resources**

**Operating Year 2023**

**2015 White Book** Report Date: 6/30/2015

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg	
<b>Large Thermal Resources</b>																
1 Boardman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2 Centralia Complex	626	626	626	626	626	626	626	626	596	313	313	536	626	626	590	
3 Centralia 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4 Centralia 2	626	626	626	626	626	626	626	626	596	313	313	536	626	626	590	
5 Colstrip	1441	1441	1441	1441	1441	1441	1441	1441	1441	958	958	1012	1230	1441	1347	
6 Colstrip 1	141	141	141	141	141	141	141	141	141	141	141	93.0	70.5	141	131	
7 Colstrip 2	141	141	141	141	141	141	141	141	141	138	138	0	0	141	117	
8 Colstrip 3	481	481	481	481	481	481	481	481	481	0	0	240	481	481	421	
9 Colstrip 4	679	679	679	679	679	679	679	679	679	679	679	679	679	679	679	
10 Columbia Generating Station	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	347	0	971	916	
11 Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1730	1792	1596	1924	1924	1909	1878	
12 Jim Bridger #1	483	483	483	483	483	483	483	483	483	483	483	483	483	483	483	
13 Jim Bridger #2	488	488	488	488	488	488	488	488	308	503	503	503	503	488	476	
14 Jim Bridger #3	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477	
15 Jim Bridger #4	461	461	461	461	461	461	461	461	461	329	132	461	461	461	442	
16 Valmy	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116	
17 North Valmy 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18 North Valmy 2	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116	
<b>Total Large Thermal Resources</b>																
19 Federal Entities	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	347	0	971	916	
20 Investor Owned Utilities	3825	3825	3825	3825	3825	3825	3825	3825	3586	3047	2851	3347	3630	3825	3676	
21 Marketer	271	271	271	271	271	271	271	271	258	136	136	232	271	271	256	
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>23 Total</b>	<b>5171</b>	<b>5171</b>	<b>5171</b>	<b>5171</b>	<b>5171</b>	<b>5171</b>	<b>5171</b>	<b>5171</b>	<b>4919</b>	<b>4258</b>	<b>4061</b>	<b>3926</b>	<b>3901</b>	<b>5067</b>	<b>4848</b>	

**Table A-13: Regional: Large Thermal Resources  
Operating Year 2024**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Large Thermal Resources</b>															
1 Boardman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Centralia Complex	626	626	626	626	626	626	626	626	626	626	626	333	626	626	601
3 Centralia 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Centralia 2	626	626	626	626	626	626	626	626	626	626	626	333	626	626	601
5 Colstrip	1441	1441	1441	1441	1441	1441	1441	1441	1441	1441	1441	1346	1232	1441	1416
6 Colstrip 1	141	141	141	141	141	141	141	141	141	141	141	93.0	0	141	125
7 Colstrip 2	141	141	141	141	141	141	141	141	141	141	141	93.0	72.5	141	131
8 Colstrip 3	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481
9 Colstrip 4	679	679	679	679	679	679	679	679	679	679	679	679	679	679	679
10 Columbia Generating Station	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075
11 Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1924	1737	1541	1602	1924	1909	1863
12 Jim Bridger #1	483	483	483	483	483	483	483	483	483	429	429	161	483	483	451
13 Jim Bridger #2	488	488	488	488	488	488	488	488	503	503	503	503	503	488	493
14 Jim Bridger #3	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
15 Jim Bridger #4	461	461	461	461	461	461	461	461	461	329	132	461	461	461	442
16 Valmy	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116
17 North Valmy 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 North Valmy 2	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116
<b>Total Large Thermal Resources</b>															
19 Federal Entities	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075
20 Investor Owned Utilities	3825	3825	3825	3825	3825	3825	3825	3825	3798	3653	3457	3244	3632	3825	3735
21 Marketer	271	271	271	271	271	271	271	271	271	271	271	144	271	271	260
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>23 Total</b>	<b>5171</b>	<b>5171</b>	<b>5171</b>	<b>5171</b>	<b>5171</b>	<b>5171</b>	<b>5171</b>	<b>5171</b>	<b>5144</b>	<b>5000</b>	<b>4803</b>	<b>4463</b>	<b>4978</b>	<b>5171</b>	<b>5071</b>

**Table A-13: Regional: Large Thermal Resources**

**Operating Year 2025**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Large Thermal Resources</b>															
1 Boardman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Centralia Complex	626	626	626	626	626	626	626	626	626	626	626	333	626	626	601
3 Centralia 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Centralia 2	626	626	626	626	626	626	626	626	626	626	626	333	626	626	601
5 Colstrip	1441	1441	1441	1441	1441	1441	1441	1441	1441	734	734	1047	1441	1441	1349
6 Colstrip 1	141	141	141	141	141	141	141	141	141	127	127	114	141	141	137
7 Colstrip 2	141	141	141	141	141	141	141	141	141	127	127	114	141	141	137
8 Colstrip 3	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481
9 Colstrip 4	679	679	679	679	679	679	679	679	679	0	0	340	679	679	594
10 Columbia Generating Station	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	347	0	971	916
11 Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1730	1743	1547	1924	1924	1909	1875
12 Jim Bridger #1	483	483	483	483	483	483	483	483	483	435	435	483	483	483	479
13 Jim Bridger #2	488	488	488	488	488	488	488	488	308	503	503	503	503	488	476
14 Jim Bridger #3	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
15 Jim Bridger #4	461	461	461	461	461	461	461	461	461	329	132	461	461	461	442
16 Valmy	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116
17 North Valmy 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 North Valmy 2	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116
<b>Total Large Thermal Resources</b>															
19 Federal Entities	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	347	0	971	916
20 Investor Owned Utilities	3825	3825	3825	3825	3825	3825	3825	3825	3603	2952	2756	3268	3840	3825	3680
21 Marketer	271	271	271	271	271	271	271	271	271	271	271	144	271	271	260
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>23 Total</b>	<b>5171</b>	<b>5171</b>	<b>5171</b>	<b>5171</b>	<b>5171</b>	<b>5171</b>	<b>5171</b>	<b>5171</b>	<b>4949</b>	<b>4299</b>	<b>4102</b>	<b>3759</b>	<b>4111</b>	<b>5067</b>	<b>4857</b>



**Table A-13: Regional: Large Thermal Resources**

**Operating Year 2026**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Large Thermal Resources</b>															
1 Boardman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Centralia Complex	626	626	626	626	626	0	0	0	0	0	0	0	0	0	209
3 Centralia 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Centralia 2	626	626	626	626	626	0	0	0	0	0	0	0	0	0	209
5 Colstrip	1441	1441	1441	1441	1441	1441	1441	1441	1441	955	955	987	1230	1441	1345
6 Colstrip 1	141	141	141	141	141	141	141	141	141	138	138	68.0	70.5	141	128
7 Colstrip 2	141	141	141	141	141	141	141	141	141	138	138	0	0	141	117
8 Colstrip 3	481	481	481	481	481	481	481	481	481	0	0	240	481	481	421
9 Colstrip 4	679	679	679	679	679	679	679	679	679	679	679	679	679	679	679
10 Columbia Generating Station	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075
11 Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1892	1470	1273	1602	1924	1909	1838
12 Jim Bridger #1	483	483	483	483	483	483	483	483	451	161	161	161	483	483	427
13 Jim Bridger #2	488	488	488	488	488	488	488	488	503	503	503	503	503	488	493
14 Jim Bridger #3	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
15 Jim Bridger #4	461	461	461	461	461	461	461	461	461	329	132	461	461	461	442
16 Valmy	120	120	120	120	120	120	0	0	0	0	0	0	0	0	50.4
17 North Valmy 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 North Valmy 2	120	120	120	120	120	120	0	0	0	0	0	0	0	0	50.4
<b>Total Large Thermal Resources</b>															
19 Federal Entities	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075
20 Investor Owned Utilities	3825	3825	3825	3825	3825	3470	3349	3349	3333	2425	2228	2589	3154	3349	3353
21 Marketer	271	271	271	271	271	0	0	0	0	0	0	0	0	0	90.7
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>23 Total</b>	<b>5171</b>	<b>5171</b>	<b>5171</b>	<b>5171</b>	<b>5171</b>	<b>4545</b>	<b>4424</b>	<b>4424</b>	<b>4408</b>	<b>3500</b>	<b>3303</b>	<b>3664</b>	<b>4229</b>	<b>4424</b>	<b>4518</b>

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***Exhibit 33***  
***Table A-14: Regional Small Thermal & Miscellaneous***  
  
***Monthly Energy***  
***Operating Year 2017 to 2026***  
***Using 1937-Water Conditions***

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**Table A-14: Regional: Small Thermal & Miscellaneous**

**Operating Year 2017**

**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg	
<b>Small Thermal &amp; Miscellaneous</b>																
1 Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2 Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3 Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4 Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5 Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8	
6 Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	
7 Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8 Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
10 Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11 Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12 Spokane MSW	13.7	13.7	15.4	16.1	17.6	15.3	14.6	14.0	16.9	13.4	13.4	14.3	11.8	15.9	14.9	
13 West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13	
<b>Total Small Thermal &amp; Miscellaneous</b>																
14 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15 Investor Owned Utilities	30.1	30.2	35.7	37.4	36.3	37.9	37.7	36.1	37.7	33.6	33.4	37.5	33.0	35.1	35.7	
16 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17 Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	
<b>18 Total</b>	<b>30.3</b>	<b>30.4</b>	<b>35.9</b>	<b>37.6</b>	<b>36.5</b>	<b>38.1</b>	<b>37.9</b>	<b>36.3</b>	<b>37.9</b>	<b>33.8</b>	<b>33.6</b>	<b>37.7</b>	<b>33.2</b>	<b>35.3</b>	<b>35.9</b>	

**Table A-14: Regional: Small Thermal & Miscellaneous**

**Operating Year 2018**

**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Small Thermal &amp; Miscellaneous</b>															
1 Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6 Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7 Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10 Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Spokane MSW	13.7	13.7	15.4	16.1	17.6	15.3	14.6	14.0	16.9	13.4	13.4	14.3	11.8	15.9	14.9
13 West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
<b>Total Small Thermal &amp; Miscellaneous</b>															
14 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Investor Owned Utilities	30.1	30.2	35.7	37.4	36.3	37.9	37.7	36.1	37.7	33.6	33.4	37.5	33.0	35.1	35.7
16 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
<b>18 Total</b>	<b>30.3</b>	<b>30.4</b>	<b>35.9</b>	<b>37.6</b>	<b>36.5</b>	<b>38.1</b>	<b>37.9</b>	<b>36.3</b>	<b>37.9</b>	<b>33.8</b>	<b>33.6</b>	<b>37.7</b>	<b>33.2</b>	<b>35.3</b>	<b>35.9</b>

**Table A-14: Regional: Small Thermal & Miscellaneous**

**Operating Year 2019**

**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Small Thermal &amp; Miscellaneous</b>															
1 Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6 Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7 Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10 Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Spokane MSW	13.7	13.7	15.4	16.1	17.6	15.3	14.6	14.0	16.9	13.4	13.4	14.3	11.8	15.9	14.9
13 West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
<b>Total Small Thermal &amp; Miscellaneous</b>															
14 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Investor Owned Utilities	30.1	30.2	35.7	37.4	36.3	37.9	37.7	36.1	37.7	33.6	33.4	37.5	33.0	35.1	35.7
16 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
<b>18 Total</b>	<b>30.3</b>	<b>30.4</b>	<b>35.9</b>	<b>37.6</b>	<b>36.5</b>	<b>38.1</b>	<b>37.9</b>	<b>36.3</b>	<b>37.9</b>	<b>33.8</b>	<b>33.6</b>	<b>37.7</b>	<b>33.2</b>	<b>35.3</b>	<b>35.9</b>

**Table A-14: Regional: Small Thermal & Miscellaneous**

**Operating Year 2020**

**2015 White Book** Report Date: **6/30/2015**

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Small Thermal &amp; Miscellaneous</b>															
1 Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6 Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7 Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10 Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Spokane MSW	13.7	13.7	15.4	16.1	17.6	15.3	14.6	14.0	16.9	13.4	13.4	14.3	11.8	15.9	14.9
13 West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
<b>Total Small Thermal &amp; Miscellaneous</b>															
14 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Investor Owned Utilities	30.1	30.2	35.7	37.4	36.3	37.9	37.7	36.1	37.7	33.6	33.4	37.5	33.0	35.1	35.7
16 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
<b>18 Total</b>	<b>30.3</b>	<b>30.4</b>	<b>35.9</b>	<b>37.6</b>	<b>36.5</b>	<b>38.1</b>	<b>37.9</b>	<b>36.3</b>	<b>37.9</b>	<b>33.8</b>	<b>33.6</b>	<b>37.7</b>	<b>33.2</b>	<b>35.3</b>	<b>35.9</b>

**Table A-14: Regional: Small Thermal & Miscellaneous**

**Operating Year 2021**

**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Small Thermal &amp; Miscellaneous</b>															
1 Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6 Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7 Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10 Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Spokane MSW	13.7	13.7	15.4	16.1	17.6	15.3	14.6	14.0	16.9	13.4	13.4	14.3	11.8	15.9	14.9
13 West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
<b>Total Small Thermal &amp; Miscellaneous</b>															
14 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Investor Owned Utilities	30.1	30.2	35.7	37.4	36.3	37.9	37.7	36.1	37.7	33.6	33.4	37.5	33.0	35.1	35.7
16 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
<b>18 Total</b>	<b>30.3</b>	<b>30.4</b>	<b>35.9</b>	<b>37.6</b>	<b>36.5</b>	<b>38.1</b>	<b>37.9</b>	<b>36.3</b>	<b>37.9</b>	<b>33.8</b>	<b>33.6</b>	<b>37.7</b>	<b>33.2</b>	<b>35.3</b>	<b>35.9</b>



**Table A-14: Regional: Small Thermal & Miscellaneous**

**Operating Year 2022**

**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Small Thermal &amp; Miscellaneous</b>															
1 Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6 Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7 Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10 Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Spokane MSW	13.7	13.7	15.4	16.1	17.6	15.3	14.6	14.0	16.9	13.4	13.4	14.3	11.8	15.9	14.9
13 West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
<b>Total Small Thermal &amp; Miscellaneous</b>															
14 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Investor Owned Utilities	30.1	30.2	35.7	37.4	36.3	37.9	37.7	36.1	37.7	33.6	33.4	37.5	33.0	35.1	35.7
16 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
<b>18 Total</b>	<b>30.3</b>	<b>30.4</b>	<b>35.9</b>	<b>37.6</b>	<b>36.5</b>	<b>38.1</b>	<b>37.9</b>	<b>36.3</b>	<b>37.9</b>	<b>33.8</b>	<b>33.6</b>	<b>37.7</b>	<b>33.2</b>	<b>35.3</b>	<b>35.9</b>

**Table A-14: Regional: Small Thermal & Miscellaneous**

**Operating Year 2023**

**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Small Thermal &amp; Miscellaneous</b>															
1 Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6 Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7 Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10 Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Spokane MSW	13.7	13.7	15.4	16.1	17.6	15.3	14.6	14.0	16.9	13.4	13.4	14.3	11.8	15.9	14.9
13 West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
<b>Total Small Thermal &amp; Miscellaneous</b>															
14 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Investor Owned Utilities	30.1	30.2	35.7	37.4	36.3	37.9	37.7	36.1	37.7	33.6	33.4	37.5	33.0	35.1	35.7
16 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
<b>18 Total</b>	<b>30.3</b>	<b>30.4</b>	<b>35.9</b>	<b>37.6</b>	<b>36.5</b>	<b>38.1</b>	<b>37.9</b>	<b>36.3</b>	<b>37.9</b>	<b>33.8</b>	<b>33.6</b>	<b>37.7</b>	<b>33.2</b>	<b>35.3</b>	<b>35.9</b>

**Table A-14: Regional: Small Thermal & Miscellaneous**

**Operating Year 2024**

**2015 White Book** Report Date: 6/30/2015

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Small Thermal &amp; Miscellaneous</b>															
1 Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6 Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7 Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10 Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Spokane MSW	13.7	13.7	15.4	16.1	17.6	15.3	14.6	14.0	16.9	13.4	13.4	14.3	11.8	15.9	14.9
13 West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
<b>Total Small Thermal &amp; Miscellaneous</b>															
14 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Investor Owned Utilities	30.1	30.2	35.7	37.4	36.3	37.9	37.7	36.1	37.7	33.6	33.4	37.5	33.0	35.1	35.7
16 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
<b>18 Total</b>	<b>30.3</b>	<b>30.4</b>	<b>35.9</b>	<b>37.6</b>	<b>36.5</b>	<b>38.1</b>	<b>37.9</b>	<b>36.3</b>	<b>37.9</b>	<b>33.8</b>	<b>33.6</b>	<b>37.7</b>	<b>33.2</b>	<b>35.3</b>	<b>35.9</b>

**Table A-14: Regional: Small Thermal & Miscellaneous**

**Operating Year 2025**

**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Small Thermal &amp; Miscellaneous</b>															
1 Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6 Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7 Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10 Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Spokane MSW	13.7	13.7	15.4	16.1	17.6	15.3	14.6	14.0	16.9	13.4	13.4	14.3	11.8	15.9	14.9
13 West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
<b>Total Small Thermal &amp; Miscellaneous</b>															
14 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Investor Owned Utilities	30.1	30.2	35.7	37.4	36.3	37.9	37.7	36.1	37.7	33.6	33.4	37.5	33.0	35.1	35.7
16 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
<b>18 Total</b>	<b>30.3</b>	<b>30.4</b>	<b>35.9</b>	<b>37.6</b>	<b>36.5</b>	<b>38.1</b>	<b>37.9</b>	<b>36.3</b>	<b>37.9</b>	<b>33.8</b>	<b>33.6</b>	<b>37.7</b>	<b>33.2</b>	<b>35.3</b>	<b>35.9</b>

**Table A-14: Regional: Small Thermal & Miscellaneous**

**Operating Year 2026**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Small Thermal &amp; Miscellaneous</b>															
1 Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6 Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7 Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10 Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Spokane MSW	13.7	13.7	15.4	16.1	17.6	15.3	14.6	14.0	16.9	13.4	13.4	14.3	11.8	15.9	14.9
13 West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
<b>Total Small Thermal &amp; Miscellaneous</b>															
14 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Investor Owned Utilities	30.1	30.2	35.7	37.4	36.3	37.9	37.7	36.1	37.7	33.6	33.4	37.5	33.0	35.1	35.7
16 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
<b>18 Total</b>	<b>30.3</b>	<b>30.4</b>	<b>35.9</b>	<b>37.6</b>	<b>36.5</b>	<b>38.1</b>	<b>37.9</b>	<b>36.3</b>	<b>37.9</b>	<b>33.8</b>	<b>33.6</b>	<b>37.7</b>	<b>33.2</b>	<b>35.3</b>	<b>35.9</b>

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***Exhibit 34***  
***Table A-15: Non-Federal CER Deliveries to BPA***

***Monthly Energy***  
***Operating Year 2017 to 2026***  
***Using 1937-Water Conditions***

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**Table A-15: Non-Federal CER Deliveries to BPA**

**Operating Year: 2017**

**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Pacific Northwest</b>															
1 CHPD to BPA CEAEA for Rock Island	18.5	18.7	18.5	17.9	18.0	18.0	17.3	17.7	18.0	18.5	17.1	18.6	18.5	17.9	18.1
2 CHPD to BPA CEAEA for Rocky Reach	38.1	38.5	38.1	36.9	37.6	37.7	36.3	37.1	37.8	38.1	35.2	38.3	38.1	36.9	37.5
3 DOPD to BPA CEAEA for Wells	24.3	24.5	24.3	23.5	24.2	24.4	23.5	24.0	24.2	24.3	22.4	24.4	24.3	23.5	24.0
4 GCPD to BPA CEAEA for Priest Rapids	29.5	29.8	29.5	28.5	29.4	29.6	29.0	29.7	30.2	29.5	27.2	29.6	29.5	28.5	29.3
5 GCPD to BPA CEAEA for Wanpum	28.9	29.2	28.9	27.6	28.3	28.5	27.4	28.0	28.5	28.3	26.1	28.5	28.3	27.4	28.1
<b>6 Total Imports From PNW</b>	<b>139</b>	<b>141</b>	<b>139</b>	<b>134</b>	<b>138</b>	<b>138</b>	<b>134</b>	<b>137</b>	<b>139</b>	<b>139</b>	<b>128</b>	<b>139</b>	<b>139</b>	<b>134</b>	<b>137</b>



**Table A-15: Non-Federal CER Deliveries to BPA**

**Operating Year: 2018**

**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Pacific Northwest</b>															
1 CHPD to BPA CEAEA for Rock Island	18.5	18.7	18.5	17.8	17.9	17.3	18.0	17.7	18.0	16.5	17.9	18.0	17.9	17.3	17.9
2 CHPD to BPA CEAEA for Rocky Reach	38.1	38.5	38.1	36.6	37.5	36.3	37.7	37.1	37.8	34.7	37.6	37.7	37.6	36.3	37.3
3 DOPD to BPA CEAEA for Wells	24.3	24.5	24.3	23.5	24.2	23.5	24.4	24.0	23.9	22.4	24.3	24.4	24.3	23.5	24.0
4 GCPD to BPA CEAEA for Priest Rapids	29.5	29.8	29.5	28.5	29.4	28.5	29.8	29.7	30.2	27.2	29.5	29.6	29.5	28.5	29.3
5 GCPD to BPA CEAEA for Wanpum	28.3	28.6	28.3	27.8	28.8	28.0	29.0	28.6	29.1	26.1	28.3	28.5	28.3	27.4	28.3
<b>6 Total Imports From PNW</b>	<b>139</b>	<b>140</b>	<b>139</b>	<b>134</b>	<b>138</b>	<b>134</b>	<b>139</b>	<b>137</b>	<b>139</b>	<b>127</b>	<b>138</b>	<b>138</b>	<b>138</b>	<b>133</b>	<b>137</b>

**Table A-15: Non-Federal CER Deliveries to BPA**

**Operating Year: 2019**

**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Pacific Northwest</b>															
1 CHPD to BPA CEAEA for Rock Island	17.9	18.1	17.2	18.1	18.5	17.9	18.6	18.3	17.9	18.5	18.5	18.6	17.8	18.6	18.2
2 CHPD to BPA CEAEA for Rocky Reach	37.6	37.9	36.1	37.7	37.5	36.3	38.3	37.7	37.0	38.1	38.1	38.3	36.7	38.3	37.5
3 DOPD to BPA CEAEA for Wells	24.3	24.5	23.3	24.4	24.2	23.4	23.8	23.4	23.0	23.7	23.7	23.8	22.8	23.8	23.7
4 GCPD to BPA CEAEA for Priest Rapids	29.5	29.8	28.3	29.6	29.4	28.5	29.6	29.1	28.3	28.9	28.9	29.0	27.8	29.0	28.9
5 GCPD to BPA CEAEA for Wanpum	28.3	28.6	27.2	28.5	28.3	27.5	29.0	28.6	28.0	28.9	28.9	29.0	27.8	29.0	28.4
<b>6 Total Imports From PNW</b>	<b>138</b>	<b>139</b>	<b>132</b>	<b>138</b>	<b>138</b>	<b>134</b>	<b>139</b>	<b>137</b>	<b>134</b>	<b>138</b>	<b>138</b>	<b>139</b>	<b>133</b>	<b>139</b>	<b>137</b>

**Table A-15: Non-Federal CER Deliveries to BPA**

**Operating Year: 2020**

**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Pacific Northwest</b>															
1 CHPD to BPA CEAEA for Rock Island	18.5	18.7	17.8	18.6	18.5	17.9	18.6	18.4	17.9	18.5	18.5	17.9	18.5	18.6	18.3
2 CHPD to BPA CEAEA for Rocky Reach	38.1	38.5	36.7	38.3	38.1	36.9	38.3	37.9	37.0	38.1	38.1	36.9	38.1	38.3	37.7
3 DOPD to BPA CEAEA for Wells	23.7	23.9	22.8	23.8	23.7	22.9	23.8	23.6	23.0	23.7	23.7	22.9	23.7	23.8	23.4
4 GCPD to BPA CEAEA for Priest Rapids	28.9	29.2	27.8	29.0	28.8	28.0	29.0	28.7	28.0	28.9	28.9	28.0	28.9	29.0	28.6
5 GCPD to BPA CEAEA for Wanpum	28.9	29.2	27.8	29.0	28.8	28.0	29.0	28.7	28.0	28.9	28.9	28.0	28.9	29.0	28.6
<b>6 Total Imports From PNW</b>	<b>138</b>	<b>139</b>	<b>133</b>	<b>139</b>	<b>138</b>	<b>134</b>	<b>139</b>	<b>137</b>	<b>134</b>	<b>138</b>	<b>138</b>	<b>134</b>	<b>138</b>	<b>139</b>	<b>137</b>

**Table A-15: Non-Federal CER Deliveries to BPA**

**Operating Year: 2021**

**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Pacific Northwest</b>															
1 CHPD to BPA CEAEA for Rock Island	18.5	17.3	18.5	18.6	17.8	18.6	17.9	18.3	18.6	18.5	18.5	17.9	18.5	18.6	18.3
2 CHPD to BPA CEAEA for Rocky Reach	38.1	35.8	38.1	38.3	36.6	38.3	36.9	37.7	38.4	38.1	38.1	36.9	38.1	38.3	37.7
3 DOPD to BPA CEAEA for Wells	23.7	22.2	23.7	23.8	22.7	23.8	22.9	23.4	23.8	23.7	23.7	22.9	23.7	23.8	23.4
4 GCPD to BPA CEAEA for Priest Rapids	28.9	27.1	28.9	29.0	27.7	29.0	28.0	28.6	29.1	28.9	28.9	28.0	28.9	29.0	28.6
5 GCPD to BPA CEAEA for Wanpum	28.9	27.1	28.9	29.0	27.7	29.0	28.0	28.6	29.1	28.9	28.9	28.0	28.9	29.0	28.6
<b>6 Total Imports From PNW</b>	<b>138</b>	<b>129</b>	<b>138</b>	<b>139</b>	<b>133</b>	<b>139</b>	<b>134</b>	<b>137</b>	<b>139</b>	<b>138</b>	<b>138</b>	<b>134</b>	<b>138</b>	<b>139</b>	<b>137</b>

**Table A-15: Non-Federal CER Deliveries to BPA**

**Operating Year: 2022**

**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Pacific Northwest</b>															
1 CHPD to BPA CEAEA for Rock Island	17.1	18.7	18.5	17.9	18.5	18.6	17.9	18.3	18.6	18.5	18.5	17.9	18.5	17.9	18.2
2 CHPD to BPA CEAEA for Rocky Reach	35.2	38.5	38.1	36.9	38.1	38.3	36.9	37.7	38.4	38.1	38.1	36.9	38.1	36.9	37.6
3 DOPD to BPA CEAEA for Wells	21.9	23.9	23.7	22.9	23.7	23.8	22.9	23.4	23.8	23.7	23.7	22.9	23.7	22.9	23.4
4 GCPD to BPA CEAEA for Priest Rapids	26.7	29.2	28.9	28.0	28.8	29.0	28.0	28.6	29.1	28.9	28.9	28.0	28.9	28.0	28.5
5 GCPD to BPA CEAEA for Wanpum	26.7	29.2	28.9	28.0	28.8	29.0	28.0	28.6	29.1	28.9	28.9	28.0	28.9	28.0	28.5
<b>6 Total Imports From PNW</b>	<b>127</b>	<b>139</b>	<b>138</b>	<b>134</b>	<b>138</b>	<b>139</b>	<b>134</b>	<b>137</b>	<b>139</b>	<b>138</b>	<b>138</b>	<b>134</b>	<b>138</b>	<b>134</b>	<b>136</b>

**Table A-15: Non-Federal CER Deliveries to BPA**

**Operating Year: 2023**

**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Pacific Northwest</b>															
1 CHPD to BPA CEAEA for Rock Island	18.5	18.7	18.5	17.9	18.5	18.6	17.9	18.3	18.6	18.5	17.1	18.6	18.5	17.9	18.3
2 CHPD to BPA CEAEA for Rocky Reach	38.1	38.5	38.1	36.9	38.1	38.3	36.9	37.7	38.4	38.1	35.2	38.3	38.1	36.9	37.7
3 DOPD to BPA CEAEA for Wells	23.7	23.9	23.7	22.9	23.7	23.8	22.9	23.4	23.8	23.7	21.9	23.8	23.7	22.9	23.4
4 GCPD to BPA CEAEA for Priest Rapids	28.9	29.2	28.9	28.0	28.8	29.0	28.0	28.6	29.1	28.9	26.7	29.0	28.9	28.0	28.6
5 GCPD to BPA CEAEA for Wanpum	28.9	29.2	28.9	28.0	28.8	29.0	28.0	28.6	29.1	28.9	26.7	29.0	28.9	28.0	28.6
<b>6 Total Imports From PNW</b>	<b>138</b>	<b>139</b>	<b>138</b>	<b>134</b>	<b>138</b>	<b>139</b>	<b>134</b>	<b>137</b>	<b>139</b>	<b>138</b>	<b>127</b>	<b>139</b>	<b>138</b>	<b>134</b>	<b>137</b>

**Table A-15: Non-Federal CER Deliveries to BPA**

**Operating Year: 2024**

**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Pacific Northwest</b>															
1 CHPD to BPA CEAEA for Rock Island	18.5	18.7	18.5	17.9	18.5	17.9	18.6	18.4	17.9	18.5	18.5	18.6	17.8	18.6	18.3
2 CHPD to BPA CEAEA for Rocky Reach	38.1	38.5	38.1	36.9	38.1	36.9	38.3	37.9	37.0	38.1	38.1	38.3	36.7	38.3	37.7
3 DOPD to BPA CEAEA for Wells	23.7	23.9	23.7	22.9	23.7	22.9	23.8	23.6	23.0	23.7	23.7	23.8	22.8	23.8	23.4
4 GCPD to BPA CEAEA for Priest Rapids	28.9	29.2	28.9	28.0	28.8	28.0	29.0	28.7	28.0	28.9	28.9	29.0	27.8	29.0	28.6
5 GCPD to BPA CEAEA for Wanpum	28.9	29.2	28.9	28.0	28.8	28.0	29.0	28.7	28.0	28.9	28.9	29.0	27.8	29.0	28.6
<b>6 Total Imports From PNW</b>	<b>138</b>	<b>139</b>	<b>138</b>	<b>134</b>	<b>138</b>	<b>134</b>	<b>139</b>	<b>137</b>	<b>134</b>	<b>138</b>	<b>138</b>	<b>139</b>	<b>133</b>	<b>139</b>	<b>137</b>

**Table A-15: Non-Federal CER Deliveries to BPA**

**Operating Year: 2025**

**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Pacific Northwest</b>															
1 CHPD to BPA CEAEA for Rock Island	18.5	18.7	17.8	18.6	18.5	17.9	18.6	18.3	17.9	18.5	18.5	18.6	17.8	18.6	18.3
2 CHPD to BPA CEAEA for Rocky Reach	38.1	38.5	38.1	36.9	38.1	36.9	38.3	39.3	37.0	38.1	38.1	38.3	36.7	38.3	37.9
3 DOPD to BPA CEAEA for Wells	23.7	23.9	22.8	23.8	23.7	22.9	23.8	23.4	23.0	23.7	23.7	23.8	22.8	23.8	23.4
4 GCPD to BPA CEAEA for Priest Rapids	28.9	29.2	27.8	29.0	28.8	28.0	29.0	28.6	28.0	28.9	28.9	29.0	27.8	29.0	28.6
5 GCPD to BPA CEAEA for Wanpum	28.9	29.2	28.9	28.0	28.8	28.0	29.0	29.8	28.0	28.9	28.9	29.0	27.8	29.0	28.7
<b>6 Total Imports From PNW</b>	<b>138</b>	<b>139</b>	<b>135</b>	<b>136</b>	<b>138</b>	<b>134</b>	<b>139</b>	<b>139</b>	<b>134</b>	<b>138</b>	<b>138</b>	<b>139</b>	<b>133</b>	<b>139</b>	<b>137</b>



**Table A-15: Non-Federal CER Deliveries to BPA**

**Operating Year: 2026**

**2015 White Book** Report Date: **6/30/2015**

S129-WB-20151029-154000

Energy-aMW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Pacific Northwest</b>															
1 CHPD to BPA CEAEA for Rock Island	18.5	17.3	18.5	18.6	17.8	18.6	18.6	18.3	17.9	18.5	18.5	17.9	18.5	18.6	18.3
2 CHPD to BPA CEAEA for Rocky Reach	39.6	37.1	38.1	36.9	38.1	36.9	38.3	39.3	37.0	38.1	38.1	38.3	36.7	38.3	37.9
3 DOPD to BPA CEAEA for Wells	23.7	22.2	22.8	23.8	23.7	22.9	23.8	23.4	23.0	23.7	23.7	23.8	22.8	23.8	23.4
4 GCPD to BPA CEAEA for Priest Rapids	28.9	27.1	27.8	29.0	28.8	28.0	29.0	28.6	28.0	28.9	28.9	29.0	27.8	29.0	28.5
5 GCPD to BPA CEAEA for Wanpum	30.0	28.1	28.9	28.0	28.8	28.0	29.0	29.8	28.0	28.9	28.9	29.0	27.8	29.0	28.7
<b>6 Total Imports From PNW</b>	<b>141</b>	<b>132</b>	<b>136</b>	<b>136</b>	<b>137</b>	<b>134</b>	<b>139</b>	<b>139</b>	<b>134</b>	<b>138</b>	<b>138</b>	<b>138</b>	<b>133</b>	<b>139</b>	<b>137</b>
<b>Total Imports</b>															
7 Federal Entities	1374	1378	1367	1358	1373	1357	1368	1374	1364	1370	1360	1372	1360	1367	1367
<b>8 Total Imports</b>	<b>1374</b>	<b>1378</b>	<b>1367</b>	<b>1358</b>	<b>1373</b>	<b>1357</b>	<b>1368</b>	<b>1374</b>	<b>1364</b>	<b>1370</b>	<b>1360</b>	<b>1372</b>	<b>1360</b>	<b>1367</b>	<b>1367</b>

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***Exhibit 35***  
***Federal Report Surplus Deficit By Water Year***  
***80 Water Year Federal Surplus/Deficit***

***Monthly Energy***  
***Operating Year 2017 to 2026***  
***Using 1937-Water Conditions***

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**Federal Report Surplus Deficit By Water Year**

**Operating Year 2017**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Federal Report Surplus Deficit	586	542	-29.6	340	180	-543	-616	-539	-23.3	-596	751	1032	1281	-427	110
2 1930 Federal Report Surplus Deficit	552	-1.51	180	383	310	-540	-1728	-427	-127	253	1689	1017	-521	667	39.4
3 1931 Federal Report Surplus Deficit	889	35.1	-45.9	380	403	-434	-1592	-1280	-425	-458	-957	2171	-263	856	-29.2
4 1932 Federal Report Surplus Deficit	418	-415	-296	269	-57.6	-498	-1396	-1596	1216	3060	4254	4605	4189	2136	1030
5 1933 Federal Report Surplus Deficit	661	1078	257	516	359	153	1711	2101	2227	909	1760	2912	5288	4164	1823
6 1934 Federal Report Surplus Deficit	2523	1557	175	895	2810	3657	4192	3799	4016	4205	4224	3602	2963	1025	2775
7 1935 Federal Report Surplus Deficit	395	-211	-289	465	0.59	-595	1818	1640	1969	-350	1848	2264	1981	2214	1024
8 1936 Federal Report Surplus Deficit	1892	257	-193	272	180	-550	-1449	-567	71.1	307	3504	4423	3813	828	820
9 1937 Federal Report Surplus Deficit	542	-74.0	-169	199	393	-472	-1524	-899	-250	-81.0	-388	2091	841	-66.9	16.3
10 1938 Federal Report Surplus Deficit	761	67.9	-85.1	436	-133	121	1463	1426	2398	2414	4824	4088	3012	2021	1564
11 1939 Federal Report Surplus Deficit	408	-197	176	526	77.9	-651	294	-57.2	392	1310	2853	2935	609	571	591
12 1940 Federal Report Surplus Deficit	632	-112	-52.9	613	793	-146	-108	-412	3362	1310	2258	2623	711	313	820
13 1941 Federal Report Surplus Deficit	204	-398	-94.5	332	282	-328	-690	-565	320	-446	872	2305	819	874	287
14 1942 Federal Report Surplus Deficit	452	-110	277	375	686	871	874	-228	1714	370	2112	2222	2302	2836	1122
15 1943 Federal Report Surplus Deficit	1324	675	641	248	53.3	-346	2226	1829	2171	4444	4851	3432	5267	4185	2108
16 1944 Federal Report Surplus Deficit	1051	373	-71.8	333	366	-586	-552	-427	-300	-435	578	599	-903	187	-44.4
17 1945 Federal Report Surplus Deficit	406	-399	-170	485	173	-486	-1541	-849	-238	-568	-1065	3167	3334	-199	242
18 1946 Federal Report Surplus Deficit	775	-198	-411	323	471	147	969	375	2526	2982	4929	4345	2700	2935	1559
19 1947 Federal Report Surplus Deficit	1842	1313	238	304	876	2343	2891	2596	2911	2083	2534	4080	3163	2340	2136
20 1948 Federal Report Surplus Deficit	1702	939	89.0	2210	2105	1035	2692	1582	1927	1535	3749	5096	5287	3577	2469
21 1949 Federal Report Surplus Deficit	2910	2147	516	541	705	-63.7	930	-81.7	3182	1967	4504	4791	3514	-41.6	1655
22 1950 Federal Report Surplus Deficit	-71.9	-580	-409	400	49.9	-22.8	2647	2435	3792	3154	3502	3854	5261	4617	2133
23 1951 Federal Report Surplus Deficit	2161	1366	277	1150	2390	2463	4024	3918	4496	3510	4083	4417	3260	3641	2963
24 1952 Federal Report Surplus Deficit	1974	850	128	1798	1517	1143	2540	2243	2202	3326	5156	5077	3543	2179	2334
25 1953 Federal Report Surplus Deficit	1680	808	-334	261	237	-517	-219	1698	1781	462	1820	3759	5485	2804	1439
26 1954 Federal Report Surplus Deficit	1153	683	187	483	990	590	1990	3015	3057	1643	2636	4147	4640	4706	2234
27 1955 Federal Report Surplus Deficit	3388	3047	1965	590	1550	557	-63.8	187	94.7	80.6	1235	2712	5314	4597	1788
28 1956 Federal Report Surplus Deficit	2764	1301	-38.1	741	2013	2441	3557	3837	3925	2950	4905	5062	5171	3772	3031
29 1957 Federal Report Surplus Deficit	2269	1695	219	690	659	754	1114	-156	2637	2931	2507	5387	5493	1967	1968
30 1958 Federal Report Surplus Deficit	1212	119	45.9	365	488	-69.2	1429	1240	2130	1298	3493	4864	4417	1182	1595
31 1959 Federal Report Surplus Deficit	543	102	-98.2	416	1373	1887	3164	3254	3230	2544	2427	3538	4701	4266	2373
32 1960 Federal Report Surplus Deficit	2762	1480	2178	2887	2895	1629	1792	1464	1997	4871	3698	2873	3996	2115	2517
33 1961 Federal Report Surplus Deficit	1310	208	-138	519	664	84.0	1588	1885	3597	1856	1863	4133	4837	1785	1795
34 1962 Federal Report Surplus Deficit	1238	438	-90.2	267	575	-170	1271	1278	452	3314	4849	3932	2765	1516	1388
35 1963 Federal Report Surplus Deficit	1130	662	-266	807	1621	1608	2044	1433	1645	232	1544	3049	3185	1868	1568
36 1964 Federal Report Surplus Deficit	1197	275	312	334	476	37.4	319	382	549	2130	1431	3305	5336	4439	1503
37 1965 Federal Report Surplus Deficit	2538	1841	765	1058	1302	2628	4589	4188	3963	1440	4862	4536	3997	1950	2854
38 1966 Federal Report Surplus Deficit	2181	1741	-187	655	829	312	976	938	728	3420	2461	2110	2553	2284	1342
39 1967 Federal Report Surplus Deficit	1272	304	6.08	259	422	423	3019	3065	2849	961	271	2726	5066	3953	1926
40 1968 Federal Report Surplus Deficit	1785	1255	237	529	1064	333	1624	2245	2454	-61.9	966	1693	3980	2771	1570
41 1969 Federal Report Surplus Deficit	1962	1848	1183	1149	2068	1171	3957	2893	2738	3495	4679	4971	3915	2449	2704
42 1970 Federal Report Surplus Deficit	1480	665	93.8	458	730	-347	1316	1181	1471	426	1314	3246	4664	1050	1314
43 1971 Federal Report Surplus Deficit	853	89.3	-132	308	437	63.8	3662	4049	4532	2968	4054	4953	5258	3574	2547
44 1972 Federal Report Surplus Deficit	2540	2539	410	745	878	629	3405	3982	5650	4553	3109	5001	5159	4384	3048
45 1973 Federal Report Surplus Deficit	3078	2760	595	658	897	264	1219	-33.9	519	-785	750	1813	272	246	789
46 1974 Federal Report Surplus Deficit	497	-288	-165	394	449	1164	4864	4403	5087	3728	4690	4566	5138	4918	2920
47 1975 Federal Report Surplus Deficit	2778	2692	533	255	386	-330	1840	1489	1962	452	1386	3882	5063	4139	1911
48 1976 Federal Report Surplus Deficit	2162	1813	591	1276	2314	3243	3429	3295	3676	3579	4125	4951	3948	3990	3047
49 1977 Federal Report Surplus Deficit	3555	3539	2642	737	520	-567	-458	-176	-82.0	-555	731	750	-1156	31.2	495
50 1978 Federal Report Surplus Deficit	414	-302	-577	-84.9	-25.4	955	1038	1265	1173	3172	2528	3879	2379	2205	1259
51 1979 Federal Report Surplus Deficit	801	149	1200	754	757	-461	-106	14.5	1816	283	1718	3687	1906	-67.6	918
52 1980 Federal Report Surplus Deficit	135	-203	-22.4	211	344	-820	593	-402	452	822	3429	5106	4147	864	1052
53 1981 Federal Report Surplus Deficit	378	-394	144	424	571	1586	2778	2412	2118	-552	1452	3241	5212	3480	1864
54 1982 Federal Report Surplus Deficit	2665	1663	228	437	1062	313	2212	4293	5034	3096	3099	4579	5362	4629	2774

### Federal Report Surplus Deficit By Water Year

#### Operating Year 2017

**2015 White Book** Report Date: **6/30/2015** *Continued*

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Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55 1983 Federal Report Surplus Deficit	2450	2405	1150	1199	1162	799	2653	2896	4485	2239	2626	3953	4204	3261	2552
56 1984 Federal Report Surplus Deficit	2549	2097	524	567	2536	1089	2131	2395	2732	3464	4606	4077	4996	3229	2548
57 1985 Federal Report Surplus Deficit	1943	610	526	623	1158	245	831	602	600	1563	3599	4119	2272	-725	1174
58 1986 Federal Report Surplus Deficit	-334	-673	-65.0	568	1544	424	1699	2746	5088	3618	4546	2966	3249	1426	1925
59 1987 Federal Report Surplus Deficit	738	23.3	-176	249	687	326	164	-608	1694	24.1	1682	3103	1730	206	727
60 1988 Federal Report Surplus Deficit	262	-554	-245	288	154	-849	-908	-1296	-47.4	-312	1272	1658	444	783	34.1
61 1989 Federal Report Surplus Deficit	805	2.18	-99.3	298	360	-99.0	-448	-1038	1191	1338	4236	2929	1921	600	742
62 1990 Federal Report Surplus Deficit	379	-318	-116	376	815	785	1043	2914	2665	1172	3875	2900	4153	1824	1646
63 1991 Federal Report Surplus Deficit	1980	1102	-30.1	184	2274	1310	2822	2237	2288	2174	2160	3328	3578	4027	2144
64 1992 Federal Report Surplus Deficit	2503	1490	-54.1	281	462	-755	-245	-359	2058	-620	856	1949	-151	86.6	458
65 1993 Federal Report Surplus Deficit	366	-309	-309	346	346	-387	-1748	-1457	638	605	1161	3523	2322	1031	445
66 1994 Federal Report Surplus Deficit	956	235	299	385	592	-182	-1438	-811	-208	-116	1584	2752	1988	573	444
67 1995 Federal Report Surplus Deficit	713	-211	20.6	324	-101	-256	479	970	2292	715	1270	2904	4171	1414	1120
68 1996 Federal Report Surplus Deficit	656	127	364	1077	3164	4606	4548	4766	5546	3285	5062	4672	4326	4123	3473
69 1997 Federal Report Surplus Deficit	2371	1621	211	444	1054	1260	4862	4572	5199	3612	5088	4986	5322	4449	3218
70 1998 Federal Report Surplus Deficit	2468	2542	1117	2407	1959	227	820	1560	1387	277	2360	5117	4916	2074	2120
71 1999 Federal Report Surplus Deficit	2050	846	33.9	347	418	731	3286	3407	4568	2257	3836	3575	4772	4319	2491
72 2000 Federal Report Surplus Deficit	3282	2618	590	556	2589	1645	1652	1683	1964	3059	4626	4061	1397	1816	2064
73 2001 Federal Report Surplus Deficit	1328	-265	-240	427	198	-546	-588	-447	73.7	-288	852	1491	-1498	315	5.03
74 2002 Federal Report Surplus Deficit	420	-414	-589	-246	-139	-322	-552	-518	376	993	3982	2862	4875	3329	967
75 2003 Federal Report Surplus Deficit	304	49.9	-35.9	386	537	-427	-1137	-230	2140	967	1996	2782	3398	466	797
76 2004 Federal Report Surplus Deficit	289	-343	-287	472	1289	-196	0.16	-829	978	467	1462	2461	1812	610	611
77 2005 Federal Report Surplus Deficit	56.9	-230	656	705	772	505	816	956	524	-281	1146	2915	2042	1117	945
78 2006 Federal Report Surplus Deficit	683	-122	-29.6	258	730	333	1800	1828	2486	3269	4715	4571	4687	1755	1885
79 2007 Federal Report Surplus Deficit	1149	-398	-350	241	634	432	1749	1350	2920	2621	2170	3399	1593	2033	1399
80 2008 Federal Report Surplus Deficit	574	-340	-482	392	1018	-471	-10.7	22.0	619	572	408	4194	5472	2301	1141
<b>Ranked Averages</b>															
81 <b>Bottom 10 pct</b>	<b>702</b>	<b>-42.9</b>	<b>-98.8</b>	<b>354</b>	<b>272</b>	<b>-557</b>	<b>-1131</b>	<b>-771</b>	<b>-167</b>	<b>-311</b>	<b>341</b>	<b>1653</b>	<b>339</b>	<b>264</b>	<b>46.7</b>
82 <b>Middle 80 pct</b>	<b>1349</b>	<b>666</b>	<b>201</b>	<b>560</b>	<b>844</b>	<b>333</b>	<b>1189</b>	<b>1174</b>	<b>2013</b>	<b>1585</b>	<b>2703</b>	<b>3522</b>	<b>3478</b>	<b>2131</b>	<b>1550</b>
83 <b>Top 10 pct</b>	<b>1961</b>	<b>1290</b>	<b>302</b>	<b>861</b>	<b>1695</b>	<b>2304</b>	<b>4160</b>	<b>4120</b>	<b>4693</b>	<b>3332</b>	<b>4491</b>	<b>4774</b>	<b>4540</b>	<b>3903</b>	<b>3069</b>

**Federal Report Surplus Deficit By Water Year**

**Operating Year 2018**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Federal Report Surplus Deficit	531	487	-51.6	349	277	-437	-533	-452	2.08	-505	749	1550	2118	-387	257
2 1930 Federal Report Surplus Deficit	497	-52.9	141	392	407	-434	-1647	-340	-102	449	1842	1535	235	712	189
3 1931 Federal Report Surplus Deficit	838	-16.4	-83.3	389	501	-328	-1511	-1195	-400	-626	-1238	2376	440	901	57.2
4 1932 Federal Report Surplus Deficit	363	-466	-335	277	39.2	-392	-1315	-1511	1236	3417	4492	5230	5102	2180	1211
5 1933 Federal Report Surplus Deficit	606	1023	221	525	457	260	1910	2289	2221	1128	1914	3520	5985	4167	1988
6 1934 Federal Report Surplus Deficit	2468	1502	152	930	2888	3828	4766	4269	4056	4720	4491	4164	3762	1070	3030
7 1935 Federal Report Surplus Deficit	341	-262	-329	474	97.4	-489	1959	1811	1998	-107	2000	2863	2780	2255	1198
8 1936 Federal Report Surplus Deficit	1837	205	-234	280	277	-444	-1368	-480	96.6	497	3701	5014	4649	871	984
9 1937 Federal Report Surplus Deficit	487	-125	-208	208	491	-366	-1443	-813	-225	-223	-672	2285	1539	-24.4	102
10 1938 Federal Report Surplus Deficit	706	16.4	-127	445	-36.8	228	1619	1569	2506	2705	5045	4674	3817	2058	1748
11 1939 Federal Report Surplus Deficit	353	-248	138	535	175	-545	378	182	385	1198	3016	3486	1399	614	744
12 1940 Federal Report Surplus Deficit	577	-164	-93.5	622	891	-39.0	-25.1	-325	3436	1592	2412	3190	1472	384	985
13 1941 Federal Report Surplus Deficit	153	-449	-133	340	380	-221	-608	-478	346	-597	623	2511	1515	914	375
14 1942 Federal Report Surplus Deficit	404	-162	250	372	784	979	1015	-140	1742	462	2119	2757	3063	2873	1269
15 1943 Federal Report Surplus Deficit	1270	623	605	257	150	-240	2379	2123	2273	4872	5100	3990	5887	4276	2296
16 1944 Federal Report Surplus Deficit	999	319	-104	341	463	-480	-470	-340	-275	-345	576	1120	-147	236	96.1
17 1945 Federal Report Surplus Deficit	354	-451	-208	494	270	-380	-1460	-763	-213	-478	-1070	3703	4169	-161	389
18 1946 Federal Report Surplus Deficit	721	-250	-440	332	568	254	1091	557	2605	3304	5123	5154	3470	2980	1758
19 1947 Federal Report Surplus Deficit	1787	1262	211	313	974	2506	3299	2899	3020	2359	2692	4658	3950	2380	2354
20 1948 Federal Report Surplus Deficit	1648	887	65.8	2278	2245	1143	2993	2033	1938	1734	3922	5982	6163	3613	2716
21 1949 Federal Report Surplus Deficit	2859	2094	494	550	803	43.0	1048	103	3225	2223	4691	5373	4338	-3.34	1833
22 1950 Federal Report Surplus Deficit	-127	-631	-441	409	147	84.0	2874	2683	3813	3468	3610	4607	5974	4639	2325
23 1951 Federal Report Surplus Deficit	2110	1315	256	1192	2499	2583	4672	4374	4505	3929	4141	5009	4056	3674	3209
24 1952 Federal Report Surplus Deficit	1921	799	98.1	1864	1616	1252	2754	2323	2231	3731	5385	5710	4331	2216	2525
25 1953 Federal Report Surplus Deficit	1626	753	-369	269	334	-411	-136	1924	1858	554	1882	4382	6273	2765	1601
26 1954 Federal Report Surplus Deficit	1098	629	152	492	1088	698	2141	3255	3063	1924	2806	4729	5572	4758	2425
27 1955 Federal Report Surplus Deficit	3336	2996	2013	599	1654	665	19.7	275	120	230	1387	3306	5993	4543	1936
28 1956 Federal Report Surplus Deficit	2711	1246	-60.6	751	2140	2562	4117	4132	3935	3323	5223	5846	6025	3815	3286
29 1957 Federal Report Surplus Deficit	2215	1640	194	710	757	862	1240	-68.6	2609	3284	2665	5892	6269	1897	2117
30 1958 Federal Report Surplus Deficit	1158	67.2	10.9	374	586	37.5	1578	1345	2203	1508	3689	5532	5217	1224	1775
31 1959 Federal Report Surplus Deficit	1028	-25.1	-126	425	1472	2026	3658	3580	3340	2743	2424	4337	5404	4285	2618
32 1960 Federal Report Surplus Deficit	2709	1425	2266	2956	2976	1805	2114	1731	1913	5325	3874	3453	4801	2152	2733
33 1961 Federal Report Surplus Deficit	1255	153	-169	528	762	191	1741	2066	3670	2144	2017	4948	5718	1819	2001
34 1962 Federal Report Surplus Deficit	1183	386	-119	276	673	-63.6	1391	1553	478	3665	5107	4559	3522	1555	1576
35 1963 Federal Report Surplus Deficit	1075	611	-296	823	1720	1711	2184	1581	1673	456	1698	3670	3972	1900	1740
36 1964 Federal Report Surplus Deficit	1142	224	279	343	573	144	403	470	575	2408	1486	3926	6136	4454	1663
37 1965 Federal Report Surplus Deficit	2485	1787	759	1100	1401	2760	5185	4754	3948	1637	5052	5406	4770	1974	3120
38 1966 Federal Report Surplus Deficit	2129	1690	-202	665	927	419	1076	1027	755	3723	2612	2668	3376	2323	1509
39 1967 Federal Report Surplus Deficit	1218	252	-34.6	268	519	531	3395	3149	2981	1182	244	3327	5910	3993	2118
40 1968 Federal Report Surplus Deficit	1730	1201	201	539	1162	440	1775	2499	2491	128	1118	2263	4766	2809	1747
41 1969 Federal Report Surplus Deficit	1908	1798	1186	1191	2204	1280	4593	3222	2873	3680	4982	5491	4683	2475	2944
42 1970 Federal Report Surplus Deficit	1425	613	61.0	467	828	-240	1433	1301	1503	625	1467	3882	5389	1088	1478
43 1971 Federal Report Surplus Deficit	800	34.7	-154	317	535	171	4137	4523	4547	3258	4220	5693	6045	3579	2783
44 1972 Federal Report Surplus Deficit	2488	2485	390	754	976	736	3667	4390	5560	5042	3279	5733	5801	4429	3252
45 1973 Federal Report Surplus Deficit	3027	2707	573	667	995	372	1355	53.8	545	-695	748	2336	1103	290	942
46 1974 Federal Report Surplus Deficit	442	-340	-214	402	547	1261	5419	5329	5022	4152	4952	5491	5850	4845	3200
47 1975 Federal Report Surplus Deficit	2725	2638	492	264	484	-224	1962	1733	2121	547	1386	4565	5749	4247	2091
48 1976 Federal Report Surplus Deficit	2111	1762	558	1319	2436	3413	3892	3582	3782	3958	4215	5605	4755	3997	3281
49 1977 Federal Report Surplus Deficit	3504	3488	2729	747	618	-461	-375	-88.9	-56.7	-683	455	990	-454	97.6	598
50 1978 Federal Report Surplus Deficit	362	-354	-600	-76.8	71.4	1043	1332	1538	1189	3399	2698	4701	3157	2246	1470
51 1979 Federal Report Surplus Deficit	748	95.8	1168	778	855	-355	-22.8	102	1845	472	1874	4306	2668	-27.9	1079
52 1980 Federal Report Surplus Deficit	79.9	-254	-63.0	220	441	-715	678	-307	470	915	3498	5646	4993	902	1203
53 1981 Federal Report Surplus Deficit	323	-446	108	433	669	1674	2999	2546	2147	-464	1605	3860	6063	3420	2032
54 1982 Federal Report Surplus Deficit	2611	1609	184	446	1161	421	2429	4873	4970	3443	3194	5195	5948	4783	2973

### Federal Report Surplus Deficit By Water Year

#### Operating Year 2018

2015 White Book Report Date: 6/30/2015 *Continued*

S129-WB-20151029-154000

Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55 1983 Federal Report Surplus Deficit	2398	2350	1116	1242	1261	907	2899	3031	4351	2567	2814	4573	5006	3288	2728
56 1984 Federal Report Surplus Deficit	2497	2043	488	576	2636	1198	2320	2528	2687	3923	4819	4624	5726	3279	2720
57 1985 Federal Report Surplus Deficit	1888	555	488	632	1257	352	992	691	626	1851	3796	4669	3040	-683	1340
58 1986 Federal Report Surplus Deficit	-389	-724	-63.5	577	1643	532	1845	2969	5032	4063	4753	3543	4148	1468	2117
59 1987 Federal Report Surplus Deficit	683	-28.2	-220	258	785	434	248	-521	1722	-141	1380	3375	2454	250	820
60 1988 Federal Report Surplus Deficit	207	-606	-305	296	251	-744	-826	-1211	-22.1	-221	1271	2176	1202	828	172
61 1989 Federal Report Surplus Deficit	750	-49.3	-150	306	457	7.71	-365	-952	1277	1604	4440	3512	2685	642	907
62 1990 Federal Report Surplus Deficit	328	-369	-155	385	913	893	1213	2939	2761	1346	4415	3473	4971	1863	1829
63 1991 Federal Report Surplus Deficit	1925	1047	-91.4	193	2406	1421	3196	2550	2247	2440	2310	3923	4398	4060	2345
64 1992 Federal Report Surplus Deficit	2449	1435	-115	290	560	-650	-161	-272	2087	-775	567	2176	595	131	548
65 1993 Federal Report Surplus Deficit	312	-360	-325	355	444	-281	-1667	-1371	665	697	1279	4062	3138	1070	598
66 1994 Federal Report Surplus Deficit	904	183	271	394	690	-75.9	-1357	-725	971	-349	1156	2300	2235	617	527
67 1995 Federal Report Surplus Deficit	658	-263	-19.5	333	-4.66	-150	563	1103	1189	2052	1813	3895	5054	1452	1291
68 1996 Federal Report Surplus Deficit	596	70.2	327	1115	3238	4781	5099	5261	5574	3562	5411	5172	5057	4164	3708
69 1997 Federal Report Surplus Deficit	2317	1570	176	453	1153	1369	5332	5129	5046	4041	5400	5664	5983	4412	3438
70 1998 Federal Report Surplus Deficit	2417	2487	1107	2475	2075	335	909	1716	1415	368	2492	5683	5767	2115	2291
71 1999 Federal Report Surplus Deficit	1995	795	4.45	356	515	839	3705	3739	4585	2432	4004	4165	5434	4356	2686
72 2000 Federal Report Surplus Deficit	3228	2564	559	565	2694	1745	1811	1961	1993	3414	4854	4682	2158	1862	2255
73 2001 Federal Report Surplus Deficit	1273	-316	-263	436	296	-440	-506	-360	99.2	-441	571	1690	-802	360	92.2
74 2002 Federal Report Surplus Deficit	365	-465	-631	-238	-42.0	-215	-470	-334	450	1237	4180	3459	5660	3373	1142
75 2003 Federal Report Surplus Deficit	249	-4.63	-64.5	395	635	-321	-1055	-142	2275	1212	2152	3352	4203	476	965
76 2004 Federal Report Surplus Deficit	235	-394	-319	481	1388	-89.9	83.7	-743	1005	666	1618	3065	2573	650	770
77 2005 Federal Report Surplus Deficit	2.19	-282	657	719	871	613	919	1061	547	-188	1257	3469	2858	1159	1104
78 2006 Federal Report Surplus Deficit	628	-173	-71.8	267	828	441	1920	2049	2579	3687	4925	5190	5495	1768	2076
79 2007 Federal Report Surplus Deficit	1094	-450	-385	249	732	539	1937	1496	2927	2770	2326	4034	2356	2080	1571
80 2008 Federal Report Surplus Deficit	519	-392	-527	401	1117	-365	72.8	110	713	806	405	4753	6369	2343	1307

#### Ranked Averages

81 <b>Bottom 10 pct</b>	<b>623</b>	<b>-95.0</b>	<b>-126</b>	<b>344</b>	<b>383</b>	<b>-431</b>	<b>-943</b>	<b>-649</b>	<b>-72.2</b>	<b>-314</b>	<b>465</b>	<b>1906</b>	<b>763</b>	<b>443</b>	<b>168</b>
82 <b>Middle 80 pct</b>	<b>1307</b>	<b>613</b>	<b>173</b>	<b>576</b>	<b>942</b>	<b>440</b>	<b>1353</b>	<b>1350</b>	<b>2040</b>	<b>1817</b>	<b>2805</b>	<b>4120</b>	<b>4295</b>	<b>2150</b>	<b>1726</b>
83 <b>Top 10 pct</b>	<b>1907</b>	<b>1237</b>	<b>274</b>	<b>886</b>	<b>1799</b>	<b>2433</b>	<b>4673</b>	<b>4619</b>	<b>4672</b>	<b>3705</b>	<b>4709</b>	<b>5491</b>	<b>5287</b>	<b>3914</b>	<b>3312</b>

**Federal Report Surplus Deficit By Water Year**

**Operating Year 2019**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Federal Report Surplus Deficit	499	459	-106	251	183	-537	-653	-574	-115	-625	678	995	1248	-493	60.9
2 1930 Federal Report Surplus Deficit	470	-58.0	87.3	294	313	-534	-1766	-462	-219	330	1770	980	-634	608	-5.68
3 1931 Federal Report Surplus Deficit	817	-21.4	-137	290	407	-428	-1630	-1316	-518	-745	-1310	1821	-429	798	-137
4 1932 Federal Report Surplus Deficit	337	-472	-390	179	-54.6	-492	-1434	-1633	1126	3299	4447	4700	4239	2072	1020
5 1933 Federal Report Surplus Deficit	576	997	167	426	363	160	2044	2099	1879	1009	1843	2964	5288	4163	1812
6 1934 Federal Report Surplus Deficit	2439	1474	97.5	832	2812	3794	4711	4156	4007	4541	4653	3632	2896	966	2862
7 1935 Federal Report Surplus Deficit	314	-267	-383	376	5.43	-589	1899	1673	1880	-226	1929	2315	1910	2148	1007
8 1936 Federal Report Surplus Deficit	1810	200	-289	182	183	-544	-1487	-602	-20.7	377	3645	4416	3792	767	787
9 1937 Federal Report Surplus Deficit	461	-131	-263	109	397	-466	-1563	-935	-342	-342	-743	1730	669	-131	-93.3
10 1938 Federal Report Surplus Deficit	677	11.4	-181	347	-131	128	1500	1445	2414	2601	4989	4163	2965	1955	1561
11 1939 Federal Report Surplus Deficit	325	-253	84.0	437	81.1	-645	259	60.1	268	1137	2944	2933	530	508	551
12 1940 Federal Report Surplus Deficit	551	-169	-148	524	797	-139	-144	-446	3406	1473	2341	2633	602	281	797
13 1941 Federal Report Surplus Deficit	150	-465	-187	242	286	-322	-727	-600	228	-717	552	1957	645	811	180
14 1942 Federal Report Surplus Deficit	372	-173	210	274	691	879	896	-262	1625	343	2048	2202	2198	2767	1074
15 1943 Federal Report Surplus Deficit	1239	616	567	159	56.5	-340	2323	1990	2215	4758	5112	3458	5275	4211	2142
16 1944 Federal Report Surplus Deficit	963	287	-159	243	370	-580	-589	-462	-392	-464	505	564	-1017	129	-101
17 1945 Federal Report Surplus Deficit	349	-456	-262	396	176	-480	-1579	-885	-330	-597	-1142	3149	3299	-304	192
18 1946 Federal Report Surplus Deficit	693	-255	-495	234	475	154	972	435	2560	3259	5069	4660	2612	2869	1578
19 1947 Federal Report Surplus Deficit	1760	1247	157	214	883	2398	3243	2801	2942	2272	2621	4107	3090	2274	2171
20 1948 Federal Report Surplus Deficit	1617	870	11.5	2219	2137	1043	2937	1895	1820	1615	3926	5526	5436	3504	2549
21 1949 Federal Report Surplus Deficit	2826	2062	454	452	709	-57.0	929	-19.2	3238	2120	4636	4889	3462	-112	1656
22 1950 Federal Report Surplus Deficit	-156	-637	-496	311	53.0	-16.0	2819	2570	3823	3396	3555	4037	5341	4612	2174
23 1951 Federal Report Surplus Deficit	2075	1279	202	1094	2421	2476	4518	4266	4471	3825	4114	4473	3205	3578	3024
24 1952 Federal Report Surplus Deficit	1888	788	42.0	1798	1524	1152	2698	2210	2114	3610	5356	5249	3467	2110	2348
25 1953 Federal Report Surplus Deficit	1597	726	-424	171	240	-512	-256	1779	1741	434	1810	3812	5652	2667	1423
26 1954 Federal Report Surplus Deficit	1066	598	97.9	394	995	598	2060	3142	2998	1811	2735	4188	4787	4704	2250
27 1955 Federal Report Surplus Deficit	3250	2963	2009	501	1561	565	-99.6	153	2.97	111	1315	2756	5225	4526	1758
28 1956 Federal Report Surplus Deficit	2680	1217	-115	652	2032	2454	4062	4124	3833	3225	5386	5373	5315	3706	3133
29 1957 Federal Report Surplus Deficit	2183	1610	140	611	664	762	1121	-190	2571	3181	2593	5432	5607	1793	1954
30 1958 Federal Report Surplus Deficit	1130	47.6	-43.2	276	492	-62.6	1459	1200	2085	1389	3634	4978	4432	1117	1585
31 1959 Federal Report Surplus Deficit	1003	-30.1	-180	326	1380	1919	3603	3467	3280	2689	2388	3826	4646	4231	2454
32 1960 Federal Report Surplus Deficit	2678	1393	2261	2898	2900	1726	2009	1592	1795	5181	3822	2896	3970	2046	2549
33 1961 Federal Report Surplus Deficit	1224	122	-223	429	669	90.9	1641	1938	3623	2041	1992	4389	5049	1721	1831
34 1962 Federal Report Surplus Deficit	1156	382	-173	177	579	-164	1272	1431	361	3612	5213	4016	2663	1446	1393
35 1963 Federal Report Surplus Deficit	1045	583	-351	725	1627	1603	2125	1436	1556	336	1627	3116	3111	1797	1548
36 1964 Federal Report Surplus Deficit	1114	217	225	244	480	44.2	284	349	458	2304	1415	3398	5423	4368	1486
37 1965 Federal Report Surplus Deficit	2453	1756	723	1011	1307	2652	5216	4694	3958	1557	5058	4947	3848	1886	2963
38 1966 Federal Report Surplus Deficit	2096	1678	-260	566	833	319	956	906	637	3622	2544	2115	2511	2218	1315
39 1967 Federal Report Surplus Deficit	1191	246	-88.9	170	425	431	3326	3036	2879	1113	172	2774	5262	3946	1954
40 1968 Federal Report Surplus Deficit	1700	1173	147	440	1069	340	1697	2386	2390	8.37	1047	1711	3967	2705	1562
41 1969 Federal Report Surplus Deficit	1878	1777	1179	1115	2097	1180	4503	3109	2793	3552	5102	5053	3878	2379	2783
42 1970 Federal Report Surplus Deficit	1396	609	6.76	369	734	-340	1331	1171	1386	506	1395	3359	4536	980	1287
43 1971 Federal Report Surplus Deficit	765	5.30	-208	218	441	70.7	4081	4413	4555	3207	4206	5213	5390	3512	2636
44 1972 Federal Report Surplus Deficit	2455	2456	336	656	882	636	3612	4282	5612	4852	3206	5158	5152	4364	3093
45 1973 Federal Report Surplus Deficit	2994	2675	520	569	902	272	1236	-68.0	428	-814	677	1779	233	184	745
46 1974 Federal Report Surplus Deficit	416	-345	-268	304	455	1153	5363	5118	5073	3967	5000	5014	5225	4788	3050
47 1975 Federal Report Surplus Deficit	2693	2608	438	165	390	-324	1907	1602	2004	427	1315	4070	4990	4148	1914
48 1976 Federal Report Surplus Deficit	2077	1727	514	1251	2351	3307	3836	3469	3738	3877	4154	5122	3941	3963	3118
49 1977 Federal Report Surplus Deficit	3357	3452	2711	648	524	-561	-494	-211	-174	-802	383	435	-1323	-5.18	400
50 1978 Federal Report Surplus Deficit	358	-359	-655	-175	-22.4	935	1213	1412	1087	3293	2631	4194	2287	2140	1281
51 1979 Federal Report Surplus Deficit	713	60.1	1162	679	761	-455	-142	-19.5	1727	352	1802	3747	1799	-134	885
52 1980 Federal Report Surplus Deficit	52.7	-260	-117	121	347	-815	559	-428	353	795	3427	5215	4197	797	1024
53 1981 Federal Report Surplus Deficit	294	-460	53.9	334	576	1566	2943	2433	2029	-584	1596	3316	5312	3318	1856
54 1982 Federal Report Surplus Deficit	2581	1581	130	347	1067	321	2374	4805	5031	3363	3133	4623	5177	4601	2803



### Federal Report Surplus Deficit By Water Year

#### Operating Year 2019

2015 White Book Report Date: 6/30/2015 *Continued*

S129-WB-20151029-154000

Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55 1983 Federal Report Surplus Deficit	2365	2321	1112	1157	1167	807	2844	2918	4453	2464	2743	4017	4105	3195	2560
56 1984 Federal Report Surplus Deficit	2464	2012	435	478	2561	1098	2265	2415	2699	3793	4757	4115	4927	3165	2551
57 1985 Federal Report Surplus Deficit	1859	526	434	534	1163	252	873	569	508	1741	3741	4179	2169	-788	1150
58 1986 Federal Report Surplus Deficit	-417	-731	-120	479	1551	432	1763	2862	5092	3959	4693	2981	3292	1365	1942
59 1987 Federal Report Surplus Deficit	656	-33.3	-274	160	691	334	129	-643	1605	-260	1309	2815	1585	147	624
60 1988 Federal Report Surplus Deficit	181	-612	-359	198	157	-844	-945	-1332	-139	-341	1200	1621	332	725	-23.2
61 1989 Federal Report Surplus Deficit	724	-54.3	-204	208	364	-92.3	-484	-1074	1172	1484	4444	2954	1815	536	715
62 1990 Federal Report Surplus Deficit	316	-380	-209	287	820	793	1094	2826	2643	1283	4389	2925	4190	1757	1647
63 1991 Federal Report Surplus Deficit	1894	1016	-146	94.6	2330	1321	3139	2436	2130	2334	2244	3364	3557	4002	2163
64 1992 Federal Report Surplus Deficit	2418	1407	-169	192	466	-750	-281	-394	1970	-894	496	1621	-275	26.6	352
65 1993 Federal Report Surplus Deficit	285	-366	-380	256	350	-381	-1786	-1493	547	578	1207	3539	2264	963	405
66 1994 Federal Report Surplus Deficit	868	148	216	296	596	-176	-1476	-847	854	-468	1084	1745	1366	513	331
67 1995 Federal Report Surplus Deficit	632	-268	-73.4	235	-98.4	-250	444	963	1072	1949	1741	3362	4247	1344	1102
68 1996 Federal Report Surplus Deficit	563	61.7	273	1017	3162	4600	5046	5154	5661	3480	5467	4649	4229	4114	3549
69 1997 Federal Report Surplus Deficit	2286	1559	122	354	1059	1263	5358	5072	5120	3905	5531	5159	5199	4385	3301
70 1998 Federal Report Surplus Deficit	2383	2457	1101	2416	1969	234	790	1571	1298	249	2421	5101	4825	2002	2091
71 1999 Federal Report Surplus Deficit	1967	791	-49.8	257	422	739	3650	3626	4594	2327	3948	3614	4753	4310	2530
72 2000 Federal Report Surplus Deficit	3169	2535	520	467	2619	1637	1714	1817	1875	3362	4822	4157	1289	1756	2067
73 2001 Federal Report Surplus Deficit	1248	-322	-318	337	202	-540	-625	-481	-18.1	-561	499	1136	-1671	257	-103
74 2002 Federal Report Surplus Deficit	339	-471	-686	-336	-136	-315	-452	-485	207	1124	4125	2904	4864	3264	952
75 2003 Federal Report Surplus Deficit	216	-32.8	-119	297	541	-421	-1175	-264	2158	1093	2081	2799	3362	399	773
76 2004 Federal Report Surplus Deficit	208	-400	-374	383	1295	-190	-35.6	-865	888	547	1547	2508	1705	543	575
77 2005 Federal Report Surplus Deficit	-27.6	-293	615	621	777	513	800	939	430	-307	1186	2914	1988	1053	910
78 2006 Federal Report Surplus Deficit	601	-178	-126	168	734	341	1856	1917	2462	3632	4863	4652	4697	1663	1895
79 2007 Federal Report Surplus Deficit	1069	-455	-440	151	640	439	1864	1355	2869	2666	2255	3484	1486	1977	1384
80 2008 Federal Report Surplus Deficit	493	-397	-582	302	1023	-465	-46.5	-12.0	595	687	333	4251	5699	2234	1132

#### Ranked Averages

81 <b>Bottom 10 pct</b>	<b>599</b>	<b>-108</b>	<b>-180</b>	<b>246</b>	<b>289</b>	<b>-531</b>	<b>-1062</b>	<b>-770</b>	<b>-190</b>	<b>-433</b>	<b>394</b>	<b>1351</b>	<b>-107</b>	<b>338</b>	<b>-27.8</b>
82 <b>Middle 80 pct</b>	<b>1275</b>	<b>596</b>	<b>125</b>	<b>481</b>	<b>849</b>	<b>341</b>	<b>1262</b>	<b>1226</b>	<b>1948</b>	<b>1710</b>	<b>2756</b>	<b>3585</b>	<b>3486</b>	<b>2053</b>	<b>1544</b>
83 <b>Top 10 pct</b>	<b>1876</b>	<b>1214</b>	<b>223</b>	<b>792</b>	<b>1709</b>	<b>2318</b>	<b>4626</b>	<b>4522</b>	<b>4683</b>	<b>3586</b>	<b>4739</b>	<b>4987</b>	<b>4514</b>	<b>3848</b>	<b>3154</b>

**Federal Report Surplus Deficit By Water Year**

**Operating Year 2020**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Federal Report Surplus Deficit	463	422	-138	180	183	-543	-623	-385	-124	-634	668	1462	1966	-476	163
2 1930 Federal Report Surplus Deficit	434	-94.9	55.8	223	313	-540	-1737	-273	-228	321	1761	1447	83.7	625	96.7
3 1931 Federal Report Surplus Deficit	780	-58.3	-169	220	407	-434	-1601	-1127	-527	-754	-1319	2292	289	815	-36.7
4 1932 Federal Report Surplus Deficit	300	-509	-421	108	-55.0	-498	-1405	-1444	1117	3303	4451	5189	4910	2091	1116
5 1933 Federal Report Surplus Deficit	539	960	136	356	363	153	2073	2288	1870	999	1834	3433	5736	4169	1893
6 1934 Federal Report Surplus Deficit	2403	1437	65.9	761	2811	3788	4740	4345	4045	4521	4634	4092	3608	983	2971
7 1935 Federal Report Surplus Deficit	278	-304	-415	305	5.07	-596	1928	1862	1872	-235	1919	2784	2626	2165	1112
8 1936 Federal Report Surplus Deficit	1774	163	-320	111	183	-551	-1458	-413	-29.4	369	3636	4924	4442	783	884
9 1937 Federal Report Surplus Deficit	425	-168	-294	38.7	396	-473	-1533	-746	-351	-351	-752	2193	1384	-114	7.43
10 1938 Federal Report Surplus Deficit	641	-25.5	-213	276	-131	122	1529	1634	2405	2591	4978	4612	3677	1971	1662
11 1939 Federal Report Surplus Deficit	288	-290	52.5	366	80.7	-651	288	249	259	1129	2935	3408	1247	525	654
12 1940 Federal Report Surplus Deficit	514	-206	-179	453	797	-145	-115	-257	3399	1464	2331	3106	1320	298	898
13 1941 Federal Report Surplus Deficit	114	-502	-219	171	285	-328	-698	-411	220	-726	543	2423	1363	828	281
14 1942 Federal Report Surplus Deficit	335	-210	179	203	690	873	925	-73.2	1616	334	2039	2669	2910	2783	1174
15 1943 Federal Report Surplus Deficit	1202	579	535	87.9	56.1	-346	2353	2179	2206	4721	5075	3923	5821	4215	2228
16 1944 Federal Report Surplus Deficit	927	250	-190	172	369	-586	-560	-273	-401	-473	495	1033	-299	147	1.92
17 1945 Federal Report Surplus Deficit	313	-493	-294	325	176	-486	-1550	-695	-339	-606	-1151	3618	4005	-294	291
18 1946 Federal Report Surplus Deficit	656	-292	-526	163	474	148	1002	624	2551	3242	5052	5159	3308	2888	1679
19 1947 Federal Report Surplus Deficit	1723	1210	126	143	882	2392	3273	2990	2934	2263	2612	4587	3793	2291	2276
20 1948 Federal Report Surplus Deficit	1581	834	-20.0	2149	2136	1037	2967	2084	1812	1605	3917	5970	5952	3523	2633
21 1949 Federal Report Surplus Deficit	2789	2025	422	381	709	-63.2	958	170	3250	2111	4627	5427	4181	-14.0	1769
22 1950 Federal Report Surplus Deficit	-193	-674	-527	240	52.6	-22.2	2848	2759	3864	3384	3543	4525	5852	4572	2263
23 1951 Federal Report Surplus Deficit	2039	1242	171	1023	2420	2469	4547	4455	4505	3814	4103	4942	3914	3592	3134
24 1952 Federal Report Surplus Deficit	1851	751	10.5	1727	1524	1145	2728	2399	2105	3615	5361	5760	4154	2128	2454
25 1953 Federal Report Surplus Deficit	1561	689	-455	100	240	-518	-226	1968	1732	425	1801	4297	6062	2681	1504
26 1954 Federal Report Surplus Deficit	1030	561	66.4	323	994	592	2089	3331	2990	1802	2726	4622	5455	4732	2350
27 1955 Federal Report Surplus Deficit	3268	2926	1961	430	1560	559	-70.2	342	-5.77	102	1306	3218	5822	4516	1845
28 1956 Federal Report Surplus Deficit	2643	1180	-146	582	2032	2448	4091	4313	3870	3208	5370	5859	5807	3743	3228
29 1957 Federal Report Surplus Deficit	2147	1573	108	541	663	756	1150	-1.34	2563	3172	2584	5942	6175	1809	2043
30 1958 Federal Report Surplus Deficit	1094	10.7	-74.7	205	492	-68.7	1488	1389	2077	1380	3625	5494	5096	1135	1687
31 1959 Federal Report Surplus Deficit	966	-67.0	-212	256	1380	1912	3632	3656	3273	2679	2379	4284	5324	4258	2558
32 1960 Federal Report Surplus Deficit	2641	1356	2202	2827	2899	1720	2038	1781	1787	5160	3802	3367	4656	2063	2645
33 1961 Federal Report Surplus Deficit	1187	85.0	-255	359	668	84.7	1671	2127	3636	2032	1983	4857	5630	1734	1926
34 1962 Federal Report Surplus Deficit	1120	345	-205	107	579	-170	1302	1620	352	3598	5199	4474	3375	1465	1495
35 1963 Federal Report Surplus Deficit	1009	546	-382	654	1627	1597	2154	1625	1547	327	1617	3586	3819	1811	1650
36 1964 Federal Report Surplus Deficit	1078	180	194	173	479	38.1	313	538	449	2295	1405	3867	5963	4429	1575
37 1965 Federal Report Surplus Deficit	2417	1720	692	941	1307	2646	5246	4883	3987	1549	5050	5430	4527	1886	3072
38 1966 Federal Report Surplus Deficit	2059	1641	-291	495	833	313	986	1095	629	3611	2531	2583	3219	2235	1416
39 1967 Federal Report Surplus Deficit	1154	209	-120	98.9	425	425	3356	3225	2870	1104	163	3245	5777	3963	2044
40 1968 Federal Report Surplus Deficit	1664	1136	116	369	1068	334	1726	2575	2381	-0.92	1037	2178	4636	2723	1664
41 1969 Federal Report Surplus Deficit	1842	1740	1131	1044	2096	1173	4533	3298	2783	3544	5093	5590	4555	2392	2888
42 1970 Federal Report Surplus Deficit	1359	572	-24.8	298	733	-346	1361	1360	1377	496	1386	3829	5124	998	1380
43 1971 Federal Report Surplus Deficit	729	-31.6	-240	148	441	64.5	4110	4602	4590	3193	4192	5682	5785	3509	2719
44 1972 Federal Report Surplus Deficit	2419	2419	305	585	882	630	3641	4471	5609	4854	3208	5642	5667	4447	3192
45 1973 Federal Report Surplus Deficit	2958	2638	489	498	901	265	1266	121	419	-824	667	2249	951	201	847
46 1974 Federal Report Surplus Deficit	380	-382	-300	233	455	1147	5392	5307	5120	3979	5011	5501	5738	4885	3157
47 1975 Federal Report Surplus Deficit	2657	2571	407	94.7	390	-330	1936	1791	1994	418	1306	4549	5666	4163	2014
48 1976 Federal Report Surplus Deficit	2040	1690	482	1180	2351	3301	3866	3658	3739	3874	4151	5678	4604	3962	3226
49 1977 Federal Report Surplus Deficit	3435	3419	2632	578	523	-567	-465	-21.7	-183	-811	374	902	-605	11.9	503
50 1978 Federal Report Surplus Deficit	322	-396	-687	-246	-22.7	929	1242	1601	1078	3283	2620	4622	3004	2156	1381
51 1979 Federal Report Surplus Deficit	677	23.1	1114	609	761	-461	-113	170	1719	343	1793	4230	2515	-117	986
52 1980 Federal Report Surplus Deficit	16.3	-297	-149	50.4	347	-821	588	-239	344	786	3417	5637	4826	809	1113
53 1981 Federal Report Surplus Deficit	257	-497	22.4	264	575	1560	2973	2622	2020	-593	1587	3789	5968	3332	1956
54 1982 Federal Report Surplus Deficit	2544	1544	98.7	276	1067	315	2403	4994	5058	3348	3119	5118	5839	4687	2919

### Federal Report Surplus Deficit By Water Year

#### Operating Year 2020

2015 White Book Report Date: 6/30/2015 *Continued*

S129-WB-20151029-154000

Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55 1983 Federal Report Surplus Deficit	2329	2284	1065	1087	1166	801	2873	3107	4486	2455	2734	4485	4716	3205	2658
56 1984 Federal Report Surplus Deficit	2428	1975	403	407	2561	1092	2294	2604	2696	3787	4750	4578	5530	3193	2646
57 1985 Federal Report Surplus Deficit	1823	489	403	463	1162	246	902	758	500	1731	3730	4663	2887	-771	1253
58 1986 Federal Report Surplus Deficit	-453	-768	-151	408	1551	426	1792	3051	5115	3949	4690	3451	3988	1374	2049
59 1987 Federal Report Surplus Deficit	620	-70.2	-306	89.0	691	327	158	-454	1596	-269	1300	3275	2299	164	724
60 1988 Federal Report Surplus Deficit	144	-649	-391	127	156	-850	-916	-1143	-148	-350	1190	2089	1050	743	76.8
61 1989 Federal Report Surplus Deficit	688	-91.3	-236	137	363	-98.5	-455	-885	1163	1475	4435	3432	2528	553	815
62 1990 Federal Report Surplus Deficit	280	-417	-241	216	820	787	1124	3015	2635	1274	4380	3385	4829	1775	1747
63 1991 Federal Report Surplus Deficit	1857	979	-177	23.8	2330	1315	3168	2625	2121	2324	2235	3836	4240	3996	2263
64 1992 Federal Report Surplus Deficit	2382	1370	-201	121	466	-756	-251	-205	1961	-903	487	2087	443	43.7	454
65 1993 Federal Report Surplus Deficit	249	-403	-411	186	350	-387	-1757	-1304	539	569	1198	4012	2983	980	504
66 1994 Federal Report Surplus Deficit	831	111	185	225	596	-182	-1446	-658	845	-478	1075	2212	2081	530	431
67 1995 Federal Report Surplus Deficit	595	-305	-105	164	-98.8	-256	473	1152	1063	1939	1732	3830	4848	1360	1195
68 1996 Federal Report Surplus Deficit	527	24.7	241	946	3162	4594	5075	5343	5687	3471	5481	5142	4906	4134	3660
69 1997 Federal Report Surplus Deficit	2249	1522	90.6	284	1059	1257	5387	5261	5137	3885	5512	5707	5965	4428	3424
70 1998 Federal Report Surplus Deficit	2347	2420	1054	2346	1969	228	819	1760	1289	240	2412	5552	5425	2022	2181
71 1999 Federal Report Surplus Deficit	1931	754	-81.3	186	421	733	3679	3815	4629	2315	3937	4079	5264	4330	2623
72 2000 Federal Report Surplus Deficit	3162	2498	488	396	2618	1631	1743	2007	1867	3359	4820	4604	2004	1773	2169
73 2001 Federal Report Surplus Deficit	1212	-359	-349	267	201	-547	-596	-292	-26.9	-570	490	1604	-953	274	-0.10
74 2002 Federal Report Surplus Deficit	302	-508	-718	-407	-136	-321	-422	-296	198	1114	4115	3373	5534	3278	1047
75 2003 Federal Report Surplus Deficit	180	-69.7	-150	226	541	-427	-1145	-74.9	2149	1084	2072	3267	4054	447	874
76 2004 Federal Report Surplus Deficit	171	-437	-405	312	1294	-196	-6.17	-676	879	538	1537	2977	2421	560	674
77 2005 Federal Report Surplus Deficit	-64.0	-329	583	550	776	506	829	1128	421	-316	1176	3381	2704	1070	1013
78 2006 Federal Report Surplus Deficit	564	-215	-158	97.4	733	335	1885	2106	2453	3630	4861	5153	5380	1679	1999
79 2007 Federal Report Surplus Deficit	1033	-492	-471	80.2	640	433	1893	1544	2860	2658	2246	3948	2199	1994	1487
80 2008 Federal Report Surplus Deficit	456	-434	-613	232	1023	-471	-17.1	177	587	677	324	4725	6238	2254	1219

#### Ranked Averages

81 <b>Bottom 10 pct</b>	<b>562</b>	<b>-145</b>	<b>-212</b>	<b>175</b>	<b>289</b>	<b>-538</b>	<b>-1033</b>	<b>-581</b>	<b>-198</b>	<b>-442</b>	<b>385</b>	<b>1818</b>	<b>610</b>	<b>355</b>	<b>73.8</b>
82 <b>Middle 80 pct</b>	<b>1242</b>	<b>559</b>	<b>90.8</b>	<b>410</b>	<b>849</b>	<b>335</b>	<b>1292</b>	<b>1415</b>	<b>1945</b>	<b>1700</b>	<b>2746</b>	<b>4058</b>	<b>4137</b>	<b>2072</b>	<b>1642</b>
83 <b>Top 10 pct</b>	<b>1839</b>	<b>1177</b>	<b>192</b>	<b>722</b>	<b>1708</b>	<b>2311</b>	<b>4656</b>	<b>4711</b>	<b>4707</b>	<b>3579</b>	<b>4736</b>	<b>5488</b>	<b>5141</b>	<b>3885</b>	<b>3261</b>

**Federal Report Surplus Deficit By Water Year**

**Operating Year 2021**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Federal Report Surplus Deficit	378	383	-187	142	140	-585	-676	-581	-164	-673	630	897	1142	-650	-12.0
2 1930 Federal Report Surplus Deficit	350	-134	6.46	185	270	-582	-1789	-470	-268	282	1723	891	-721	450	-76.3
3 1931 Federal Report Surplus Deficit	696	-97.6	-218	181	364	-476	-1653	-1324	-566	-793	-1357	1700	-516	641	-211
4 1932 Federal Report Surplus Deficit	216	-548	-470	70.1	-98.1	-540	-1457	-1640	1077	3224	4373	4345	3904	1899	903
5 1933 Federal Report Surplus Deficit	455	921	86.5	317	320	111	2021	2091	1831	961	1796	2794	4537	3873	1669
6 1934 Federal Report Surplus Deficit	2319	1398	16.6	723	2768	3746	4688	4148	3963	4346	4459	3396	2708	807	2759
7 1935 Federal Report Surplus Deficit	193	-343	-464	267	-38.1	-638	1875	1665	1832	-274	1882	2193	1783	1987	930
8 1936 Federal Report Surplus Deficit	1689	124	-370	73.1	140	-593	-1510	-609	-69.1	329	3598	4006	3426	602	665
9 1937 Federal Report Surplus Deficit	340	-207	-344	0.54	353	-515	-1586	-943	-391	-390	-790	1620	567	-288	-167
10 1938 Federal Report Surplus Deficit	556	-64.7	-262	238	-174	79.9	1477	1437	2364	2502	4892	3654	2742	1785	1439
11 1939 Federal Report Surplus Deficit	204	-330	3.15	328	37.5	-693	236	52.4	219	1088	2896	2774	436	350	474
12 1940 Federal Report Surplus Deficit	430	-245	-229	415	754	-187	-167	-454	3347	1424	2293	2508	515	124	723
13 1941 Federal Report Surplus Deficit	29.1	-541	-268	133	242	-370	-750	-608	180	-765	505	1848	556	653	108
14 1942 Federal Report Surplus Deficit	251	-249	129	165	647	831	873	-270	1577	295	2001	2071	2072	2590	996
15 1943 Federal Report Surplus Deficit	1118	540	486	49.8	13.0	-388	2300	1982	2166	4492	4858	3250	4588	3852	1977
16 1944 Federal Report Surplus Deficit	843	210	-240	134	326	-628	-612	-470	-441	-512	458	475	-1104	-27.6	-171
17 1945 Federal Report Surplus Deficit	228	-533	-343	287	133	-528	-1603	-892	-379	-645	-1189	2971	3089	-380	110
18 1946 Federal Report Surplus Deficit	572	-332	-576	125	431	106	949	427	2509	3145	4956	4100	2417	2688	1451
19 1947 Federal Report Surplus Deficit	1639	1171	76.4	105	839	2350	3220	2793	2893	2219	2567	3836	2886	2104	2074
20 1948 Federal Report Surplus Deficit	1496	794	-69.4	2110	2093	995	2914	1887	1772	1564	3876	4756	4570	3260	2349
21 1949 Federal Report Surplus Deficit	2705	1985	373	343	665	-105	906	-27.0	3203	2055	4572	4418	3164	-288	1534
22 1950 Federal Report Surplus Deficit	-277	-713	-577	202	9.48	-64.2	2796	2563	3807	3319	3478	3748	4598	4172	2009
23 1951 Federal Report Surplus Deficit	1955	1202	121	985	2377	2427	4495	4258	4421	3675	3965	3952	2954	3290	2884
24 1952 Federal Report Surplus Deficit	1767	712	-38.9	1689	1481	1103	2675	2203	2065	3483	5230	4761	3161	1936	2218
25 1953 Federal Report Surplus Deficit	1476	650	-505	62.1	197	-560	-279	1771	1693	386	1763	3477	4706	2467	1257
26 1954 Federal Report Surplus Deficit	946	522	17.0	285	951	550	2037	3134	2949	1756	2682	3734	4165	4244	2078
27 1955 Federal Report Surplus Deficit	3183	2887	1839	392	1517	517	-123	146	-45.4	63.0	1268	2602	4550	4174	1612
28 1956 Federal Report Surplus Deficit	2559	1141	-196	543	1989	2406	4039	4116	3819	3091	5253	4760	4554	3435	2949
29 1957 Federal Report Surplus Deficit	2063	1534	58.9	502	620	714	1098	-198	2521	3120	2533	4957	4758	1621	1785
30 1958 Federal Report Surplus Deficit	1009	-28.6	-124	167	449	-111	1436	1192	2037	1338	3584	4601	3950	950	1456
31 1959 Federal Report Surplus Deficit	882	-106	-261	217	1336	1870	3579	3459	3227	2634	2334	3516	4219	3964	2327
32 1960 Federal Report Surplus Deficit	2557	1317	2075	2789	2856	1678	1986	1584	1746	4939	3582	2745	3648	1883	2429
33 1961 Federal Report Surplus Deficit	1103	45.7	-304	320	625	42.7	1618	1930	3590	1993	1938	4013	4404	1544	1690
34 1962 Federal Report Surplus Deficit	1036	306	-254	68.4	536	-212	1249	1423	312	3495	5097	3680	2512	1284	1290
35 1963 Federal Report Surplus Deficit	924	506	-431	616	1584	1555	2102	1428	1508	288	1579	2882	2877	1619	1451
36 1964 Federal Report Surplus Deficit	993	141	144	135	436	-3.93	261	341	409	2255	1367	3154	4353	4047	1307
37 1965 Federal Report Surplus Deficit	2332	1680	642	903	1264	2604	5193	4687	3915	1486	4987	4331	3452	1703	2819
38 1966 Federal Report Surplus Deficit	1975	1602	-341	457	790	271	933	898	589	3561	2483	2013	2347	2047	1234
39 1967 Federal Report Surplus Deficit	1070	170	-170	60.7	382	383	3303	3028	2828	1065	125	2589	4303	3699	1796
40 1968 Federal Report Surplus Deficit	1580	1097	66.4	331	1025	292	1674	2378	2341	-40.7	1001	1605	3507	2512	1456
41 1969 Federal Report Surplus Deficit	1757	1701	1082	1006	2053	1131	4480	3101	2743	3373	4923	4594	3525	2200	2645
42 1970 Federal Report Surplus Deficit	1275	533	-74.1	260	690	-388	1308	1163	1338	458	1348	3167	3990	818	1170
43 1971 Federal Report Surplus Deficit	644	-70.9	-289	109	398	22.6	4058	4405	4474	3103	4103	4586	4450	3189	2428
44 1972 Federal Report Surplus Deficit	2334	2380	255	547	839	588	3589	4274	5282	4662	3016	4577	4293	4011	2865
45 1973 Federal Report Surplus Deficit	2873	2599	439	460	858	223	1213	-75.8	379	-862	630	1665	143	26.9	672
46 1974 Federal Report Surplus Deficit	295	-421	-349	195	411	1105	5339	5110	4978	3792	4826	4408	4707	4376	2864
47 1975 Federal Report Surplus Deficit	2573	2532	357	56.5	346	-372	1884	1595	1955	379	1268	3737	4472	3865	1777
48 1976 Federal Report Surplus Deficit	1956	1650	433	1142	2308	3259	3813	3461	3688	3758	4036	4714	3587	3638	2979
49 1977 Federal Report Surplus Deficit	3351	3379	2505	539	480	-609	-517	-218	-222	-850	336	347	-1410	-162	324
50 1978 Federal Report Surplus Deficit	237	-436	-736	-284	-65.9	887	1190	1404	1039	3230	2568	3802	2145	1973	1178
51 1979 Federal Report Surplus Deficit	592	-16.1	1053	570	718	-503	-165	-27.3	1679	304	1755	3490	1681	-291	796
52 1980 Federal Report Surplus Deficit	-68.1	-336	-198	12.2	304	-863	536	-436	305	746	3380	4623	3690	630	876
53 1981 Federal Report Surplus Deficit	173	-537	-27.0	225	532	1518	2920	2425	1980	-632	1549	3071	4619	3120	1718
54 1982 Federal Report Surplus Deficit	2460	1505	49.4	238	1024	273	2351	4797	4896	3299	3071	4161	4574	4348	2642

### Federal Report Surplus Deficit By Water Year

#### Operating Year 2021

2015 White Book Report Date: 6/30/2015 *Continued*

S129-WB-20151029-154000

Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55 1983 Federal Report Surplus Deficit	2244	2245	1009	1048	1123	759	2821	2910	4375	2409	2689	3678	3665	3011	2432
56 1984 Federal Report Surplus Deficit	2343	1936	354	369	2518	1050	2242	2408	2655	3678	4643	3819	4455	2954	2422
57 1985 Federal Report Surplus Deficit	1738	450	353	425	1119	204	849	561	460	1687	3688	3827	2030	-945	1052
58 1986 Federal Report Surplus Deficit	-538	-807	-200	370	1507	384	1740	2854	4906	3809	4520	2842	3073	1176	1833
59 1987 Federal Report Surplus Deficit	535	-109	-355	50.8	648	285	106	-651	1556	-308	1262	2629	1481	-10.2	544
60 1988 Federal Report Surplus Deficit	59.8	-688	-440	89.1	113	-892	-968	-1340	-188	-389	1152	1512	245	566	-95.6
61 1989 Federal Report Surplus Deficit	604	-130	-285	99.1	320	-140	-507	-1082	1122	1430	4390	2797	1697	379	636
62 1990 Federal Report Surplus Deficit	195	-456	-290	178	777	745	1071	2819	2593	1231	4335	2757	3713	1585	1536
63 1991 Federal Report Surplus Deficit	1773	940	-227	-14.4	2287	1273	3116	2428	2082	2279	2191	3166	3270	3642	2049
64 1992 Federal Report Surplus Deficit	2297	1331	-250	82.7	422	-798	-304	-401	1921	-942	449	1505	-362	-131	279
65 1993 Federal Report Surplus Deficit	164	-442	-461	147	306	-429	-1809	-1501	499	530	1160	3272	2142	802	316
66 1994 Federal Report Surplus Deficit	747	71.9	135	187	553	-224	-1499	-854	805	-516	1037	1648	1258	355	258
67 1995 Federal Report Surplus Deficit	511	-344	-154	126	-142	-298	421	955	1023	1900	1694	3111	3766	1180	984
68 1996 Federal Report Surplus Deficit	443	-14.5	192	908	3118	4552	5023	5146	5467	3354	5335	4169	3826	3863	3392
69 1997 Federal Report Surplus Deficit	2165	1483	41.2	245	1015	1215	5335	5065	4950	3711	5339	4585	4592	4110	3114
70 1998 Federal Report Surplus Deficit	2262	2381	997	2307	1926	186	767	1563	1249	201	2374	4520	4336	1832	1942
71 1999 Federal Report Surplus Deficit	1846	715	-131	148	378	691	3627	3618	4530	2271	3865	3363	4015	3944	2371
72 2000 Federal Report Surplus Deficit	3077	2459	439	358	2575	1589	1691	1810	1827	3262	4723	3813	1167	1593	1968
73 2001 Federal Report Surplus Deficit	1128	-398	-399	228	158	-589	-648	-489	-66.5	-609	452	1031	-1758	99.6	-175
74 2002 Federal Report Surplus Deficit	218	-547	-767	-445	-179	-363	-475	-493	159	1075	4078	2765	4251	3074	831
75 2003 Federal Report Surplus Deficit	95.6	-109	-200	188	498	-469	-1198	-272	2108	1045	2034	2674	3164	203	687
76 2004 Federal Report Surplus Deficit	87.1	-476	-454	274	1251	-238	-58.6	-873	840	499	1500	2396	1589	385	500
77 2005 Federal Report Surplus Deficit	-148	-369	534	512	733	464	777	931	381	-355	1139	2791	1872	895	834
78 2006 Federal Report Surplus Deficit	480	-254	-207	59.2	690	293	1833	1909	2412	3501	4731	4312	4197	1487	1761
79 2007 Federal Report Surplus Deficit	948	-531	-520	42.1	596	391	1841	1347	2819	2617	2208	3254	1372	1813	1299
80 2008 Federal Report Surplus Deficit	372	-473	-663	194	980	-513	-69.5	-19.7	547	639	286	3882	4624	2056	955

**Ranked Averages**

81 <b>Bottom 10 pct</b>	<b>478</b>	<b>-184</b>	<b>-261</b>	<b>137</b>	<b>246</b>	<b>-579</b>	<b>-1085</b>	<b>-778</b>	<b>-238</b>	<b>-481</b>	<b>347</b>	<b>1247</b>	<b>-199</b>	<b>181</b>	<b>-99.9</b>
82 <b>Middle 80 pct</b>	<b>1157</b>	<b>520</b>	<b>37.5</b>	<b>372</b>	<b>805</b>	<b>293</b>	<b>1239</b>	<b>1218</b>	<b>1896</b>	<b>1639</b>	<b>2684</b>	<b>3300</b>	<b>3087</b>	<b>1850</b>	<b>1424</b>
83 <b>Top 10 pct</b>	<b>1755</b>	<b>1138</b>	<b>142</b>	<b>683</b>	<b>1665</b>	<b>2269</b>	<b>4603</b>	<b>4515</b>	<b>4565</b>	<b>3441</b>	<b>4595</b>	<b>4437</b>	<b>3996</b>	<b>3553</b>	<b>2983</b>

**Federal Report Surplus Deficit By Water Year**

**Operating Year 2022**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Federal Report Surplus Deficit	331	237	-284	53.7	58.2	-667	-754	-664	-244	-708	595	1383	1873	-553	37.4
2 1930 Federal Report Surplus Deficit	302	-280	-90.9	96.8	188	-665	-1868	-553	-351	247	1688	1374	9.69	548	-27.4
3 1931 Federal Report Surplus Deficit	648	-243	-316	100	289	-555	-1729	-1402	-642	-822	-1386	2193	220	742	-157
4 1932 Federal Report Surplus Deficit	168	-693	-568	-13.2	-177	-622	-1535	-1723	998	3192	4341	4835	4636	1999	954
5 1933 Federal Report Surplus Deficit	407	775	-10.9	232	240	28.9	1943	2008	1752	928	1763	3286	5270	3972	1720
6 1934 Federal Report Surplus Deficit	2271	1252	-80.8	642	2696	3666	4614	4071	3888	4317	4430	3888	3445	909	2813
7 1935 Federal Report Surplus Deficit	146	-489	-561	184	-116	-720	1797	1582	1749	-305	1850	2683	2516	2087	981
8 1936 Federal Report Surplus Deficit	1642	-21.5	-467	-15.0	58.0	-674	-1588	-692	-148	298	3566	4495	4157	701	716
9 1937 Federal Report Surplus Deficit	293	-352	-441	-84.5	276	-597	-1664	-1025	-469	-421	-821	2110	1300	-190	-116
10 1938 Federal Report Surplus Deficit	509	-210	-359	152	-256	-2.09	1399	1354	2285	2470	4859	4140	3471	1882	1488
11 1939 Federal Report Surplus Deficit	156	-475	-94.3	241	-44.1	-776	157	-29.2	140	1056	2864	3261	1169	450	524
12 1940 Federal Report Surplus Deficit	382	-390	-326	330	673	-270	-246	-535	3267	1392	2262	2996	1247	225	774
13 1941 Federal Report Surplus Deficit	-18.5	-686	-365	48.4	164	-452	-829	-689	100	-797	472	2336	1288	751	158
14 1942 Federal Report Surplus Deficit	203	-395	31.9	81.2	565	748	794	-353	1498	262	1968	2561	2802	2688	1046
15 1943 Federal Report Surplus Deficit	1070	395	388	-38.3	-68.0	-470	2223	1900	2085	4457	4823	3734	5314	3948	2026
16 1944 Federal Report Surplus Deficit	795	65.1	-337	47.6	246	-711	-690	-553	-520	-545	425	965	-373	71.5	-121
17 1945 Federal Report Surplus Deficit	181	-678	-441	202	55.4	-610	-1681	-975	-460	-683	-1227	3454	3817	-282	159
18 1946 Federal Report Surplus Deficit	524	-477	-673	33.4	350	24.1	871	344	2429	3111	4922	4583	3145	2783	1500
19 1947 Federal Report Surplus Deficit	1591	1025	-21.0	18.8	757	2268	3142	2710	2811	2182	2530	4321	3615	2201	2123
20 1948 Federal Report Surplus Deficit	1449	649	-167	2024	2011	913	2837	1804	1691	1530	3842	5241	5299	3358	2399
21 1949 Federal Report Surplus Deficit	2657	1840	275	254	584	-187	828	-110	3123	2021	4537	4902	3894	-190	1583
22 1950 Federal Report Surplus Deficit	-325	-859	-674	114	-72.1	-146	2718	2480	3724	3281	3440	4230	5324	4266	2057
23 1951 Federal Report Surplus Deficit	1907	1057	23.8	893	2296	2346	4417	4176	4338	3636	3927	4433	3681	3384	2931
24 1952 Federal Report Surplus Deficit	1719	567	-136	1597	1399	1022	2597	2120	1983	3448	5195	5248	3892	2032	2267
25 1953 Federal Report Surplus Deficit	1429	504	-602	-24.7	117	-642	-356	1689	1611	352	1729	3964	5436	2564	1307
26 1954 Federal Report Surplus Deficit	898	377	-80.4	199	869	468	1958	3051	2867	1721	2646	4220	4895	4342	2127
27 1955 Federal Report Surplus Deficit	3136	2742	1742	306	1438	434	-201	62.7	-127	29.9	1235	3091	5280	4268	1661
28 1956 Federal Report Surplus Deficit	2511	996	-293	453	1908	2325	3962	4033	3737	3055	5217	5244	5283	3532	2998
29 1957 Federal Report Surplus Deficit	2015	1389	-38.5	411	538	633	1019	-281	2438	3084	2497	5443	5487	1716	1834
30 1958 Federal Report Surplus Deficit	962	-174	-221	80.3	369	-193	1357	1109	1956	1304	3549	5090	4681	1047	1506
31 1959 Federal Report Surplus Deficit	834	-252	-358	131	1260	1788	3501	3376	3143	2594	2294	4001	4950	4062	2376
32 1960 Federal Report Surplus Deficit	2509	1172	1977	2703	2779	1595	1907	1501	1663	4901	3543	3233	4381	1983	2479
33 1961 Federal Report Surplus Deficit	1055	-99.6	-401	237	549	-39.8	1540	1847	3508	1959	1904	4501	5138	1644	1741
34 1962 Federal Report Surplus Deficit	988	161	-351	-15.6	454	-294	1171	1341	230	3458	5060	4167	3244	1380	1339
35 1963 Federal Report Surplus Deficit	877	361	-529	532	1510	1472	2024	1345	1427	254	1545	3371	3610	1718	1502
36 1964 Federal Report Surplus Deficit	946	-4.07	46.9	50.6	354	-85.9	183	258	327	2221	1332	3640	5083	4142	1357
37 1965 Federal Report Surplus Deficit	2285	1535	545	811	1183	2521	5115	4604	3831	1447	4949	4813	4179	1794	2866
38 1966 Federal Report Surplus Deficit	1927	1457	-438	369	708	188	855	815	505	3523	2445	2501	3079	2145	1284
39 1967 Federal Report Surplus Deficit	1022	24.7	-267	-22.7	308	300	3225	2945	2744	1030	89.6	3073	5033	3794	1846
40 1968 Federal Report Surplus Deficit	1532	952	-31.0	246	944	210	1596	2295	2257	-74.9	967	2091	4235	2605	1505
41 1969 Federal Report Surplus Deficit	1709	1555	984	914	1972	1049	4402	3018	2661	3337	4888	5080	4257	2299	2694
42 1970 Federal Report Surplus Deficit	1227	387	-172	175	609	-470	1230	1080	1255	420	1310	3650	4717	911	1218
43 1971 Federal Report Surplus Deficit	597	-216	-387	18.0	317	-58.6	3980	4323	4391	3063	4063	5066	5175	3281	2475
44 1972 Federal Report Surplus Deficit	2287	2235	158	456	758	507	3511	4191	5199	4622	2977	5056	5018	4102	2912
45 1973 Federal Report Surplus Deficit	2825	2454	342	371	776	141	1134	-159	296	-898	594	2151	873	123	721
46 1974 Federal Report Surplus Deficit	248	-567	-447	104	331	1023	5262	5028	4895	3756	4789	4890	5433	4468	2912
47 1975 Federal Report Surplus Deficit	2525	2387	260	-35.0	265	-454	1806	1512	1871	343	1231	4218	5198	3956	1824
48 1976 Federal Report Surplus Deficit	1908	1505	335	1050	2227	3178	3735	3378	3605	3722	4000	5199	4316	3728	3027
49 1977 Federal Report Surplus Deficit	3303	3234	2408	457	404	-692	-596	-301	-306	-882	304	839	-677	-62.7	376
50 1978 Federal Report Surplus Deficit	190	-581	-834	-371	-147	805	1111	1321	957	3194	2532	4290	2874	2066	1227
51 1979 Federal Report Surplus Deficit	545	-161	956	479	636	-585	-244	-110	1597	270	1721	3978	2415	-193	845
52 1980 Federal Report Surplus Deficit	-116	-481	-296	-72.0	222	-945	458	-519	223	712	3344	5110	4423	728	926
53 1981 Federal Report Surplus Deficit	125	-682	-124	142	452	1435	2842	2342	1899	-666	1515	3560	5353	3220	1769
54 1982 Federal Report Surplus Deficit	2412	1359	-48.0	147	943	191	2273	4715	4812	3260	3032	4641	5299	4439	2689

### Federal Report Surplus Deficit By Water Year

#### Operating Year 2022

2015 White Book Report Date: 6/30/2015 *Continued*

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Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55 1983 Federal Report Surplus Deficit	2197	2099	911	957	1042	677	2743	2828	4291	2372	2652	4158	4389	3102	2479
56 1984 Federal Report Surplus Deficit	2296	1790	257	277	2437	969	2165	2325	2572	3639	4604	4299	5180	3045	2469
57 1985 Federal Report Surplus Deficit	1691	305	256	333	1038	122	771	478	379	1652	3652	4312	2761	-850	1101
58 1986 Federal Report Surplus Deficit	-585	-953	-298	279	1427	303	1662	2772	4823	3769	4481	3323	3799	1267	1881
59 1987 Federal Report Surplus Deficit	488	-255	-453	-35.0	567	203	27.0	-734	1475	-342	1227	3116	2214	89.6	594
60 1988 Federal Report Surplus Deficit	12.1	-833	-537	6.85	36.7	-973	-1047	-1423	-271	-423	1118	2001	978	667	-44.9
61 1989 Federal Report Surplus Deficit	556	-276	-383	16.0	242	-223	-586	-1165	1041	1394	4354	3282	2428	477	686
62 1990 Federal Report Surplus Deficit	148	-601	-387	93.9	698	662	992	2736	2510	1192	4295	3242	4444	1686	1586
63 1991 Federal Report Surplus Deficit	1725	795	-324	-98.9	2212	1190	3037	2345	1999	2244	2156	3652	4000	3741	2099
64 1992 Federal Report Surplus Deficit	2250	1185	-348	-0.02	346	-880	-382	-484	1839	-977	414	1992	371	-30.2	330
65 1993 Federal Report Surplus Deficit	117	-587	-558	63.1	231	-512	-1887	-1584	415	493	1123	3758	2872	900	366
66 1994 Federal Report Surplus Deficit	699	-73.4	37.8	102	471	-307	-1578	-937	722	-552	1001	2134	1990	454	307
67 1995 Federal Report Surplus Deficit	463	-490	-252	40.8	-219	-380	343	873	941	1864	1658	3597	4495	1274	1034
68 1996 Federal Report Surplus Deficit	395	-160	94.6	817	3037	4470	4945	5063	5384	3316	5297	4654	4554	3955	3440
69 1997 Federal Report Surplus Deficit	2117	1338	-56.2	155	935	1134	5259	4982	4867	3671	5299	5064	5316	4201	3162
70 1998 Federal Report Surplus Deficit	2215	2236	900	2216	1844	105	689	1480	1166	161	2334	5002	5060	1926	1990
71 1999 Federal Report Surplus Deficit	1799	569	-228	57.1	297	610	3550	3535	4446	2232	3825	3846	4741	4037	2419
72 2000 Federal Report Surplus Deficit	3030	2314	341	267	2494	1506	1612	1727	1744	3224	4686	4296	1896	1691	2017
73 2001 Federal Report Surplus Deficit	1080	-543	-496	143	82.6	-671	-727	-572	-148	-646	415	1517	-1025	200	-124
74 2002 Federal Report Surplus Deficit	170	-693	-865	-528	-253	-445	-554	-576	75.3	1035	4037	3253	4983	3173	881
75 2003 Federal Report Surplus Deficit	48.0	-254	-297	104	423	-552	-1277	-355	2024	1006	1995	3162	3897	304	737
76 2004 Federal Report Surplus Deficit	39.5	-622	-552	191	1175	-321	-137	-955	756	462	1462	2883	2321	485	550
77 2005 Federal Report Surplus Deficit	-196	-514	436	429	658	382	698	848	298	-392	1101	3277	2603	994	884
78 2006 Federal Report Surplus Deficit	432	-400	-305	-28.5	609	210	1754	1826	2328	3465	4695	4797	4925	1582	1809
79 2007 Federal Report Surplus Deficit	900	-677	-618	-44.3	520	308	1762	1264	2735	2577	2168	3740	2103	1911	1348
80 2008 Federal Report Surplus Deficit	324	-619	-760	112	909	-586	-136	-90.4	474	607	255	4370	5354	2153	1010

#### Ranked Averages

81 <b>Bottom 10 pct</b>	<b>430</b>	<b>-329</b>	<b>-359</b>	<b>51.5</b>	<b>168</b>	<b>-661</b>	<b>-1163</b>	<b>-860</b>	<b>-318</b>	<b>-514</b>	<b>313</b>	<b>1735</b>	<b>534</b>	<b>280</b>	<b>-49.3</b>
82 <b>Middle 80 pct</b>	<b>1110</b>	<b>374</b>	<b>-59.9</b>	<b>285</b>	<b>726</b>	<b>211</b>	<b>1161</b>	<b>1136</b>	<b>1814</b>	<b>1603</b>	<b>2649</b>	<b>3786</b>	<b>3817</b>	<b>1947</b>	<b>1474</b>
83 <b>Top 10 pct</b>	<b>1707</b>	<b>992</b>	<b>45.0</b>	<b>592</b>	<b>1584</b>	<b>2188</b>	<b>4526</b>	<b>4432</b>	<b>4482</b>	<b>3403</b>	<b>4557</b>	<b>4919</b>	<b>4722</b>	<b>3645</b>	<b>3031</b>

**Federal Report Surplus Deficit By Water Year**

**Operating Year 2023**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Federal Report Surplus Deficit	336	294	-256	8.41	1.36	-731	-819	-726	-299	-781	567	823	1062	-674	-115
2 1930 Federal Report Surplus Deficit	306	-224	-61.9	51.5	131	-729	-1933	-614	-406	174	1660	814	-801	427	-180
3 1931 Federal Report Surplus Deficit	659	-181	-279	54.8	232	-619	-1794	-1463	-697	-895	-1414	1633	-591	621	-308
4 1932 Federal Report Surplus Deficit	176	-634	-535	-58.5	-234	-686	-1601	-1785	943	3119	4313	4275	3825	1878	802
5 1933 Federal Report Surplus Deficit	410	830	20.1	187	184	-35.0	1877	1947	1696	855	1735	2726	4459	3851	1567
6 1934 Federal Report Surplus Deficit	2277	1310	-47.9	597	2639	3602	4549	4010	3833	4243	4402	3328	2635	788	2661
7 1935 Federal Report Surplus Deficit	155	-428	-529	139	-173	-784	1732	1521	1693	-379	1822	2123	1705	1966	829
8 1936 Federal Report Surplus Deficit	1644	32.3	-440	-60.2	1.23	-738	-1653	-754	-203	224	3537	3936	3347	580	563
9 1937 Federal Report Surplus Deficit	300	-294	-409	-130	219	-661	-1730	-1086	-524	-495	-850	1549	489	-311	-268
10 1938 Federal Report Surplus Deficit	514	-154	-329	107	-313	-66.0	1334	1293	2230	2397	4832	3580	2660	1762	1336
11 1939 Federal Report Surplus Deficit	161	-419	-62.5	195	-101	-840	92.1	-90.5	84.8	983	2835	2701	358	329	372
12 1940 Federal Report Surplus Deficit	389	-332	-295	284	616	-334	-311	-596	3211	1319	2233	2435	437	104	621
13 1941 Federal Report Surplus Deficit	-11.4	-628	-333	3.14	107	-516	-894	-750	44.9	-871	444	1775	477	630	6.16
14 1942 Federal Report Surplus Deficit	210	-337	63.4	35.9	509	685	729	-414	1443	188	1940	2000	1992	2567	894
15 1943 Federal Report Surplus Deficit	1073	449	416	-83.6	-125	-534	2158	1838	2030	4384	4794	3173	4503	3827	1873
16 1944 Federal Report Surplus Deficit	798	120	-309	2.33	190	-775	-755	-614	-575	-618	396	404	-1183	-49.4	-274
17 1945 Federal Report Surplus Deficit	187	-620	-410	157	-1.43	-674	-1746	-1036	-516	-757	-1255	2893	3006	-403	7.11
18 1946 Federal Report Surplus Deficit	527	-423	-648	-11.8	293	-39.9	806	283	2374	3038	4894	4024	2334	2662	1347
19 1947 Federal Report Surplus Deficit	1598	1084	9.34	-26.4	700	2204	3077	2649	2756	2109	2502	3762	2804	2079	1971
20 1948 Federal Report Surplus Deficit	1452	704	-138	1979	1955	849	2771	1743	1636	1456	3814	4682	4490	3237	2246
21 1949 Federal Report Surplus Deficit	2664	1898	307	209	527	-251	762	-171	3068	1948	4510	4341	3083	-312	1431
22 1950 Federal Report Surplus Deficit	-319	-802	-645	69.1	-129	-210	2653	2419	3669	3207	3412	3670	4514	4145	1905
23 1951 Federal Report Surplus Deficit	1907	1108	44.6	848	2239	2282	4352	4114	4282	3563	3898	3873	2870	3263	2778
24 1952 Federal Report Surplus Deficit	1720	619	-112	1552	1343	958	2532	2058	1928	3375	5167	4688	3081	1911	2114
25 1953 Federal Report Surplus Deficit	1429	556	-573	-70.0	60.0	-706	-422	1627	1556	279	1701	3404	4626	2443	1154
26 1954 Federal Report Surplus Deficit	903	433	-50.6	154	813	404	1893	2990	2812	1648	2618	3660	4085	4221	1975
27 1955 Federal Report Surplus Deficit	3141	2798	1772	261	1381	370	-266	1.38	-182	-43.6	1207	2530	4470	4147	1509
28 1956 Federal Report Surplus Deficit	2511	1047	-263	407	1851	2261	3896	3972	3681	2982	5189	4684	4473	3411	2845
29 1957 Federal Report Surplus Deficit	2023	1448	-10.8	366	481	569	954	-342	2383	3011	2469	4882	4677	1596	1681
30 1958 Federal Report Surplus Deficit	964	-120	-194	35.1	312	-257	1292	1048	1901	1230	3521	4530	3870	926	1353
31 1959 Federal Report Surplus Deficit	838	-197	-329	86.2	1203	1724	3435	3315	3088	2521	2266	3442	4139	3941	2223
32 1960 Federal Report Surplus Deficit	2515	1229	2009	2658	2722	1531	1842	1440	1607	4827	3515	2673	3571	1862	2327
33 1961 Federal Report Surplus Deficit	1062	-41.7	-371	192	492	-104	1474	1786	3453	1886	1876	3942	4327	1523	1589
34 1962 Federal Report Surplus Deficit	995	219	-325	-60.8	397	-358	1105	1279	175	3384	5032	3607	2433	1260	1187
35 1963 Federal Report Surplus Deficit	883	419	-500	487	1453	1408	1959	1284	1372	181	1517	2811	2799	1597	1350
36 1964 Federal Report Surplus Deficit	952	53.5	79.7	5.33	298	-150	118	197	272	2147	1303	3080	4273	4021	1204
37 1965 Federal Report Surplus Deficit	2282	1584	565	766	1126	2457	5050	4543	3776	1374	4921	4253	3368	1673	2713
38 1966 Federal Report Surplus Deficit	1927	1508	-412	324	652	124	789	754	450	3450	2418	1940	2269	2024	1131
39 1967 Federal Report Surplus Deficit	1030	83.4	-234	-68.0	251	236	3160	2884	2690	956	61.3	2513	4222	3673	1694
40 1968 Federal Report Surplus Deficit	1532	1003	-2.22	200	887	146	1530	2234	2202	-148	938	1531	3425	2484	1352
41 1969 Federal Report Surplus Deficit	1706	1603	1007	869	1915	985	4336	2957	2605	3264	4859	4520	3446	2178	2540
42 1970 Federal Report Surplus Deficit	1234	445	-140	130	552	-534	1165	1019	1200	347	1282	3090	3906	791	1066
43 1971 Federal Report Surplus Deficit	594	-167	-366	-27.2	260	-122	3915	4262	4336	2990	4035	4506	4364	3160	2321
44 1972 Federal Report Surplus Deficit	2286	2285	181	410	701	443	3446	4130	5144	4548	2948	4496	4207	3980	2759
45 1973 Federal Report Surplus Deficit	2826	2505	365	325	719	77.0	1069	-220	241	-971	566	1591	62.7	2.24	567
46 1974 Federal Report Surplus Deficit	249	-514	-421	58.4	274	960	5197	4966	4841	3682	4762	4330	4622	4347	2759
47 1975 Federal Report Surplus Deficit	2523	2436	285	-80.2	208	-518	1740	1451	1816	269	1203	3658	4387	3835	1671
48 1976 Federal Report Surplus Deficit	1905	1553	358	1005	2170	3114	3670	3317	3549	3648	3972	4639	3505	3607	2873
49 1977 Federal Report Surplus Deficit	3304	3285	2440	412	347	-756	-661	-363	-361	-956	276	278	-1487	-184	223
50 1978 Federal Report Surplus Deficit	198	-521	-802	-416	-204	741	1046	1260	902	3121	2504	3730	2064	1945	1075
51 1979 Federal Report Surplus Deficit	540	-115	976	434	579	-649	-309	-172	1542	197	1693	3417	1604	-314	691
52 1980 Federal Report Surplus Deficit	-109	-423	-264	-117	165	-1009	393	-580	168	639	3317	4550	3612	607	774
53 1981 Federal Report Surplus Deficit	131	-625	-93.2	97.0	395	1372	2777	2281	1844	-740	1486	3000	4543	3098	1617
54 1982 Federal Report Surplus Deficit	2419	1417	-19.8	102	886	127	2207	4654	4757	3187	3003	4080	4489	4318	2537



### Federal Report Surplus Deficit By Water Year

#### Operating Year 2023

**2015 White Book** Report Date: **6/30/2015** *Continued*

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Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55 1983 Federal Report Surplus Deficit	2191	2145	933	912	985	613	2678	2767	4236	2298	2623	3597	3578	2982	2325
56 1984 Federal Report Surplus Deficit	2293	1839	280	232	2380	905	2100	2264	2517	3566	4575	3738	4369	2923	2315
57 1985 Federal Report Surplus Deficit	1688	354	279	288	981	58.4	706	417	324	1579	3624	3752	1950	-971	948
58 1986 Federal Report Surplus Deficit	-587	-903	-273	234	1370	239	1597	2710	4768	3695	4452	2762	2988	1146	1727
59 1987 Federal Report Surplus Deficit	485	-206	-425	-80.2	510	139	-38.2	-795	1420	-416	1199	2556	1403	-31.3	441
60 1988 Federal Report Surplus Deficit	21.3	-773	-503	-38.4	-20.1	-1037	-1112	-1484	-327	-497	1089	1441	167	546	-197
61 1989 Federal Report Surplus Deficit	563	-217	-350	-29.2	185	-287	-651	-1226	986	1321	4326	2722	1617	356	534
62 1990 Federal Report Surplus Deficit	152	-546	-358	48.7	641	598	927	2674	2455	1118	4267	2683	3634	1564	1433
63 1991 Federal Report Surplus Deficit	1732	852	-294	-144	2156	1126	2972	2284	1944	2170	2127	3092	3189	3620	1947
64 1992 Federal Report Surplus Deficit	2256	1243	-316	-45.3	289	-944	-448	-546	1784	-1050	386	1432	-439	-151	178
65 1993 Federal Report Surplus Deficit	124	-528	-526	17.8	174	-576	-1953	-1645	360	419	1095	3197	2061	779	214
66 1994 Federal Report Surplus Deficit	701	-20.0	66.4	56.8	414	-371	-1643	-999	667	-626	973	1573	1180	333	154
67 1995 Federal Report Surplus Deficit	470	-432	-220	-4.47	-276	-444	277	812	886	1791	1630	3036	3685	1153	882
68 1996 Federal Report Surplus Deficit	391	-112	115	771	2981	4406	4880	5002	5329	3242	5269	4094	3743	3834	3287
69 1997 Federal Report Surplus Deficit	2114	1386	-32.7	109	878	1070	5194	4921	4811	3598	5271	4504	4506	4080	3008
70 1998 Federal Report Surplus Deficit	2212	2284	922	2171	1787	40.8	624	1419	1110	87.7	2306	4442	4250	1804	1836
71 1999 Federal Report Surplus Deficit	1798	620	-205	11.8	240	546	3484	3474	4391	2158	3797	3286	3930	3916	2266
72 2000 Federal Report Surplus Deficit	3031	2367	369	221	2437	1442	1547	1666	1689	3151	4658	3737	1086	1570	1864
73 2001 Federal Report Surplus Deficit	1087	-485	-464	98.0	25.7	-735	-792	-633	-203	-720	386	957	-1836	79.5	-276
74 2002 Federal Report Surplus Deficit	178	-633	-831	-573	-310	-509	-619	-637	20.1	962	4010	2692	4172	3052	729
75 2003 Federal Report Surplus Deficit	53.9	-197	-266	59.1	366	-616	-1342	-416	1970	933	1967	2601	3086	183	585
76 2004 Federal Report Surplus Deficit	47.7	-562	-520	146	1118	-385	-203	-1017	701	388	1434	2323	1510	364	398
77 2005 Federal Report Surplus Deficit	-190	-457	469	384	601	318	633	787	243	-466	1073	2717	1793	873	732
78 2006 Federal Report Surplus Deficit	436	-345	-278	-73.7	552	147	1689	1765	2273	3391	4666	4237	4115	1461	1657
79 2007 Federal Report Surplus Deficit	904	-621	-588	-89.5	463	244	1697	1203	2680	2503	2139	3180	1292	1790	1196
80 2008 Federal Report Surplus Deficit	323	-568	-729	67.0	852	-650	-201	-152	419	534	226	3810	4543	2032	857

**Ranked Averages**

81 <b>Bottom 10 pct</b>	<b>437</b>	<b>-271</b>	<b>-327</b>	<b>6.26</b>	<b>111</b>	<b>-725</b>	<b>-1229</b>	<b>-921</b>	<b>-373</b>	<b>-588</b>	<b>285</b>	<b>1175</b>	<b>-277</b>	<b>159</b>	<b>-201</b>
82 <b>Middle 80 pct</b>	<b>1113</b>	<b>429</b>	<b>-31.1</b>	<b>240</b>	<b>669</b>	<b>147</b>	<b>1096</b>	<b>1075</b>	<b>1758</b>	<b>1530</b>	<b>2620</b>	<b>3226</b>	<b>3006</b>	<b>1826</b>	<b>1321</b>
83 <b>Top 10 pct</b>	<b>1706</b>	<b>1042</b>	<b>68.3</b>	<b>547</b>	<b>1527</b>	<b>2124</b>	<b>4461</b>	<b>4371</b>	<b>4427</b>	<b>3330</b>	<b>4529</b>	<b>4359</b>	<b>3912</b>	<b>3524</b>	<b>2878</b>

**Federal Report Surplus Deficit By Water Year**

**Operating Year 2024**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Federal Report Surplus Deficit	290	247	-303	40.7	42.8	-689	-768	-529	-261	-723	581	1373	1853	-566	31.8
2 1930 Federal Report Surplus Deficit	260	-270	-109	83.8	173	-687	-1882	-417	-368	233	1674	1363	-9.51	535	-32.5
3 1931 Federal Report Surplus Deficit	613	-227	-326	87.1	273	-577	-1743	-1266	-659	-836	-1400	2183	200	729	-163
4 1932 Federal Report Surplus Deficit	130	-680	-581	-26.1	-192	-645	-1549	-1588	981	3178	4327	4824	4616	1986	944
5 1933 Federal Report Surplus Deficit	364	783	-26.6	219	225	6.79	1929	2144	1735	913	1749	3275	5251	3959	1717
6 1934 Federal Report Surplus Deficit	2230	1263	-94.7	629	2681	3644	4600	4207	3871	4302	4416	3877	3426	896	2814
7 1935 Federal Report Surplus Deficit	109	-475	-575	171	-132	-742	1783	1718	1732	-320	1836	2672	2497	2074	980
8 1936 Federal Report Surplus Deficit	1598	-14.2	-486	-27.9	42.7	-696	-1602	-557	-165	283	3552	4485	4138	688	708
9 1937 Federal Report Surplus Deficit	253	-340	-456	-97.5	260	-619	-1678	-889	-486	-436	-836	2098	1281	-203	-121
10 1938 Federal Report Surplus Deficit	467	-200	-376	139	-271	-24.2	1385	1490	2268	2456	4845	4129	3452	1869	1485
11 1939 Federal Report Surplus Deficit	114	-466	-109	228	-59.4	-798	143	106	123	1042	2849	3250	1150	437	519
12 1940 Federal Report Surplus Deficit	343	-379	-342	317	658	-292	-260	-400	3249	1378	2246	2985	1228	211	767
13 1941 Federal Report Surplus Deficit	-57.9	-674	-380	35.5	149	-474	-843	-553	83.0	-812	458	2324	1269	738	153
14 1942 Federal Report Surplus Deficit	163	-384	16.6	68.2	550	726	780	-218	1481	247	1953	2550	2783	2675	1039
15 1943 Federal Report Surplus Deficit	1027	403	369	-51.3	-83.3	-492	2209	2035	2068	4442	4808	3723	5295	3935	2022
16 1944 Federal Report Surplus Deficit	752	73.4	-356	34.6	231	-733	-704	-417	-537	-560	410	953	-392	58.5	-126
17 1945 Federal Report Surplus Deficit	140	-667	-457	189	40.1	-632	-1694	-840	-477	-698	-1241	3443	3798	-295	153
18 1946 Federal Report Surplus Deficit	480	-470	-695	20.5	335	1.95	857	480	2412	3097	4907	4573	3126	2770	1492
19 1947 Federal Report Surplus Deficit	1552	1037	-37.5	5.91	742	2246	3128	2846	2794	2168	2515	4311	3595	2188	2121
20 1948 Federal Report Surplus Deficit	1406	657	-185	2011	1996	891	2823	1940	1674	1515	3827	5231	5280	3345	2393
21 1949 Federal Report Surplus Deficit	2618	1852	260	241	568	-209	814	25.5	3106	2007	4523	4891	3874	-203	1575
22 1950 Federal Report Surplus Deficit	-366	-848	-692	101	-87.4	-168	2705	2616	3707	3266	3426	4218	5305	4253	2055
23 1951 Federal Report Surplus Deficit	1860	1062	-2.20	880	2281	2324	4403	4311	4320	3622	3912	4422	3662	3371	2930
24 1952 Federal Report Surplus Deficit	1674	573	-159	1584	1384	1000	2583	2255	1967	3434	5181	5237	3873	2019	2262
25 1953 Federal Report Surplus Deficit	1383	510	-620	-37.7	102	-664	-370	1824	1594	338	1715	3954	5417	2551	1304
26 1954 Federal Report Surplus Deficit	856	386	-97.4	186	854	445	1944	3187	2850	1707	2632	4209	4876	4329	2126
27 1955 Federal Report Surplus Deficit	3094	2752	1726	293	1423	412	-215	198	-144	15.4	1221	3080	5261	4255	1654
28 1956 Federal Report Surplus Deficit	2464	1000	-310	440	1892	2303	3948	4169	3719	3041	5202	5233	5264	3519	2997
29 1957 Federal Report Surplus Deficit	1976	1402	-57.6	398	523	611	1005	-146	2421	3069	2482	5431	5468	1703	1824
30 1958 Federal Report Surplus Deficit	918	-167	-241	67.4	354	-215	1343	1244	1939	1289	3534	5079	4662	1034	1501
31 1959 Federal Report Surplus Deficit	791	-243	-376	119	1245	1766	3487	3512	3126	2579	2279	3991	4931	4049	2375
32 1960 Federal Report Surplus Deficit	2469	1183	1962	2690	2763	1573	1893	1637	1646	4886	3528	3223	4362	1970	2473
33 1961 Federal Report Surplus Deficit	1015	-88.1	-418	224	534	-61.9	1526	1982	3491	1945	1890	4491	5119	1631	1738
34 1962 Federal Report Surplus Deficit	949	173	-371	-28.5	439	-316	1157	1476	213	3444	5046	4156	3224	1367	1336
35 1963 Federal Report Surplus Deficit	836	372	-547	519	1495	1450	2010	1481	1410	240	1531	3360	3591	1705	1498
36 1964 Federal Report Surplus Deficit	905	7.00	32.9	37.6	339	-108	169	394	310	2206	1318	3629	5064	4129	1350
37 1965 Federal Report Surplus Deficit	2236	1537	518	798	1167	2499	5101	4739	3815	1432	4935	4802	4160	1781	2866
38 1966 Federal Report Surplus Deficit	1881	1462	-459	356	693	166	841	950	488	3509	2431	2490	3060	2132	1278
39 1967 Federal Report Surplus Deficit	983	36.9	-281	-35.7	293	278	3211	3081	2728	1015	75.1	3062	5014	3781	1846
40 1968 Federal Report Surplus Deficit	1486	957	-49.0	233	928	187	1582	2431	2240	-89.1	952	2080	4216	2592	1503
41 1969 Federal Report Surplus Deficit	1659	1557	960	902	1957	1027	4388	3154	2643	3323	4874	5069	4238	2286	2690
42 1970 Federal Report Surplus Deficit	1188	399	-187	162	593	-492	1216	1216	1238	405	1296	3640	4698	898	1215
43 1971 Federal Report Surplus Deficit	548	-214	-413	5.07	302	-80.7	3967	4459	4374	3049	4048	5055	5156	3268	2475
44 1972 Federal Report Surplus Deficit	2239	2238	134	443	743	484	3497	4327	5182	4608	2962	5045	4998	4089	2911
45 1973 Federal Report Surplus Deficit	2779	2459	318	358	761	119	1120	-23.2	279	-912	579	2140	854	110	714
46 1974 Federal Report Surplus Deficit	203	-560	-468	90.8	316	1001	5248	5163	4879	3741	4775	4879	5413	4455	2913
47 1975 Federal Report Surplus Deficit	2477	2390	238	-47.9	250	-476	1792	1648	1855	328	1217	4207	5179	3943	1819
48 1976 Federal Report Surplus Deficit	1859	1507	311	1037	2212	3156	3721	3514	3587	3708	3986	5189	4297	3715	3023
49 1977 Federal Report Surplus Deficit	3257	3239	2393	444	389	-714	-610	-166	-323	-897	289	828	-696	-75.7	370
50 1978 Federal Report Surplus Deficit	151	-568	-849	-384	-163	782	1097	1457	940	3179	2518	4279	2855	2053	1224
51 1979 Federal Report Surplus Deficit	493	-162	929	466	621	-608	-258	25.2	1580	256	1707	3967	2396	-206	837
52 1980 Federal Report Surplus Deficit	-155	-469	-311	-84.9	207	-967	444	-384	206	698	3330	5099	4403	715	919
53 1981 Federal Report Surplus Deficit	84.7	-671	-140	129	436	1413	2828	2477	1882	-681	1500	3549	5333	3207	1767
54 1982 Federal Report Surplus Deficit	2372	1370	-66.6	134	927	169	2259	4850	4795	3246	3018	4630	5280	4426	2691

### Federal Report Surplus Deficit By Water Year

#### Operating Year 2024

2015 White Book Report Date: 6/30/2015 *Continued*

S129-WB-20151029-154000

Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55 1983 Federal Report Surplus Deficit	2145	2099	887	944	1026	655	2729	2963	4274	2358	2637	4146	4370	3089	2475
56 1984 Federal Report Surplus Deficit	2247	1793	233	264	2421	947	2151	2461	2555	3624	4589	4288	5160	3032	2464
57 1985 Federal Report Surplus Deficit	1642	307	232	320	1023	100	757	614	362	1637	3637	4302	2741	-863	1095
58 1986 Federal Report Surplus Deficit	-633	-949	-320	266	1412	281	1648	2907	4806	3754	4466	3312	3779	1254	1878
59 1987 Federal Report Surplus Deficit	439	-252	-471	-47.9	552	181	13.1	-598	1458	-357	1213	3105	2194	76.6	586
60 1988 Federal Report Surplus Deficit	-25.1	-819	-550	-6.08	21.4	-995	-1061	-1288	-288	-438	1103	1990	959	654	-51.4
61 1989 Federal Report Surplus Deficit	517	-264	-397	3.10	227	-245	-600	-1029	1024	1379	4339	3271	2409	464	678
62 1990 Federal Report Surplus Deficit	105	-592	-405	81.0	683	640	978	2871	2493	1177	4281	3232	4425	1673	1585
63 1991 Federal Report Surplus Deficit	1685	806	-341	-112	2197	1168	3024	2481	1983	2230	2141	3641	3980	3728	2096
64 1992 Federal Report Surplus Deficit	2209	1196	-363	-12.9	330	-903	-396	-349	1822	-991	400	1982	352	-43.2	324
65 1993 Federal Report Surplus Deficit	77.6	-575	-573	50.1	215	-534	-1901	-1448	398	479	1109	3747	2853	887	357
66 1994 Federal Report Surplus Deficit	655	-66.5	19.6	89.1	456	-329	-1592	-802	705	-567	987	2123	1971	441	300
67 1995 Federal Report Surplus Deficit	424	-478	-267	27.8	-235	-402	329	1008	924	1850	1643	3586	4476	1261	1030
68 1996 Federal Report Surplus Deficit	345	-159	68.1	804	3022	4448	4931	5198	5367	3301	5283	4644	4534	3942	3440
69 1997 Federal Report Surplus Deficit	2068	1340	-79.4	142	919	1112	5246	5117	4849	3657	5285	5054	5297	4188	3162
70 1998 Federal Report Surplus Deficit	2165	2238	876	2203	1829	82.6	675	1616	1149	147	2320	4991	5041	1913	1983
71 1999 Federal Report Surplus Deficit	1752	574	-252	44.2	281	587	3536	3670	4429	2217	3810	3835	4722	4024	2417
72 2000 Federal Report Surplus Deficit	2985	2320	322	254	2478	1484	1598	1862	1727	3210	4671	4286	1877	1678	2012
73 2001 Federal Report Surplus Deficit	1041	-531	-511	130	67.2	-693	-741	-437	-165	-661	400	1507	-1045	187	-129
74 2002 Federal Report Surplus Deficit	132	-680	-878	-541	-269	-467	-568	-441	58.2	1021	4023	3242	4964	3160	874
75 2003 Federal Report Surplus Deficit	7.38	-244	-313	91.5	408	-574	-1290	-219	2008	992	1981	3151	3878	291	731
76 2004 Federal Report Surplus Deficit	1.21	-608	-566	178	1160	-343	-151	-820	739	447	1448	2872	2302	472	543
77 2005 Federal Report Surplus Deficit	-237	-503	422	416	643	360	684	984	281	-407	1087	3266	2584	981	880
78 2006 Federal Report Surplus Deficit	389	-391	-324	-41.4	594	188	1740	1962	2311	3450	4680	4787	4906	1569	1805
79 2007 Federal Report Surplus Deficit	858	-668	-635	-57.2	504	286	1748	1399	2718	2562	2153	3729	2084	1898	1344
80 2008 Federal Report Surplus Deficit	276	-614	-776	99.3	894	-609	-150	45.0	457	593	240	4360	5335	2140	1003
<b>Ranked Averages</b>															
81 <b>Bottom 10 pct</b>	<b>391</b>	<b>-318</b>	<b>-374</b>	<b>38.6</b>	<b>152</b>	<b>-684</b>	<b>-1177</b>	<b>-725</b>	<b>-335</b>	<b>-529</b>	<b>299</b>	<b>1724</b>	<b>514</b>	<b>267</b>	<b>-54.8</b>
82 <b>Middle 80 pct</b>	<b>1067</b>	<b>383</b>	<b>-77.9</b>	<b>273</b>	<b>711</b>	<b>189</b>	<b>1147</b>	<b>1271</b>	<b>1797</b>	<b>1588</b>	<b>2634</b>	<b>3775</b>	<b>3798</b>	<b>1934</b>	<b>1469</b>
83 <b>Top 10 pct</b>	<b>1659</b>	<b>996</b>	<b>21.5</b>	<b>579</b>	<b>1569</b>	<b>2166</b>	<b>4512</b>	<b>4567</b>	<b>4465</b>	<b>3389</b>	<b>4543</b>	<b>4908</b>	<b>4703</b>	<b>3632</b>	<b>3030</b>

**Federal Report Surplus Deficit By Water Year**

**Operating Year 2025**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Federal Report Surplus Deficit	319	277	-271	-19.4	-33.2	-775	-854	-761	-334	-786	517	793	1029	-702	-145
2 1930 Federal Report Surplus Deficit	289	-241	-77.1	23.7	96.8	-772	-1968	-649	-441	169	1611	784	-834	398	-210
3 1931 Federal Report Surplus Deficit	642	-198	-295	27.0	197	-663	-1828	-1498	-732	-900	-1463	1604	-624	592	-338
4 1932 Federal Report Surplus Deficit	159	-651	-550	-86.3	-268	-730	-1635	-1820	908	3114	4264	4245	3792	1850	772
5 1933 Federal Report Surplus Deficit	393	813	4.86	159	149	-78.4	1843	1912	1661	850	1685	2697	4426	3823	1537
6 1934 Federal Report Surplus Deficit	2260	1292	-63.2	569	2605	3559	4514	3975	3798	4239	4352	3299	2602	760	2631
7 1935 Federal Report Surplus Deficit	138	-445	-544	111	-208	-828	1697	1486	1659	-383	1772	2094	1672	1938	799
8 1936 Federal Report Surplus Deficit	1627	15.2	-455	-88.0	-33.3	-781	-1688	-789	-238	220	3489	3906	3314	551	533
9 1937 Federal Report Surplus Deficit	283	-311	-424	-158	184	-704	-1764	-1121	-559	-499	-899	1520	456	-339	-298
10 1938 Federal Report Surplus Deficit	497	-171	-344	79.3	-347	-109	1300	1258	2195	2393	4782	3551	2627	1733	1306
11 1939 Federal Report Surplus Deficit	144	-436	-77.8	168	-135	-883	57.7	-126	49.9	978	2786	2671	325	300	342
12 1940 Federal Report Surplus Deficit	372	-349	-310	257	582	-377	-346	-631	3176	1314	2183	2406	404	75.0	591
13 1941 Federal Report Surplus Deficit	-28.5	-645	-349	-24.7	72.8	-560	-928	-785	9.96	-875	394	1746	444	602	-23.9
14 1942 Federal Report Surplus Deficit	192	-354	48.1	8.11	474	641	695	-449	1408	184	1890	1971	1959	2538	864
15 1943 Federal Report Surplus Deficit	1056	432	400	-111	-159	-577	2124	1803	1995	4380	4745	3144	4470	3798	1843
16 1944 Federal Report Surplus Deficit	781	103	-325	-25.5	155	-818	-790	-649	-610	-623	347	375	-1217	-78.0	-304
17 1945 Federal Report Surplus Deficit	170	-638	-425	129	-36.0	-717	-1780	-1071	-551	-761	-1305	2864	2973	-432	-22.9
18 1946 Federal Report Surplus Deficit	509	-440	-663	-39.6	259	-83.3	772	248	2339	3033	4844	3994	2301	2634	1317
19 1947 Federal Report Surplus Deficit	1581	1067	-5.94	-54.2	666	2161	3043	2614	2721	2104	2452	3732	2771	2051	1941
20 1948 Federal Report Surplus Deficit	1435	686	-153	1951	1920	806	2737	1708	1601	1452	3764	4652	4456	3208	2216
21 1949 Federal Report Surplus Deficit	2647	1881	292	181	492	-294	728	-206	3033	1943	4460	4312	3050	-340	1401
22 1950 Federal Report Surplus Deficit	-336	-819	-660	41.3	-163	-254	2619	2384	3634	3203	3362	3640	4481	4116	1875
23 1951 Federal Report Surplus Deficit	1890	1091	29.3	820	2204	2238	4317	4079	4248	3558	3849	3844	2837	3235	2748
24 1952 Federal Report Surplus Deficit	1703	602	-128	1524	1308	915	2498	2023	1893	3370	5118	4658	3048	1883	2084
25 1953 Federal Report Surplus Deficit	1412	539	-589	-97.8	25.5	-750	-456	1592	1521	274	1651	3374	4593	2414	1124
26 1954 Federal Report Surplus Deficit	886	416	-65.9	126	778	360	1859	2955	2777	1643	2568	3630	4052	4192	1945
27 1955 Federal Report Surplus Deficit	3124	2781	1757	233	1347	327	-301	-33.6	-217	-47.9	1157	2501	4436	4118	1479
28 1956 Federal Report Surplus Deficit	2494	1030	-279	380	1816	2217	3862	3937	3647	2977	5139	4655	4440	3382	2815
29 1957 Federal Report Surplus Deficit	2006	1431	-26.1	338	447	525	920	-377	2348	3006	2419	4853	4644	1567	1651
30 1958 Federal Report Surplus Deficit	947	-138	-209	7.28	278	-300	1258	1013	1866	1226	3471	4500	3837	898	1323
31 1959 Federal Report Surplus Deficit	821	-214	-345	58.4	1169	1681	3401	3280	3053	2516	2216	3412	4106	3912	2193
32 1960 Federal Report Surplus Deficit	2498	1212	1994	2630	2687	1488	1807	1405	1573	4823	3465	2643	3538	1834	2297
33 1961 Federal Report Surplus Deficit	1045	-58.7	-386	164	458	-147	1440	1751	3418	1881	1827	3912	4294	1494	1559
34 1962 Federal Report Surplus Deficit	978	202	-340	-88.6	363	-401	1071	1244	140	3380	4982	3578	2400	1231	1157
35 1963 Federal Report Surplus Deficit	866	402	-515	459	1419	1365	1924	1249	1337	177	1468	2781	2766	1568	1319
36 1964 Federal Report Surplus Deficit	935	36.4	64.4	-22.5	263	-193	83.3	162	237	2143	1255	3050	4240	3993	1174
37 1965 Federal Report Surplus Deficit	2265	1567	550	738	1091	2414	5015	4508	3741	1369	4872	4223	3335	1644	2682
38 1966 Federal Report Surplus Deficit	1910	1491	-427	296	617	81.0	755	719	415	3446	2368	1911	2236	1996	1100
39 1967 Federal Report Surplus Deficit	1013	66.3	-249	-95.8	216	193	3126	2849	2654	952	11.8	2484	4189	3644	1664
40 1968 Federal Report Surplus Deficit	1515	986	-17.5	173	852	102	1496	2199	2167	-153	889	1501	3392	2455	1322
41 1969 Federal Report Surplus Deficit	1689	1586	991	841	1881	942	4302	2922	2570	3260	4810	4490	3413	2150	2510
42 1970 Federal Report Surplus Deficit	1217	428	-156	102	517	-578	1131	984	1165	342	1233	3061	3873	762	1036
43 1971 Federal Report Surplus Deficit	577	-185	-381	-55.0	226	-166	3881	4227	4301	2985	3985	4477	4331	3131	2291
44 1972 Federal Report Surplus Deficit	2268	2268	166	383	667	399	3411	4095	5109	4544	2898	4467	4174	3952	2729
45 1973 Federal Report Surplus Deficit	2808	2488	350	297	685	33.6	1035	-255	206	-976	516	1561	29.5	-26.3	537
46 1974 Federal Report Surplus Deficit	232	-531	-436	30.6	240	916	5163	4931	4805	3678	4712	4300	4589	4318	2729
47 1975 Federal Report Surplus Deficit	2506	2419	269	-108	174	-561	1706	1416	1781	265	1153	3629	4354	3806	1641
48 1976 Federal Report Surplus Deficit	1888	1536	342	977	2136	3071	3636	3282	3515	3644	3923	4609	3472	3579	2843
49 1977 Federal Report Surplus Deficit	3286	3268	2425	384	313	-799	-696	-398	-396	-960	226	249	-1520	-212	193
50 1978 Federal Report Surplus Deficit	181	-538	-817	-444	-239	697	1012	1225	867	3116	2455	3700	2031	1916	1045
51 1979 Federal Report Surplus Deficit	522	-132	961	406	545	-693	-343	-207	1507	193	1644	3388	1571	-342	661
52 1980 Federal Report Surplus Deficit	-126	-440	-279	-145	131	-1052	358	-615	133	635	3268	4520	3579	579	744
53 1981 Federal Report Surplus Deficit	114	-642	-108	69.2	360	1328	2743	2246	1809	-744	1437	2971	4509	3070	1587
54 1982 Federal Report Surplus Deficit	2401	1400	-35.1	73.9	851	84.0	2173	4619	4722	3182	2954	4051	4455	4290	2507

### Federal Report Surplus Deficit By Water Year

#### Operating Year 2025

2015 White Book Report Date: 6/30/2015 *Continued*

S129-WB-20151029-154000

Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55 1983 Federal Report Surplus Deficit	2174	2128	918	884	950	570	2644	2732	4201	2294	2574	3568	3545	2953	2295
56 1984 Federal Report Surplus Deficit	2276	1822	265	204	2345	861	2065	2229	2481	3562	4526	3709	4336	2895	2285
57 1985 Federal Report Surplus Deficit	1671	336	263	260	946	15.0	671	382	289	1574	3574	3722	1917	-999	918
58 1986 Federal Report Surplus Deficit	-604	-920	-288	206	1336	195	1563	2675	4733	3691	4403	2733	2955	1118	1697
59 1987 Federal Report Surplus Deficit	468	-223	-440	-108	476	95.5	-72.6	-830	1385	-420	1150	2526	1370	-59.9	411
60 1988 Federal Report Surplus Deficit	4.25	-790	-518	-66.2	-54.7	-1081	-1147	-1519	-361	-501	1040	1412	134	518	-227
61 1989 Federal Report Surplus Deficit	546	-234	-365	-57.0	151	-330	-686	-1261	951	1316	4276	2693	1584	327	504
62 1990 Federal Report Surplus Deficit	134	-563	-373	20.9	607	555	893	2639	2419	1114	4218	2653	3601	1535	1403
63 1991 Federal Report Surplus Deficit	1715	835	-309	-172	2121	1083	2938	2249	1909	2166	2077	3063	3156	3592	1917
64 1992 Federal Report Surplus Deficit	2239	1226	-331	-73.1	254	-988	-482	-581	1749	-1055	336	1402	-472	-180	148
65 1993 Federal Report Surplus Deficit	107	-545	-541	-9.97	139	-619	-1987	-1680	325	415	1045	3168	2028	750	184
66 1994 Federal Report Surplus Deficit	684	-37.1	51.1	29.0	380	-414	-1677	-1034	632	-630	923	1544	1146	304	124
67 1995 Federal Report Surplus Deficit	453	-449	-235	-32.3	-311	-487	243	777	851	1786	1580	3007	3652	1124	852
68 1996 Federal Report Surplus Deficit	374	-129	99.6	744	2946	4363	4845	4967	5294	3238	5219	4065	3710	3805	3257
69 1997 Federal Report Surplus Deficit	2097	1369	-47.9	81.6	843	1027	5160	4886	4777	3593	5221	4475	4473	4051	2978
70 1998 Federal Report Surplus Deficit	2195	2267	907	2143	1753	-2.60	590	1384	1075	83.0	2257	4412	4217	1776	1806
71 1999 Federal Report Surplus Deficit	1781	603	-220	-16.0	205	502	3450	3439	4356	2154	3747	3256	3897	3887	2236
72 2000 Federal Report Surplus Deficit	3014	2350	353	194	2402	1399	1513	1630	1654	3147	4608	3707	1052	1542	1834
73 2001 Federal Report Surplus Deficit	1070	-502	-479	70.2	-8.82	-779	-826	-668	-238	-724	337	928	-1869	50.9	-306
74 2002 Federal Report Surplus Deficit	161	-651	-846	-601	-345	-553	-653	-672	-14.8	957	3960	2663	4139	3024	699
75 2003 Federal Report Surplus Deficit	36.8	-214	-281	31.3	332	-659	-1376	-451	1934	928	1917	2572	3053	154	555
76 2004 Federal Report Surplus Deficit	30.6	-579	-535	118	1084	-428	-237	-1052	666	384	1384	2293	1477	336	368
77 2005 Federal Report Surplus Deficit	-207	-474	453	356	567	274	598	752	208	-470	1023	2687	1760	844	702
78 2006 Federal Report Surplus Deficit	419	-362	-293	-102	518	103	1655	1730	2238	3387	4616	4208	4082	1432	1627
79 2007 Federal Report Surplus Deficit	887	-639	-604	-117	428	201	1662	1168	2645	2499	2090	3150	1259	1761	1166
80 2008 Federal Report Surplus Deficit	306	-585	-744	39.2	818	-694	-236	-187	384	529	177	3780	4510	2004	827

#### Ranked Averages

81 <b>Bottom 10 pct</b>	<b>420</b>	<b>-288</b>	<b>-342</b>	<b>-21.5</b>	<b>76.2</b>	<b>-769</b>	<b>-1263</b>	<b>-956</b>	<b>-408</b>	<b>-592</b>	<b>235</b>	<b>1145</b>	<b>-310</b>	<b>130</b>	<b>-231</b>
82 <b>Middle 80 pct</b>	<b>1096</b>	<b>412</b>	<b>-46.4</b>	<b>212</b>	<b>635</b>	<b>103</b>	<b>1062</b>	<b>1039</b>	<b>1724</b>	<b>1525</b>	<b>2571</b>	<b>3197</b>	<b>2973</b>	<b>1798</b>	<b>1291</b>
83 <b>Top 10 pct</b>	<b>1689</b>	<b>1025</b>	<b>53.0</b>	<b>519</b>	<b>1493</b>	<b>2081</b>	<b>4426</b>	<b>4336</b>	<b>4392</b>	<b>3325</b>	<b>4479</b>	<b>4330</b>	<b>3879</b>	<b>3496</b>	<b>2848</b>

**Federal Report Surplus Deficit By Water Year**

**Operating Year 2026**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Federal Report Surplus Deficit	232	235	-333	27.1	24.0	-711	-789	-701	-277	-739	564	1354	1836	-585	1.14
2 1930 Federal Report Surplus Deficit	202	-282	-139	70.2	154	-708	-1903	-590	-384	216	1657	1344	-27.2	516	-63.7
3 1931 Federal Report Surplus Deficit	555	-239	-356	73.5	255	-599	-1763	-1439	-675	-853	-1417	2164	183	710	-192
4 1932 Federal Report Surplus Deficit	72.2	-692	-612	-39.8	-211	-666	-1570	-1760	965	3161	4310	4806	4599	1967	919
5 1933 Federal Report Surplus Deficit	306	771	-56.7	206	206	-14.4	1908	1971	1719	897	1732	3257	5233	3940	1683
6 1934 Federal Report Surplus Deficit	2173	1251	-125	616	2662	3623	4579	4034	3855	4285	4399	3859	3408	877	2778
7 1935 Federal Report Surplus Deficit	51.0	-487	-605	158	-151	-764	1762	1546	1716	-337	1819	2654	2479	2055	945
8 1936 Federal Report Surplus Deficit	1540	-26.2	-516	-41.5	23.9	-717	-1623	-729	-181	266	3535	4466	4120	668	679
9 1937 Federal Report Surplus Deficit	196	-352	-486	-111	242	-640	-1699	-1061	-502	-453	-853	2080	1263	-222	-152
10 1938 Federal Report Surplus Deficit	410	-212	-406	126	-290	-45.4	1365	1318	2252	2439	4828	4111	3434	1850	1452
11 1939 Federal Report Surplus Deficit	56.8	-478	-139	214	-78.2	-819	123	-66.0	107	1025	2832	3231	1132	418	488
12 1940 Federal Report Surplus Deficit	285	-391	-372	303	639	-313	-281	-572	3233	1361	2229	2966	1210	192	738
13 1941 Federal Report Surplus Deficit	-115	-686	-410	21.8	130	-496	-863	-726	67.2	-829	441	2306	1251	719	122
14 1942 Federal Report Surplus Deficit	106	-396	-13.5	54.6	531	705	760	-390	1465	230	1936	2531	2766	2656	1010
15 1943 Federal Report Surplus Deficit	969	391	339	-64.9	-102	-513	2189	1863	2052	4425	4791	3704	5277	3916	1990
16 1944 Federal Report Surplus Deficit	694	61.4	-386	21.0	212	-754	-725	-589	-553	-576	393	935	-410	39.3	-157
17 1945 Federal Report Surplus Deficit	82.8	-679	-487	175	21.3	-653	-1715	-1012	-493	-715	-1258	3424	3780	-315	123
18 1946 Federal Report Surplus Deficit	422	-482	-725	6.88	316	-19.3	837	308	2396	3080	4891	4554	3108	2751	1463
19 1947 Federal Report Surplus Deficit	1494	1025	-67.5	-7.70	723	2225	3108	2674	2778	2151	2498	4292	3578	2169	2087
20 1948 Federal Report Surplus Deficit	1348	645	-215	1997	1977	870	2802	1767	1658	1498	3811	5212	5263	3326	2362
21 1949 Federal Report Surplus Deficit	2560	1840	230	228	550	-230	793	-147	3090	1990	4506	4872	3856	-222	1547
22 1950 Federal Report Surplus Deficit	-423	-860	-722	87.8	-106	-190	2684	2444	3692	3249	3409	4200	5287	4234	2021
23 1951 Federal Report Surplus Deficit	1803	1050	-32.3	867	2262	2302	4382	4139	4304	3605	3895	4404	3644	3352	2894
24 1952 Federal Report Surplus Deficit	1616	561	-189	1571	1365	979	2563	2083	1951	3417	5164	5218	3855	2000	2230
25 1953 Federal Report Surplus Deficit	1325	498	-650	-51.3	82.7	-686	-391	1652	1578	321	1698	3935	5399	2532	1270
26 1954 Federal Report Surplus Deficit	799	374	-127	172	835	424	1924	3015	2834	1690	2615	4190	4858	4310	2091
27 1955 Federal Report Surplus Deficit	3037	2740	1696	279	1404	391	-236	25.9	-159	-1.53	1204	3061	5243	4236	1625
28 1956 Federal Report Surplus Deficit	2407	988	-340	426	1874	2281	3927	3996	3703	3024	5186	5214	5246	3500	2961
29 1957 Federal Report Surplus Deficit	1919	1390	-87.6	385	504	589	985	-318	2405	3052	2465	5413	5450	1684	1798
30 1958 Federal Report Surplus Deficit	860	-179	-271	53.8	335	-236	1323	1072	1923	1272	3518	5061	4644	1015	1470
31 1959 Federal Report Surplus Deficit	734	-255	-406	105	1226	1745	3466	3339	3110	2563	2263	3972	4913	4030	2340
32 1960 Federal Report Surplus Deficit	2411	1171	1932	2677	2745	1552	1872	1464	1630	4869	3511	3204	4344	1951	2443
33 1961 Federal Report Surplus Deficit	958	-100	-448	210	515	-83.1	1505	1810	3475	1928	1873	4472	5101	1612	1705
34 1962 Federal Report Surplus Deficit	891	161	-401	-42.1	420	-337	1136	1304	197	3427	5029	4138	3206	1348	1303
35 1963 Federal Report Surplus Deficit	779	360	-577	505	1476	1429	1989	1309	1394	223	1514	3341	3573	1686	1466
36 1964 Federal Report Surplus Deficit	848	-5.00	2.85	24.0	320	-129	148	221	294	2189	1301	3610	5047	4110	1321
37 1965 Federal Report Surplus Deficit	2178	1525	488	785	1148	2478	5080	4567	3799	1415	4918	4783	4142	1761	2829
38 1966 Federal Report Surplus Deficit	1823	1450	-489	342	674	145	820	778	472	3492	2414	2471	3042	2113	1247
39 1967 Federal Report Surplus Deficit	926	24.9	-311	-49.3	274	257	3191	2909	2712	998	58.2	3044	4996	3762	1810
40 1968 Federal Report Surplus Deficit	1428	945	-79.1	219	910	166	1561	2259	2224	-106	935	2061	4199	2573	1468
41 1969 Federal Report Surplus Deficit	1602	1545	930	888	1938	1006	4367	2982	2627	3306	4857	5050	4220	2267	2657
42 1970 Federal Report Surplus Deficit	1130	387	-217	148	574	-514	1196	1043	1222	389	1279	3621	4680	879	1183
43 1971 Federal Report Surplus Deficit	490	-226	-443	-8.53	283	-102	3946	4287	4358	3032	4031	5037	5138	3248	2438
44 1972 Federal Report Surplus Deficit	2182	2226	104	429	724	463	3476	4155	5166	4591	2945	5027	4980	4070	2875
45 1973 Federal Report Surplus Deficit	2722	2447	288	344	742	97.7	1100	-195	263	-929	563	2121	836	91.0	684
46 1974 Federal Report Surplus Deficit	145	-572	-498	77.2	297	980	5228	4991	4863	3724	4758	4860	5396	4435	2875
47 1975 Federal Report Surplus Deficit	2419	2378	208	-61.5	231	-497	1771	1475	1839	311	1200	4189	5161	3924	1787
48 1976 Federal Report Surplus Deficit	1801	1495	281	1024	2193	3135	3701	3341	3571	3691	3969	5170	4279	3696	2989
49 1977 Federal Report Surplus Deficit	3199	3227	2363	430	370	-735	-631	-338	-339	-914	273	809	-714	-94.9	339
50 1978 Federal Report Surplus Deficit	93.9	-580	-879	-398	-182	761	1077	1285	924	3162	2501	4260	2837	2034	1191
51 1979 Federal Report Surplus Deficit	436	-174	899	452	602	-629	-278	-147	1564	239	1690	3948	2378	-225	807
52 1980 Federal Report Surplus Deficit	-213	-481	-341	-98.5	188	-988	423	-556	190	681	3313	5080	4385	696	890
53 1981 Federal Report Surplus Deficit	27.1	-683	-170	116	418	1392	2808	2305	1866	-698	1483	3531	5316	3188	1733
54 1982 Federal Report Surplus Deficit	2314	1358	-96.7	120	908	148	2238	4678	4779	3229	3001	4611	5262	4407	2653

### Federal Report Surplus Deficit By Water Year

#### Operating Year 2026

2015 White Book Report Date: 6/30/2015 *Continued*

S129-WB-20151029-154000

Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55 1983 Federal Report Surplus Deficit	2087	2087	856	930	1008	634	2709	2791	4258	2341	2620	4128	4352	3070	2442
56 1984 Federal Report Surplus Deficit	2189	1781	203	251	2402	925	2130	2289	2539	3608	4573	4269	5142	3013	2431
57 1985 Federal Report Surplus Deficit	1584	295	202	307	1004	79.0	736	442	346	1620	3621	4283	2724	-882	1064
58 1986 Federal Report Surplus Deficit	-691	-961	-350	252	1393	259	1628	2735	4791	3737	4449	3293	3761	1235	1843
59 1987 Federal Report Surplus Deficit	381	-264	-501	-61.5	533	159	-7.57	-770	1442	-374	1196	3086	2176	57.4	557
60 1988 Federal Report Surplus Deficit	-82.7	-831	-580	-19.7	2.56	-1017	-1082	-1460	-304	-455	1086	1972	941	635	-80.3
61 1989 Federal Report Surplus Deficit	459	-276	-427	-10.5	208	-266	-621	-1201	1008	1363	4322	3253	2391	445	650
62 1990 Federal Report Surplus Deficit	47.5	-604	-435	67.4	664	619	958	2699	2477	1160	4264	3213	4407	1653	1550
63 1991 Federal Report Surplus Deficit	1628	794	-371	-125	2178	1147	3003	2309	1967	2213	2124	3623	3963	3709	2063
64 1992 Federal Report Surplus Deficit	2152	1184	-393	-26.6	311	-924	-417	-521	1806	-1008	383	1963	334	-62.4	294
65 1993 Federal Report Surplus Deficit	20.0	-587	-603	36.5	197	-555	-1922	-1620	383	462	1092	3728	2835	867	330
66 1994 Federal Report Surplus Deficit	597	-78.5	-10.4	75.5	437	-350	-1612	-974	689	-584	970	2104	1953	421	271
67 1995 Federal Report Surplus Deficit	366	-490	-297	14.2	-254	-423	308	836	908	1833	1627	3567	4458	1242	998
68 1996 Federal Report Surplus Deficit	287	-171	38.0	790	3003	4427	4910	5026	5351	3284	5266	4625	4517	3923	3403
69 1997 Federal Report Surplus Deficit	2010	1328	-110	128	900	1091	5225	4945	4834	3640	5268	5035	5279	4169	3124
70 1998 Federal Report Surplus Deficit	2108	2226	846	2190	1810	61.4	655	1443	1133	130	2303	4972	5023	1894	1952
71 1999 Federal Report Surplus Deficit	1694	562	-282	30.6	263	566	3515	3498	4413	2200	3794	3816	4704	4005	2382
72 2000 Federal Report Surplus Deficit	2927	2308	292	240	2459	1463	1578	1690	1711	3193	4655	4267	1860	1659	1980
73 2001 Federal Report Surplus Deficit	983	-543	-541	117	48.4	-715	-761	-609	-181	-678	383	1488	-1062	168	-160
74 2002 Federal Report Surplus Deficit	74.2	-692	-908	-554	-287	-489	-588	-613	42.4	1004	4006	3223	4946	3141	845
75 2003 Federal Report Surplus Deficit	-50.2	-256	-343	77.9	389	-595	-1311	-391	1992	975	1964	3132	3860	271	701
76 2004 Federal Report Surplus Deficit	-56.3	-620	-596	164	1141	-364	-172	-992	723	430	1431	2853	2284	453	514
77 2005 Federal Report Surplus Deficit	-294	-515	392	403	624	338	663	811	265	-424	1070	3247	2566	962	848
78 2006 Federal Report Surplus Deficit	332	-403	-354	-55.0	575	167	1720	1790	2295	3433	4663	4768	4888	1550	1773
79 2007 Federal Report Surplus Deficit	800	-680	-665	-70.8	485	265	1727	1227	2702	2545	2136	3710	2066	1879	1312
80 2008 Federal Report Surplus Deficit	219	-626	-806	85.7	875	-630	-171	-127	441	576	223	4341	5317	2121	973
<b>Ranked Averages</b>															
81 <b>Bottom 10 pct</b>	<b>333</b>	<b>-330</b>	<b>-404</b>	<b>25.0</b>	<b>133</b>	<b>-705</b>	<b>-1198</b>	<b>-897</b>	<b>-351</b>	<b>-546</b>	<b>282</b>	<b>1705</b>	<b>497</b>	<b>247</b>	<b>-85.2</b>
82 <b>Middle 80 pct</b>	<b>1009</b>	<b>371</b>	<b>-108</b>	<b>259</b>	<b>692</b>	<b>167</b>	<b>1127</b>	<b>1099</b>	<b>1781</b>	<b>1572</b>	<b>2617</b>	<b>3757</b>	<b>3780</b>	<b>1915</b>	<b>1438</b>
83 <b>Top 10 pct</b>	<b>1602</b>	<b>984</b>	<b>-8.60</b>	<b>566</b>	<b>1550</b>	<b>2145</b>	<b>4491</b>	<b>4395</b>	<b>4449</b>	<b>3372</b>	<b>4526</b>	<b>4890</b>	<b>4685</b>	<b>3613</b>	<b>2994</b>

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***Exhibit 36***  
***Regional Report Surplus Deficit By Water Year***  
***80 Water Year Regional Surplus/Deficit***

***Annual Energy***  
***Operating Year 2017 to 2026***  
***Using 1937-Water Conditions***

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**Regional Report Surplus Deficit By Water Year**

**Operating Year 2017**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Regional Report Surplus Deficit	5307	4979	4637	6846	6340	4708	2720	3224	4155	4007	5642	5193	6923	3633	4866
2 1930 Regional Report Surplus Deficit	4318	3754	4712	6255	5855	4413	876	3993	3940	5236	7077	4859	3142	5339	4463
3 1931 Regional Report Surplus Deficit	4881	3737	4367	6294	6165	4392	1346	1819	3491	3430	1425	6732	3158	5294	4169
4 1932 Regional Report Surplus Deficit	3864	2661	3895	6177	5439	4415	1950	1729	6972	11385	12322	11681	12623	8848	6588
5 1933 Regional Report Surplus Deficit	5260	5816	5031	6683	7345	5772	8144	8732	8959	7052	7151	8697	14733	13445	8344
6 1934 Regional Report Surplus Deficit	8734	7215	5437	8506	12205	13004	13676	12685	12621	14041	11789	10169	9789	6132	10409
7 1935 Regional Report Surplus Deficit	4004	3380	3900	6666	6981	4397	8342	8375	8256	4305	6937	7830	8922	8886	6814
8 1936 Regional Report Surplus Deficit	6931	4422	4206	6157	5806	4340	1324	3328	4585	5809	10302	11532	12155	6290	6125
9 1937 Regional Report Surplus Deficit	4372	3639	4089	5934	5885	4567	1120	2243	3722	5166	2264	6558	6668	4145	4397
10 1938 Regional Report Surplus Deficit	5245	4043	4376	6547	6145	5780	7671	7621	9174	10032	13644	11651	10156	8582	7845
11 1939 Regional Report Surplus Deficit	4634	3634	4862	6664	5803	4593	5158	4738	5335	7636	9580	8594	5769	5483	5814
12 1940 Regional Report Surplus Deficit	4548	3574	4382	6782	6931	4927	4241	4263	11325	7530	7729	7997	5341	4574	6050
13 1941 Regional Report Surplus Deficit	3331	2769	4172	6202	6008	4295	2887	3663	4722	3639	4441	6577	5367	5438	4707
14 1942 Regional Report Surplus Deficit	3767	3258	4909	6480	7076	6952	5998	4360	7537	5476	7995	7210	8788	10014	6646
15 1943 Regional Report Surplus Deficit	5875	5151	5787	6174	6273	5001	9031	8845	9097	15272	13905	10175	14674	13566	9047
16 1944 Regional Report Surplus Deficit	6025	5089	4706	6581	6451	4916	2894	3809	3576	4042	5280	3817	2236	4388	4470
17 1945 Regional Report Surplus Deficit	3773	2802	4042	6261	5650	4326	1884	3185	3934	4019	1924	9040	10829	4103	4963
18 1946 Regional Report Surplus Deficit	5011	3421	3800	6480	7110	5951	7148	5917	9794	11446	13777	12203	10245	10704	8025
19 1947 Regional Report Surplus Deficit	7072	6605	5255	6517	7979	10561	10375	10703	10720	9927	9510	10750	10648	9162	9096
20 1948 Regional Report Surplus Deficit	6747	6401	4909	11120	10633	7509	9957	8074	8295	8360	11244	13254	14963	11767	9748
21 1949 Regional Report Surplus Deficit	9407	8509	6023	7141	7570	5031	6105	4908	11041	9501	13003	12707	11811	5072	8149
22 1950 Regional Report Surplus Deficit	3841	3054	4023	6684	6751	5467	10262	10358	12637	12483	11615	10872	15071	14584	9339
23 1951 Regional Report Surplus Deficit	8480	7432	5609	9014	11851	11468	13053	13858	13770	13313	12605	12147	11060	12122	11225
24 1952 Regional Report Surplus Deficit	7637	6056	5437	10449	9445	7965	9611	9604	9159	11932	14265	13489	11818	8955	9652
25 1953 Regional Report Surplus Deficit	6728	6149	4105	6251	5949	4703	4690	8727	8198	6371	7262	10820	15078	10623	7687
26 1954 Regional Report Surplus Deficit	6119	5630	5213	7052	8342	7086	9268	11351	11017	9265	9520	11127	13524	14605	9475
27 1955 Regional Report Surplus Deficit	10438	10348	9137	7358	9715	6532	4644	5528	4666	5871	5693	7939	14717	14128	8386
28 1956 Regional Report Surplus Deficit	9145	6722	4859	8334	10958	10892	12423	12570	12712	12171	14250	13278	15134	12543	11225
29 1957 Regional Report Surplus Deficit	8251	7662	5475	7800	7669	7407	6997	5225	10050	11502	8956	13833	14905	8237	8835
30 1958 Regional Report Surplus Deficit	6281	4321	4722	6525	6600	5369	7922	8057	8958	8255	10749	12849	12937	7065	7975
31 1959 Regional Report Surplus Deficit	4659	4316	4479	6792	9281	9637	11334	11433	11070	11057	9186	10388	13322	13159	9613
32 1960 Regional Report Surplus Deficit	8794	7015	9810	12865	12531	8851	8061	8312	8678	15711	11341	8849	11908	8850	10003
33 1961 Regional Report Surplus Deficit	6245	5057	4531	6838	7764	5531	8160	9352	11648	9243	7347	10941	13481	7921	8330
34 1962 Regional Report Surplus Deficit	6225	4531	4413	6412	6904	5024	7291	7346	5312	12499	13754	10724	9822	7549	7428
35 1963 Regional Report Surplus Deficit	5979	5441	4402	7673	9767	8874	8432	8724	7867	5769	6740	8998	10900	8237	7982
36 1964 Regional Report Surplus Deficit	5691	4522	5423	6586	7312	5464	5672	5829	5741	9842	6516	9609	15271	13793	7834
37 1965 Regional Report Surplus Deficit	8780	7839	6649	8230	8640	11157	13982	13659	12663	8851	13903	12344	12126	8744	10641
38 1966 Regional Report Surplus Deficit	8051	7746	4806	7353	7776	5900	6664	6593	6313	12840	8942	7397	9633	9004	7518
39 1967 Regional Report Surplus Deficit	5792	4748	4813	6308	6881	6686	10916	11305	10357	7628	4727	8864	14850	12560	8732
40 1968 Regional Report Surplus Deficit	7098	6498	5266	7521	8476	6157	8426	10137	10106	5030	5255	6545	12618	10153	8097
41 1969 Regional Report Surplus Deficit	7294	7950	7696	8877	10692	8040	12535	10794	10051	13344	13731	13281	12294	9463	10398
42 1970 Regional Report Surplus Deficit	6795	5476	4999	6872	7273	4763	7683	7590	7582	5986	5911	9694	13453	6743	7385
43 1971 Regional Report Surplus Deficit	5693	4232	4483	6432	6815	5756	12494	13719	13945	11996	12463	13093	15388	12682	10139
44 1972 Regional Report Surplus Deficit	9060	9106	5821	7748	8111	6778	11965	13642	16858	16163	11146	13008	15326	13921	11313
45 1973 Regional Report Surplus Deficit	10012	9676	6387	7569	7797	6512	7288	4954	5470	4038	4854	6379	4996	4892	6394
46 1974 Regional Report Surplus Deficit	4270	3218	4383	6542	7353	8099	15138	14713	15157	13880	13741	12365	15334	15013	10946
47 1975 Regional Report Surplus Deficit	9527	9535	6042	6540	6825	5623	8532	8299	8647	6562	6531	11203	14561	13508	8829
48 1976 Regional Report Surplus Deficit	8044	8100	6249	9116	11409	12836	12186	11757	12019	12975	12318	12931	12333	12977	11213
49 1977 Regional Report Surplus Deficit	10938	11301	10416	7371	6691	4681	3213	4034	4094	4353	4596	4075	1161	3695	5428
50 1978 Regional Report Surplus Deficit	3685	2919	3069	5714	5465	7466	6809	7262	6952	12166	9413	11157	9055	9169	7183
51 1979 Regional Report Surplus Deficit	5628	4749	7570	7340	7193	4374	3892	5182	8504	5337	6921	9925	8277	4335	6493
52 1980 Regional Report Surplus Deficit	3518	3516	4617	6200	5996	4282	5524	4600	5625	7021	10829	13153	12566	6632	6808
53 1981 Regional Report Surplus Deficit	4226	3256	5054	6525	7196	9468	10288	10234	8713	3970	6628	9183	13878	11130	8382
54 1982 Regional Report Surplus Deficit	8367	7053	5207	6889	8114	6269	9081	14105	14798	12001	10198	12153	14653	14202	10330

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2017**

**2015 White Book** Report Date: **6/30/2015** *Continued*

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Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55 1983 Regional Report Surplus Deficit	8509	8695	7251	8548	8394	7476	10838	11396	13800	10144	9460	11098	12786	11640	10131
56 1984 Regional Report Surplus Deficit	8862	8373	5928	7213	11789	7774	9897	10050	9985	12197	12585	10802	14263	11133	9974
57 1985 Regional Report Surplus Deficit	7642	5482	6064	7342	8841	5782	6168	5976	5956	8618	11277	11291	9201	2936	7165
58 1986 Regional Report Surplus Deficit	2837	2573	4839	7383	9725	5961	8532	10562	15100	13335	13021	9213	10837	7047	8731
59 1987 Regional Report Surplus Deficit	5126	4105	4482	6485	7552	6035	4921	4074	8504	5084	7132	8974	7459	4464	6152
60 1988 Regional Report Surplus Deficit	3592	2592	4090	6058	5581	4040	2761	1821	4277	4547	6292	6017	5225	5425	4498
61 1989 Regional Report Surplus Deficit	4750	3754	4083	6165	6919	4839	3785	2559	6895	8061	12561	9033	8546	5784	6110
62 1990 Regional Report Surplus Deficit	4296	3540	4407	6339	8179	7305	7634	10527	9933	8063	11307	8849	12420	8543	8118
63 1991 Regional Report Surplus Deficit	7303	6219	4706	6366	11605	7974	10163	9917	9304	10241	8260	9597	11473	12848	9155
64 1992 Regional Report Surplus Deficit	8502	7082	4567	6116	6665	4158	3776	4138	8351	4369	4768	5977	3296	3745	5275
65 1993 Regional Report Surplus Deficit	3478	2734	3701	6099	6222	3871	1374	1504	5715	6378	5967	9822	9051	6520	5282
66 1994 Regional Report Surplus Deficit	5771	4367	5041	6322	6406	4554	2022	2831	4138	4710	6944	8055	7924	5021	5275
67 1995 Regional Report Surplus Deficit	4303	3012	4397	6184	5493	5089	5468	7310	9536	6701	5892	8917	12671	7509	6868
68 1996 Regional Report Surplus Deficit	5256	4421	5232	8066	13292	14916	14468	15613	16174	13066	14620	12438	12858	12704	12014
69 1997 Regional Report Surplus Deficit	8219	7309	5325	6849	8346	8132	14920	14743	15406	13853	14571	13246	15222	14001	11493
70 1998 Regional Report Surplus Deficit	8842	9218	7697	11860	10469	6224	6923	8384	7828	6130	8539	13078	14073	8835	9313
71 1999 Regional Report Surplus Deficit	7337	6093	4865	6464	6925	7392	11868	12153	13861	10513	12067	10556	14360	13928	10019
72 2000 Regional Report Surplus Deficit	10504	9510	6093	6978	11949	9060	8190	8208	8464	11846	13409	10978	7634	7948	9011
73 2001 Regional Report Surplus Deficit	6033	3788	4258	6509	5829	4478	2516	3260	4084	4762	4823	5464	786	4363	4280
74 2002 Regional Report Surplus Deficit	3602	2603	3665	4818	4786	4926	3540	3881	5216	7100	11387	8645	13623	11409	6408
75 2003 Regional Report Surplus Deficit	4637	4118	4356	6160	6319	4582	2310	4049	8560	6682	7498	8076	10473	5110	5958
76 2004 Regional Report Surplus Deficit	3714	2897	3878	6861	8227	4697	4574	3115	6223	5678	6573	7561	7861	5604	5680
77 2005 Regional Report Surplus Deficit	3363	3802	6190	7130	7432	6185	6253	6450	5170	4263	5723	8159	8359	6181	6336
78 2006 Regional Report Surplus Deficit	4683	3423	4253	6154	7037	5719	9064	8731	9461	11819	13183	12098	13540	7794	8352
79 2007 Regional Report Surplus Deficit	5922	3076	3867	5932	8043	6324	8166	7673	10972	10929	8256	9497	7911	8054	7541
80 2008 Regional Report Surplus Deficit	4597	3121	4207	6217	6910	4122	4521	4494	5723	6197	4051	10887	15090	9751	6747
<b>Ranked Averages</b>															
81 <b>Bottom 10 pct</b>	<b>4732</b>	<b>3793</b>	<b>4379</b>	<b>6335</b>	<b>6014</b>	<b>4476</b>	<b>2140</b>	<b>2979</b>	<b>3996</b>	<b>4354</b>	<b>4655</b>	<b>5652</b>	<b>4188</b>	<b>4753</b>	<b>4481</b>
82 <b>Middle 80 pct</b>	<b>6203</b>	<b>5335</b>	<b>5171</b>	<b>7036</b>	<b>7751</b>	<b>6195</b>	<b>7136</b>	<b>7408</b>	<b>8633</b>	<b>8639</b>	<b>9135</b>	<b>10019</b>	<b>11319</b>	<b>8817</b>	<b>7843</b>
83 <b>Top 10 pct</b>	<b>7657</b>	<b>6768</b>	<b>5516</b>	<b>7987</b>	<b>9995</b>	<b>10535</b>	<b>13517</b>	<b>13819</b>	<b>14345</b>	<b>13034</b>	<b>13394</b>	<b>12720</b>	<b>13674</b>	<b>12753</b>	<b>11259</b>

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2018**

**2015 White Book Report Date: 6/30/2015**

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Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Regional Report Surplus Deficit	4972	4644	4397	6586	6086	4372	2400	2934	4237	4839	6196	5531	7796	3435	4845
2 1930 Regional Report Surplus Deficit	3984	3424	4450	5995	5602	4078	556	3703	4022	6209	7839	5197	3910	5144	4446
3 1931 Regional Report Surplus Deficit	4550	3406	4107	6034	5911	4057	1026	1530	3573	3912	1604	6643	3853	5099	4066
4 1932 Regional Report Surplus Deficit	3530	2330	3632	5917	5186	4079	1630	1439	7043	12569	13193	12156	13593	8648	6611
5 1933 Regional Report Surplus Deficit	4925	5482	4773	6423	7092	5437	8044	8576	8936	8005	7892	9150	15408	13185	8342
6 1934 Regional Report Surplus Deficit	8399	6880	5195	8280	11919	12747	14011	12914	12717	15435	12701	10561	10607	5937	10529
7 1935 Regional Report Surplus Deficit	3669	3050	3637	6406	6727	4062	8096	8194	8338	5344	7698	8275	9744	8682	6827
8 1936 Regional Report Surplus Deficit	6596	4092	3942	5897	5552	4005	1004	3038	4667	6775	11119	11962	13019	6095	6126
9 1937 Regional Report Surplus Deficit	4038	3309	3827	5674	5632	4231	800	1953	3804	5682	2440	6455	7354	3949	4293
10 1938 Regional Report Surplus Deficit	4910	3713	4110	6287	5892	5445	7447	7403	9361	11129	14492	12074	10983	8375	7870
11 1939 Regional Report Surplus Deficit	4300	3304	4602	6404	5549	4258	4838	4741	5356	8052	10352	8972	6581	5287	5799
12 1940 Regional Report Surplus Deficit	4214	3244	4118	6522	6677	4592	3921	3973	11466	8617	8491	8398	6112	4416	6051
13 1941 Regional Report Surplus Deficit	3001	2438	3910	5942	5755	3960	2567	3374	4804	4142	4660	6490	6051	5236	4605
14 1942 Regional Report Surplus Deficit	3441	2928	4663	6204	6822	6617	5754	4070	7619	6308	8559	7567	9556	9803	6622
15 1943 Regional Report Surplus Deficit	5540	4821	5529	5914	6019	4666	8799	8832	9276	16618	14792	10554	15245	13426	9080
16 1944 Regional Report Surplus Deficit	5694	4754	4453	6321	6198	4581	2574	3519	3658	4874	5834	4161	3004	4200	4440
17 1945 Regional Report Surplus Deficit	3443	2472	3781	6001	5397	3991	1564	2895	4016	4851	2478	9397	11695	3902	4941
18 1946 Regional Report Surplus Deficit	4676	3091	3553	6220	6857	5616	6897	5724	9942	12583	14588	12928	11025	10504	8070
19 1947 Regional Report Surplus Deficit	6738	6274	5009	6257	7725	10296	10490	10699	10907	11001	10276	11160	11449	8957	9166
20 1948 Regional Report Surplus Deficit	6413	6070	4668	10936	10434	7174	9924	8356	8270	9332	12025	14026	15813	11554	9845
21 1949 Regional Report Surplus Deficit	9078	8175	5782	6881	7317	4696	5829	4749	11139	10549	13804	13123	12659	4874	8166
22 1950 Regional Report Surplus Deficit	3506	2724	3771	6424	6498	5131	10212	10293	12726	13523	12248	11516	15768	14350	9378
23 1951 Regional Report Surplus Deficit	8150	7102	5371	8797	11608	11146	13541	14050	13755	14582	13234	12578	11864	11911	11330
24 1952 Regional Report Surplus Deficit	7305	5725	5187	10262	9192	7630	9551	9232	9241	13142	15110	13908	12622	8747	9679
25 1953 Regional Report Surplus Deficit	6393	5814	3849	5991	5696	4368	4370	8621	8346	7202	7899	11294	15875	10310	7683
26 1954 Regional Report Surplus Deficit	5784	5295	4956	6792	8089	6751	9033	11260	11064	10349	10307	11545	14519	14411	9509
27 1955 Regional Report Surplus Deficit	10108	10017	8992	7098	9469	6196	4324	5239	4748	6782	6454	8376	15367	13791	8364
28 1956 Regional Report Surplus Deficit	8812	6387	4619	8073	10740	10570	12803	12464	12765	13377	15228	13955	16022	12340	11341
29 1957 Regional Report Surplus Deficit	7918	7327	5232	7554	7415	7072	6732	4936	10053	12683	9722	14117	15685	7884	8811
30 1958 Regional Report Surplus Deficit	5947	3991	4465	6265	6346	5034	7687	7788	9098	9245	11565	13382	13753	6865	7995
31 1959 Regional Report Surplus Deficit	5368	3832	4233	6532	9027	9342	11630	11480	11224	11935	9730	11100	14006	12922	9730
32 1960 Regional Report Surplus Deficit	8461	6681	9721	12680	12249	8605	8126	8283	8496	16998	12126	9267	12727	8646	10066
33 1961 Regional Report Surplus Deficit	5911	4722	4280	6578	7511	5196	7930	9184	11786	10337	8110	11674	14405	7709	8386
34 1962 Regional Report Surplus Deficit	5891	4201	4164	6152	6651	4688	7018	7307	5393	13676	14652	11203	10584	7345	7460
35 1963 Regional Report Surplus Deficit	5644	5110	4153	7421	9513	8530	8183	8513	7949	6779	7503	9470	11692	8030	7991
36 1964 Regional Report Surplus Deficit	5356	4192	5169	6326	7058	5129	5352	5539	5823	10921	7146	10080	16085	13549	7827
37 1965 Regional Report Surplus Deficit	8447	7504	6431	8013	8387	10850	14406	14032	12635	9721	14706	13150	12896	8536	10774
38 1966 Regional Report Surplus Deficit	7720	7417	4575	7093	7523	5565	6364	6304	6394	13949	9700	7787	10485	8798	7521
39 1967 Regional Report Surplus Deficit	5457	4417	4549	6048	6627	6351	11038	10945	10600	8608	5192	9310	15725	12351	8766
40 1968 Regional Report Surplus Deficit	6763	6163	5008	7261	8222	5822	8194	10068	10199	5995	6017	6951	13417	9945	8112
41 1969 Regional Report Surplus Deficit	6959	7622	7491	8661	10488	7705	13014	10859	10262	14233	14671	13608	13059	9247	10500
42 1970 Regional Report Surplus Deficit	6461	5146	4745	6612	7020	4427	7405	7342	7668	6963	6673	10186	14168	6539	7384
43 1971 Regional Report Surplus Deficit	5361	3897	4245	6172	6561	5420	12694	13944	14002	13090	13237	13664	16184	12427	10228
44 1972 Regional Report Surplus Deficit	8728	8771	5584	7488	7857	6443	11879	13776	16771	17523	11928	13628	15926	13718	11362
45 1973 Regional Report Surplus Deficit	9682	9343	6148	7309	7544	6177	7037	4664	5551	4869	5409	6721	5864	4697	6379
46 1974 Regional Report Surplus Deficit	3935	2888	4107	6281	7099	7747	15492	15562	15074	15077	14639	13248	16029	14649	11098
47 1975 Regional Report Surplus Deficit	9195	9200	5777	6280	6571	5287	8260	8217	8901	7399	7088	11759	15222	13392	8849
48 1976 Regional Report Surplus Deficit	7715	7770	5996	8900	11185	12579	12371	11730	12202	14189	12990	13406	13160	12724	11299
49 1977 Regional Report Surplus Deficit	10609	10971	10324	7112	6438	4346	2893	3744	4176	4889	4778	4038	1858	3531	5348
50 1978 Regional Report Surplus Deficit	3355	2588	2828	5454	5212	7102	6839	7190	6988	13137	10177	11901	9846	8965	7244
51 1979 Regional Report Surplus Deficit	5296	4415	7318	7099	6939	4039	3572	4892	8586	6298	7688	10393	9048	4135	6489
52 1980 Regional Report Surplus Deficit	3183	3186	4353	5940	5742	3947	5204	4326	5692	7853	11474	13512	13445	6427	6790
53 1981 Regional Report Surplus Deficit	3892	2926	4796	6265	6943	9104	10147	10001	8795	4795	7385	9653	14761	10787	8384
54 1982 Regional Report Surplus Deficit	8033	6719	4938	6629	7861	5934	8938	14473	14747	13173	10879	12616	15177	14147	10374

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2018**

**2015 White Book** Report Date: **6/30/2015** *Continued*

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Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55 1983 Regional Report Surplus Deficit	8178	8361	6995	8331	8140	7141	10732	11163	13656	11289	10270	11566	13606	11415	10144
56 1984 Regional Report Surplus Deficit	8530	8038	5670	6953	11535	7439	9715	9817	9964	13518	13421	11171	14983	10939	9980
57 1985 Regional Report Surplus Deficit	7308	5147	5803	7082	8588	5446	6021	5686	6038	9713	12094	11653	9968	2742	7171
58 1986 Regional Report Surplus Deficit	2502	2243	4631	7123	9471	5626	8292	10449	15061	14636	13851	9627	11788	6849	8766
59 1987 Regional Report Surplus Deficit	4792	3775	4213	6225	7298	5700	4601	3784	8586	5566	7278	8974	8178	4269	6056
60 1988 Regional Report Surplus Deficit	3258	2261	3800	5798	5328	3704	2441	1531	4359	5379	6846	6354	5993	5231	4464
61 1989 Regional Report Surplus Deficit	4416	3423	3805	5905	6665	4504	3465	2269	7053	9128	13386	9456	9319	5585	6112
62 1990 Regional Report Surplus Deficit	3965	3210	4145	6079	7926	6970	7472	10125	10053	8915	12713	9250	13262	8338	8141
63 1991 Regional Report Surplus Deficit	6968	5885	4413	6105	11393	7641	10297	9928	9239	11229	9002	10033	12314	12631	9201
64 1992 Regional Report Surplus Deficit	8168	6747	4275	5856	6411	3823	3456	3848	8433	4869	4934	5918	4049	3550	5176
65 1993 Regional Report Surplus Deficit	3143	2404	3469	5838	5968	3536	1054	1214	5797	7210	6683	10183	9894	6316	5267
66 1994 Regional Report Surplus Deficit	5441	4036	4794	6062	6152	4219	1702	2542	6447	5101	6917	6749	7788	4826	5178
67 1995 Regional Report Surplus Deficit	3969	2682	4134	5924	5239	4754	5148	7011	7419	9938	7382	10114	13599	7303	6872
68 1996 Regional Report Surplus Deficit	4912	4081	4973	7844	13001	14662	14835	15874	16227	14038	15640	12740	13581	12497	12104
69 1997 Regional Report Surplus Deficit	7885	6979	5070	6589	8093	7797	15119	15097	15232	15102	15538	13792	15847	13686	11564
70 1998 Regional Report Surplus Deficit	8512	8883	7474	11675	10237	5888	6608	8183	7910	6961	9272	13470	14957	8633	9321
71 1999 Regional Report Surplus Deficit	7002	5763	4615	6204	6672	7057	11995	12186	13923	11454	12842	10985	14988	13714	10058
72 2000 Regional Report Surplus Deficit	10171	9175	5841	6718	11699	8711	7968	8226	8492	13028	14265	11449	8405	7752	9045
73 2001 Regional Report Surplus Deficit	5698	3457	4016	6248	5575	4143	2196	2970	4165	5263	4999	5369	1474	4168	4178
74 2002 Regional Report Surplus Deficit	3268	2273	3399	4558	4532	4591	3220	3724	5363	8133	12203	9087	14417	11207	6422
75 2003 Regional Report Surplus Deficit	4303	3783	4108	5900	6065	4247	1990	3760	8786	7717	8264	8481	11291	4882	5964
76 2004 Regional Report Surplus Deficit	3380	2567	3625	6601	7973	4362	4254	2825	6305	6652	7338	8013	8631	5402	5673
77 2005 Regional Report Surplus Deficit	3029	3472	5982	6877	7178	5849	5957	6181	5242	5100	6432	8542	9205	5982	6329
78 2006 Regional Report Surplus Deficit	4348	3092	3987	5894	6784	5383	8789	8616	9629	13083	14014	12564	14367	7554	8385
79 2007 Regional Report Surplus Deficit	5587	2746	3610	5672	7790	5989	7983	7460	11022	11831	9022	9989	8682	7859	7550
80 2008 Regional Report Surplus Deficit	4263	2790	3937	5957	6657	3787	4201	4204	5896	7221	4605	11274	15965	9550	6743

**Ranked Averages**

81 <b>Bottom 10 pct</b>	<b>4399</b>	<b>3462</b>	<b>4120</b>	<b>6075</b>	<b>5761</b>	<b>4141</b>	<b>1820</b>	<b>2689</b>	<b>4078</b>	<b>5038</b>	<b>5052</b>	<b>5775</b>	<b>4930</b>	<b>4558</b>	<b>4417</b>
82 <b>Middle 80 pct</b>	<b>5886</b>	<b>5001</b>	<b>4925</b>	<b>6783</b>	<b>7499</b>	<b>5863</b>	<b>6952</b>	<b>7241</b>	<b>8717</b>	<b>9661</b>	<b>9869</b>	<b>10436</b>	<b>12101</b>	<b>8608</b>	<b>7857</b>
83 <b>Top 10 pct</b>	<b>7323</b>	<b>6435</b>	<b>5269</b>	<b>7748</b>	<b>9746</b>	<b>10224</b>	<b>13806</b>	<b>14073</b>	<b>14333</b>	<b>14201</b>	<b>14238</b>	<b>13312</b>	<b>14416</b>	<b>12507</b>	<b>11359</b>

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2019**

**2015 White Book Report Date: 6/30/2015**

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Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Regional Report Surplus Deficit	4537	4292	4110	6364	5806	4066	2068	2618	3890	3473	5389	4587	6651	3059	4343
2 1930 Regional Report Surplus Deficit	3555	3105	4163	5774	5322	3771	225	3388	3675	4844	7032	4253	2764	4772	3945
3 1931 Regional Report Surplus Deficit	4129	3087	3820	5813	5631	3750	694	1214	3225	2547	797	5700	2707	4729	3566
4 1932 Regional Report Surplus Deficit	3102	2011	3345	5696	4905	3773	1298	1123	6706	11206	12422	11246	12456	8270	6116
5 1933 Regional Report Surplus Deficit	4492	5132	4486	6202	6811	5130	8153	8156	8169	6640	7084	8204	14496	12948	7864
6 1934 Regional Report Surplus Deficit	7964	6527	4908	8059	11663	12529	13766	12610	12461	13988	12210	9647	9466	5564	10065
7 1935 Regional Report Surplus Deficit	3242	2731	3351	6185	6449	3755	7843	7856	7991	3979	6891	7340	8597	8307	6332
8 1936 Regional Report Surplus Deficit	6161	3772	3655	5675	5272	3698	673	2722	4320	5408	10333	10959	11894	5719	5622
9 1937 Regional Report Surplus Deficit	3610	2990	3540	5453	5352	3925	468	1637	3456	4317	1632	5511	6208	3574	3792
10 1938 Regional Report Surplus Deficit	4479	3394	3823	6065	5612	5138	7115	7084	9049	9784	13705	11188	9860	8003	7381
11 1939 Regional Report Surplus Deficit	3870	2985	4315	6183	5269	3951	4506	4425	5009	6766	9543	8031	5435	4911	5302
12 1940 Regional Report Surplus Deficit	3786	2925	3831	6301	6397	4285	3589	3657	11236	7251	7683	7451	4966	4045	5561
13 1941 Regional Report Surplus Deficit	2606	2106	3623	5720	5475	3653	2235	3058	4457	2777	3853	5547	4905	4864	4106
14 1942 Regional Report Surplus Deficit	3006	2600	4395	5983	6542	6311	5422	3755	7272	4942	7752	6622	8417	9429	6123
15 1943 Regional Report Surplus Deficit	5105	4498	5263	5693	5739	4359	8554	8500	9009	15260	14099	9641	14447	13106	8634
16 1944 Regional Report Surplus Deficit	5253	4398	4166	6100	5918	4275	2242	3204	3311	3508	5026	3215	1859	3824	3938
17 1945 Regional Report Surplus Deficit	3044	2153	3494	5780	5117	3685	1232	2579	3669	3486	1671	8455	10550	3476	4438
18 1946 Regional Report Surplus Deficit	4246	2771	3266	5998	6577	5310	6566	5408	9692	11318	13803	12066	9895	10122	7591
19 1947 Regional Report Surplus Deficit	6306	5939	4722	6036	7448	9979	10245	10415	10613	9678	9470	10224	10316	8581	8682
20 1948 Regional Report Surplus Deficit	5977	5733	4381	10769	10134	6867	9679	8018	7923	7967	11320	13216	14927	11174	9389
21 1949 Regional Report Surplus Deficit	8636	7815	5514	6660	7037	4389	5498	4434	10969	9206	13018	12275	11503	4499	7689
22 1950 Regional Report Surplus Deficit	3076	2405	3484	6203	6218	4825	9967	9989	12551	12222	11461	10553	14942	14082	8938
23 1951 Regional Report Surplus Deficit	7708	6738	5084	8575	11350	10829	13163	13753	13521	13237	12487	11659	10752	11543	10843
24 1952 Regional Report Surplus Deficit	6865	5398	4897	10084	8914	7323	9305	8928	8893	11775	14361	13091	11483	8372	9204
25 1953 Regional Report Surplus Deficit	5960	5463	3562	5769	5416	4061	4038	8273	7998	5837	7092	10330	15066	9946	7206
26 1954 Regional Report Surplus Deficit	5348	4940	4669	6570	7809	6444	8754	10957	10788	8992	9499	10619	13488	14106	9036
27 1955 Regional Report Surplus Deficit	9593	9654	8769	6877	9189	5890	3992	4923	4400	5416	5647	7439	14360	13536	7885
28 1956 Regional Report Surplus Deficit	8373	6034	4332	7852	10442	10252	12558	12329	12366	12040	14738	13133	15092	11961	10895
29 1957 Regional Report Surplus Deficit	7483	6971	4945	7333	7135	6765	6400	4620	9814	11339	8915	13328	14820	7511	8355
30 1958 Regional Report Surplus Deficit	5516	3652	4178	6044	6066	4727	7355	7441	8751	7879	10780	12438	12721	6489	7502
31 1959 Regional Report Surplus Deficit	4940	3513	3946	6310	8750	9025	11384	11176	10955	10659	8971	10215	13012	12616	9272
32 1960 Regional Report Surplus Deficit	8022	6322	9495	12513	11993	8327	7813	7944	8148	15599	11346	8320	11638	8267	9581
33 1961 Regional Report Surplus Deficit	5475	4367	3993	6357	7231	4889	7625	8860	11535	8993	7366	10725	13531	7345	7920
34 1962 Regional Report Surplus Deficit	5461	3882	3878	5931	6371	4382	6686	6991	5046	12400	14084	10275	9452	6966	6975
35 1963 Regional Report Surplus Deficit	5210	4758	3866	7200	9234	8212	7933	8165	7602	5413	6696	8527	10562	7656	7495
36 1964 Regional Report Surplus Deficit	4925	3870	4882	6104	6778	4822	5021	5224	5476	9577	6339	9173	15152	13201	7351
37 1965 Regional Report Surplus Deficit	8008	7147	6167	7805	8107	10532	14278	13801	12460	8409	14004	12335	11691	8163	10325
38 1966 Regional Report Surplus Deficit	7275	7084	4284	6872	7243	5259	6032	5988	6047	12609	8896	6846	9345	8424	7021
39 1967 Regional Report Surplus Deficit	5028	4096	4262	5827	6347	6044	10775	10641	10274	7311	4385	8368	14880	12056	8308
40 1968 Regional Report Surplus Deficit	6323	5811	4721	7039	7942	5515	7917	9764	9874	4630	5210	6011	12366	9573	7626
41 1969 Regional Report Surplus Deficit	6524	7277	7265	8469	10189	7398	12722	10556	9965	12855	14122	12822	12007	8881	10045
42 1970 Regional Report Surplus Deficit	6027	4826	4458	6390	6740	4121	7098	7014	7321	5597	5866	9286	13044	6161	6890
43 1971 Regional Report Surplus Deficit	4921	3545	3958	5951	6281	5114	12449	13644	13825	11818	12506	12880	15329	12103	9798
44 1972 Regional Report Surplus Deficit	8288	8416	5297	7267	7577	6137	11634	13479	16652	16061	11118	12657	15080	13399	10911
45 1973 Regional Report Surplus Deficit	9240	8982	5861	7087	7263	5870	6705	4348	5204	3504	4601	5774	4718	4321	5876
46 1974 Regional Report Surplus Deficit	3508	2569	3820	6060	6822	7430	15246	15125	14954	13623	13994	12409	15215	14341	10659
47 1975 Regional Report Surplus Deficit	8755	8843	5490	6059	6291	4981	8015	7889	8554	6033	6281	10896	14226	13026	8373
48 1976 Regional Report Surplus Deficit	7273	7406	5720	8719	10917	12264	12126	11426	11954	12875	12196	12598	12092	12445	10846
49 1977 Regional Report Surplus Deficit	10011	10602	10081	6891	6158	4039	2561	3428	3828	3524	3971	3094	712	3160	4843
50 1978 Regional Report Surplus Deficit	2958	2269	2541	5232	4932	6785	6508	6869	6662	11790	9376	11021	8700	8590	6752
51 1979 Regional Report Surplus Deficit	4856	4055	7093	6878	6659	3732	3241	4577	8238	4933	6881	9444	7904	3760	5991
52 1980 Regional Report Surplus Deficit	2755	2867	4066	5718	5462	3640	4873	4010	5344	6487	10666	12735	12399	6052	6312
53 1981 Regional Report Surplus Deficit	3461	2595	4509	6043	6663	8787	9902	9697	8447	3430	6663	8724	13776	10418	7909
54 1982 Regional Report Surplus Deficit	7595	6365	4652	6408	7581	5627	8693	14229	14641	11860	10085	11649	14164	13668	9908

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2019**

**2015 White Book** Report Date: **6/30/2015** *Continued*

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Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55 1983 Regional Report Surplus Deficit	7738	8004	6774	8129	7860	6834	10486	10860	13606	9945	9463	10623	12416	11057	9680
56 1984 Regional Report Surplus Deficit	8090	7679	5383	6731	11280	7132	9469	9513	9793	12139	12626	10289	13933	10553	9515
57 1985 Regional Report Surplus Deficit	6874	4794	5516	6860	8308	5140	5690	5370	5690	8361	11309	10797	8820	2368	6678
58 1986 Regional Report Surplus Deficit	2075	1923	4342	6902	9193	5319	8010	10153	14952	13292	13059	8674	10666	6470	8294
59 1987 Regional Report Surplus Deficit	4363	3456	3926	6004	7018	5394	4270	3469	8238	4200	6471	8024	7034	3898	5556
60 1988 Regional Report Surplus Deficit	2830	1942	3513	5576	5047	3398	2109	1215	4011	4013	6039	5410	4848	4860	3964
61 1989 Regional Report Surplus Deficit	3988	3104	3519	5684	6385	4198	3133	1954	6722	7761	12681	8508	8172	5210	5617
62 1990 Regional Report Surplus Deficit	3558	2885	3858	5858	7647	6663	7140	9821	9704	7625	11968	8316	12235	7963	7659
63 1991 Regional Report Surplus Deficit	6531	5528	4127	5884	11138	7335	10051	9622	8892	9882	8202	9084	11213	12317	8718
64 1992 Regional Report Surplus Deficit	7730	6393	3988	5634	6131	3516	3125	3533	8086	3503	4127	4974	2904	3178	4674
65 1993 Regional Report Surplus Deficit	2716	2085	3182	5617	5688	3229	722	898	5450	5845	5875	9281	8742	5941	4770
66 1994 Regional Report Surplus Deficit	4999	3676	4506	5840	5872	3913	1371	2226	6099	3735	6110	5805	6644	4454	4675
67 1995 Regional Report Surplus Deficit	3541	2362	3847	5702	4959	4447	4817	6671	7072	8594	6574	9200	12540	6924	6380
68 1996 Regional Report Surplus Deficit	4476	3757	4686	7623	12744	14246	14593	15578	16144	12722	15004	11842	12496	12197	11652
69 1997 Regional Report Surplus Deficit	7447	6649	4782	6367	7813	7483	14984	14869	15144	13714	15005	12916	14817	13418	11142
70 1998 Regional Report Surplus Deficit	8073	8526	7250	11508	9940	5582	6277	7835	7563	5596	8465	12491	13713	8248	8813
71 1999 Regional Report Surplus Deficit	6569	5444	4328	5983	6391	6751	11750	11882	13743	10102	12057	10048	14099	13421	9610
72 2000 Regional Report Surplus Deficit	9693	8819	5573	6497	11445	8394	7667	7881	8145	11754	13512	10545	7259	7376	8553
73 2001 Regional Report Surplus Deficit	5271	3138	3729	6027	5295	3837	1864	2654	3818	3898	4192	4426	328	3797	3678
74 2002 Regional Report Surplus Deficit	2840	1954	3112	4336	4252	4285	3152	3355	4774	6776	11418	8144	13371	10828	5928
75 2003 Regional Report Surplus Deficit	3867	3433	3821	5679	5785	3940	1658	3444	8439	6351	7457	7540	10194	4528	5468
76 2004 Regional Report Surplus Deficit	2952	2248	3338	6380	7693	4055	3923	2509	5958	5286	6531	7067	7488	5027	5173
77 2005 Regional Report Surplus Deficit	2598	3146	5710	6656	6898	5543	5625	5865	4895	3734	5625	7597	8058	5606	5829
78 2006 Regional Report Surplus Deficit	3919	2773	3700	5673	6504	5077	8532	8287	9282	11804	13221	11644	13318	7181	7904
79 2007 Regional Report Surplus Deficit	5159	2427	3323	5451	7511	5683	7714	7117	10755	10488	8214	9052	7536	7488	7061
80 2008 Regional Report Surplus Deficit	3835	2471	3650	5736	6377	3480	3870	3888	5548	5855	3797	10401	15089	9171	6270

**Ranked Averages**

81 <b>Bottom 10 pct</b>	<b>3974</b>	<b>3132</b>	<b>3833</b>	<b>5853</b>	<b>5481</b>	<b>3834</b>	<b>1488</b>	<b>2373</b>	<b>3730</b>	<b>3672</b>	<b>4245</b>	<b>4831</b>	<b>3784</b>	<b>4185</b>	<b>3917</b>
82 <b>Middle 80 pct</b>	<b>5449</b>	<b>4664</b>	<b>4646</b>	<b>6565</b>	<b>7220</b>	<b>5557</b>	<b>6662</b>	<b>6923</b>	<b>8401</b>	<b>8312</b>	<b>9091</b>	<b>9520</b>	<b>11039</b>	<b>8245</b>	<b>7375</b>
83 <b>Top 10 pct</b>	<b>6885</b>	<b>6089</b>	<b>4986</b>	<b>7534</b>	<b>9471</b>	<b>9897</b>	<b>13573</b>	<b>13795</b>	<b>14150</b>	<b>12835</b>	<b>13568</b>	<b>12444</b>	<b>13404</b>	<b>12183</b>	<b>10909</b>

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2020**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Regional Report Surplus Deficit	4271	4024	3912	6130	5509	3765	1810	2499	3686	3562	5104	4791	7275	2829	4222
2 1930 Regional Report Surplus Deficit	3289	2836	3965	5540	5024	3470	-33.5	3268	3471	4932	6748	4457	3390	4542	3828
3 1931 Regional Report Surplus Deficit	3863	2819	3621	5579	5334	3449	436	1094	3021	2636	513	5909	3333	4499	3444
4 1932 Regional Report Surplus Deficit	2836	1743	3147	5462	4608	3471	1040	1003	6502	11313	12155	11479	13017	8044	5985
5 1933 Regional Report Surplus Deficit	4226	4863	4288	5968	6514	4829	7895	8036	7965	6729	6800	8411	14756	12703	7718
6 1934 Regional Report Surplus Deficit	7698	6258	4710	7825	11366	12228	13508	12490	12320	14063	11912	9841	10083	5334	9959
7 1935 Regional Report Surplus Deficit	2976	2462	3152	5951	6152	3454	7585	7736	7787	4068	6606	7545	9219	8077	6220
8 1936 Regional Report Surplus Deficit	5899	3503	3457	5441	4975	3397	414	2603	4115	5498	10049	11218	12424	5492	5495
9 1937 Regional Report Surplus Deficit	3344	2721	3342	5219	5054	3623	210	1517	3252	4406	1348	5709	6829	3344	3669
10 1938 Regional Report Surplus Deficit	4214	3125	3625	5831	5314	4837	6857	6964	8845	9872	13419	11368	10477	7772	7261
11 1939 Regional Report Surplus Deficit	3604	2717	4117	5949	4972	3650	4248	4305	4805	6856	9260	8244	6060	4681	5184
12 1940 Regional Report Surplus Deficit	3520	2657	3633	6067	6100	3984	3331	3538	11035	7340	7399	7661	5591	3815	5440
13 1941 Regional Report Surplus Deficit	2340	1838	3425	5486	5177	3352	1977	2938	4253	2865	3569	5749	5530	4634	3987
14 1942 Regional Report Surplus Deficit	2741	2332	4197	5749	6245	6009	5164	3635	7068	5031	7467	6826	9034	9198	6000
15 1943 Regional Report Surplus Deficit	4839	4229	5065	5459	5442	4058	8296	8380	8805	15311	13777	9841	14840	12858	8494
16 1944 Regional Report Surplus Deficit	4987	4129	3968	5866	5620	3973	1984	3084	3107	3597	4742	3421	2484	3595	3820
17 1945 Regional Report Surplus Deficit	2778	1884	3296	5546	4819	3383	974	2459	3465	3574	1386	8660	11155	3244	4315
18 1946 Regional Report Surplus Deficit	3980	2503	3068	5764	6279	5008	6308	5288	9488	11396	13509	12313	10490	9896	7469
19 1947 Regional Report Surplus Deficit	6040	5671	4524	5802	7150	9677	9986	10296	10410	9768	9185	10445	10922	8351	8570
20 1948 Regional Report Surplus Deficit	5711	5465	4183	10535	9836	6566	9421	7899	7719	8055	11036	13388	15212	10947	9239
21 1949 Regional Report Surplus Deficit	8370	7547	5316	6426	6739	4088	5240	4314	10793	9294	12734	12574	12129	4378	7584
22 1950 Regional Report Surplus Deficit	2810	2136	3286	5969	5920	4523	9709	9869	12414	12308	11174	10785	15260	13775	8800
23 1951 Regional Report Surplus Deficit	7442	6469	4886	8341	11052	10528	12905	13633	13375	13324	12200	11865	11361	11312	10739
24 1952 Regional Report Surplus Deficit	6599	5129	4699	9850	8617	7022	9047	8808	8689	11882	14095	13354	12067	8143	9090
25 1953 Regional Report Surplus Deficit	5694	5195	3364	5535	5118	3760	3780	8153	7794	5926	6808	10558	15275	9711	7060
26 1954 Regional Report Surplus Deficit	5082	4672	4471	6336	7511	6143	8496	10837	10584	9081	9215	10778	14045	13891	8917
27 1955 Regional Report Surplus Deficit	9401	9386	8549	6643	8891	5588	3734	4803	4196	5505	5363	7635	14821	13269	7745
28 1956 Regional Report Surplus Deficit	8107	5765	4134	7618	10144	9951	12300	12209	12225	12119	14445	13363	15412	11758	10767
29 1957 Regional Report Surplus Deficit	7214	6702	4747	7099	6838	6464	6142	4500	9610	11428	8631	13590	15242	7280	8217
30 1958 Regional Report Surplus Deficit	5250	3383	3980	5810	5769	4426	7097	7321	8547	7968	10495	12709	13273	6261	7385
31 1959 Regional Report Surplus Deficit	4674	3245	3748	6076	8452	8724	11126	11056	10753	10747	8686	10407	13582	12400	9157
32 1960 Regional Report Surplus Deficit	7756	6053	9260	12279	11695	8026	7555	7824	7944	15672	11047	8529	12216	8040	9453
33 1961 Regional Report Surplus Deficit	5209	4099	3795	6123	6933	4588	7367	8740	11360	9082	7081	10929	13972	7111	7793
34 1962 Regional Report Surplus Deficit	5195	3613	3679	5697	6073	4080	6428	6871	4842	12482	13793	10466	10070	6739	6857
35 1963 Regional Report Surplus Deficit	4944	4490	3668	6966	8937	7911	7675	8045	7398	5502	6411	8734	11169	7426	7379
36 1964 Regional Report Surplus Deficit	4659	3602	4684	5870	6481	4521	4763	5104	5272	9666	6054	9380	15536	13032	7214
37 1965 Regional Report Surplus Deficit	7742	6878	5969	7571	7809	10231	14020	13681	12307	8499	13720	12561	12251	7933	10219
38 1966 Regional Report Surplus Deficit	7014	6816	4086	6638	6945	4957	5774	5868	5843	12695	8608	7050	9957	8194	6901
39 1967 Regional Report Surplus Deficit	4762	3828	4064	5593	6049	5743	10517	10522	10070	7400	4101	8577	15230	11827	8176
40 1968 Regional Report Surplus Deficit	6062	5542	4523	6806	7645	5214	7659	9644	9669	4719	4926	6215	12925	9345	7510
41 1969 Regional Report Surplus Deficit	6258	7008	7045	8235	9891	7097	12464	10436	9760	12946	13838	13121	12571	8649	9931
42 1970 Regional Report Surplus Deficit	5761	4558	4260	6157	6442	3819	6839	6894	7117	5686	5581	9493	13494	5933	6760
43 1971 Regional Report Surplus Deficit	4655	3277	3760	5717	5984	4813	12191	13524	13680	11900	12216	13086	15517	11846	9659
44 1972 Regional Report Surplus Deficit	8022	8146	5099	7033	7280	5835	11376	13360	16457	16166	10849	12883	15431	13259	10791
45 1973 Regional Report Surplus Deficit	8974	8714	5663	6853	6966	5569	6447	4228	5000	3592	4317	5981	5343	4092	5756
46 1974 Regional Report Surplus Deficit	3242	2300	3622	5826	6524	7129	14988	15005	14826	13740	13737	12638	15563	14219	10552
47 1975 Regional Report Surplus Deficit	8489	8574	5292	5825	5994	4680	7757	7769	8349	6122	5997	11115	14795	12794	8251
48 1976 Regional Report Surplus Deficit	7007	7138	5522	8485	10620	11963	11868	11307	11762	12972	11920	12922	12640	12192	10735
49 1977 Regional Report Surplus Deficit	9900	10339	9819	6657	5860	3738	2303	3309	3624	3613	3687	3297	1337	2930	4724
50 1978 Regional Report Surplus Deficit	2692	2001	2343	4998	4634	6484	6250	6749	6457	11878	9089	11171	9323	8358	6631
51 1979 Regional Report Surplus Deficit	4590	3786	6873	6644	6361	3431	2983	4457	8034	5022	6597	9668	8526	3530	5871
52 1980 Regional Report Surplus Deficit	2489	2598	3868	5484	5165	3339	4615	3890	5140	6576	10382	12877	12903	5817	6174
53 1981 Regional Report Surplus Deficit	3195	2326	4311	5809	6365	8485	9644	9577	8242	3519	6379	8936	14317	10184	7791
54 1982 Regional Report Surplus Deficit	7329	6096	4453	6174	7283	5326	8434	14110	14485	11941	9794	11890	14714	13531	9811



**Regional Report Surplus Deficit By Water Year**

**Operating Year 2020**

**2015 White Book** Report Date: **6/30/2015** *Continued*

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Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55 1983 Regional Report Surplus Deficit	7472	7735	6554	7895	7563	6533	10228	10740	13458	10034	9178	10828	12897	10818	9558
56 1984 Regional Report Surplus Deficit	7824	7410	5185	6497	10983	6831	9211	9393	9596	12231	12345	10488	14403	10338	9388
57 1985 Regional Report Surplus Deficit	6608	4526	5318	6626	8010	4838	5432	5250	5486	8448	11023	11023	9445	2138	6560
58 1986 Regional Report Surplus Deficit	1809	1655	4144	6668	8896	5018	7752	10033	14791	13381	12783	8881	11250	6244	8184
59 1987 Regional Report Surplus Deficit	4097	3187	3728	5770	6721	5092	4011	3349	8034	4289	6186	8217	7654	3668	5433
60 1988 Regional Report Surplus Deficit	2564	1673	3315	5342	4750	3096	1851	1095	3807	4102	5755	5613	5473	4630	3840
61 1989 Regional Report Surplus Deficit	3722	2836	3320	5450	6087	3896	2875	1834	6518	7850	12396	8726	8791	4981	5491
62 1990 Regional Report Surplus Deficit	3292	2616	3660	5624	7349	6362	6882	9701	9502	7715	11683	8510	12753	7735	7539
63 1991 Regional Report Surplus Deficit	6265	5259	3928	5650	10841	7033	9793	9502	8687	9970	7918	9294	11780	12062	8598
64 1992 Regional Report Surplus Deficit	7464	6124	3790	5400	5833	3215	2867	3413	7881	3592	3843	5176	3529	2948	4555
65 1993 Regional Report Surplus Deficit	2450	1817	2984	5383	5391	2928	464	779	5246	5933	5591	9493	9368	5711	4643
66 1994 Regional Report Surplus Deficit	4733	3407	4308	5607	5575	3611	1113	2106	5895	3824	5825	6009	7265	4224	4552
67 1995 Regional Report Surplus Deficit	3275	2094	3649	5468	4662	4146	4558	6551	6868	8683	6290	9404	13006	6695	6251
68 1996 Regional Report Surplus Deficit	4210	3489	4488	7389	12447	13945	14335	15458	15987	12810	14752	12080	13062	11971	11550
69 1997 Regional Report Surplus Deficit	7181	6380	4584	6133	7515	7181	14726	14749	14975	13789	14708	13228	15507	13224	11056
70 1998 Regional Report Surplus Deficit	7805	8256	7030	11274	9643	5280	6019	7715	7359	5685	8181	12672	14179	8021	8677
71 1999 Regional Report Surplus Deficit	6303	5175	4130	5749	6094	6449	11492	11762	13595	10183	11772	10249	14443	13195	9481
72 2000 Regional Report Surplus Deficit	9466	8551	5375	6263	11147	8093	7409	7761	7941	11851	13237	10722	7881	7146	8435
73 2001 Regional Report Surplus Deficit	5005	2870	3531	5793	4998	3535	1606	2535	3614	3987	3907	4630	954	3567	3559
74 2002 Regional Report Surplus Deficit	2574	1685	2914	4102	3955	3983	2894	3235	4570	6865	11134	8349	13932	10594	5800
75 2003 Regional Report Surplus Deficit	3601	3165	3623	5445	5488	3639	1400	3324	8235	6440	7172	7744	10774	4357	5347
76 2004 Regional Report Surplus Deficit	2686	1980	3140	6146	7396	3754	3665	2390	5754	5375	6246	7273	8111	4797	5049
77 2005 Regional Report Surplus Deficit	2332	2877	5512	6422	6601	5242	5367	5746	4691	3823	5340	7801	8680	5376	5713
78 2006 Regional Report Surplus Deficit	3653	2505	3502	5439	6206	4775	8274	8168	9078	11903	12945	11893	13896	6949	7790
79 2007 Regional Report Surplus Deficit	4894	2158	3125	5217	7214	5381	7456	6998	10552	10578	7931	9251	8155	7258	6945
80 2008 Regional Report Surplus Deficit	3569	2203	3452	5502	6079	3179	3612	3768	5344	5944	3513	10614	15472	8944	6129
<b>Ranked Averages</b>															
81 <b>Bottom 10 pct</b>	<b>3708</b>	<b>2864</b>	<b>3635</b>	<b>5619</b>	<b>5183</b>	<b>3533</b>	<b>1230</b>	<b>2254</b>	<b>3526</b>	<b>3761</b>	<b>3961</b>	<b>5035</b>	<b>4408</b>	<b>3955</b>	<b>3796</b>
82 <b>Middle 80 pct</b>	<b>5187</b>	<b>4396</b>	<b>4444</b>	<b>6332</b>	<b>6923</b>	<b>5256</b>	<b>6404</b>	<b>6803</b>	<b>8204</b>	<b>8400</b>	<b>8806</b>	<b>9731</b>	<b>11571</b>	<b>8017</b>	<b>7251</b>
83 <b>Top 10 pct</b>	<b>6619</b>	<b>5821</b>	<b>4788</b>	<b>7300</b>	<b>9174</b>	<b>9595</b>	<b>13315</b>	<b>13675</b>	<b>13989</b>	<b>12927</b>	<b>13291</b>	<b>12692</b>	<b>13903</b>	<b>11983</b>	<b>10801</b>

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2021**

**2015 White Book Report Date: 6/30/2015**

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Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Regional Report Surplus Deficit	3933	3840	3664	5855	5252	2840	313	892	2046	2874	4429	4110	4761	1226	3215
2 1930 Regional Report Surplus Deficit	2951	2653	3717	5265	4768	2545	-1532	1630	1841	4269	6096	3797	910	2938	2823
3 1931 Regional Report Surplus Deficit	3525	2635	3374	5304	5077	2524	-1053	-504	1410	1994	-117	5204	853	2896	2447
4 1932 Regional Report Surplus Deficit	2498	1559	2899	5187	4352	2547	-454	-593	4849	10575	11431	10381	10259	6417	4926
5 1933 Regional Report Surplus Deficit	3888	4679	4040	5693	6258	3904	6399	6441	6327	6055	6139	7597	11473	10936	6620
6 1934 Regional Report Surplus Deficit	7360	6074	4463	7550	11109	11303	11991	10892	10648	13246	11107	8996	7474	3729	8904
7 1935 Regional Report Surplus Deficit	2638	2278	2905	5676	5896	2529	6086	6125	6155	3362	5913	6795	6688	6468	5195
8 1936 Regional Report Surplus Deficit	5561	3320	3209	5166	4718	2472	-1113	964	2463	4791	9356	10022	9645	3880	4418
9 1937 Regional Report Surplus Deficit	3006	2538	3094	4944	4798	2699	-1281	-91.7	1603	3700	655	5002	4313	1741	2659
10 1938 Regional Report Surplus Deficit	3875	2941	3377	5556	5058	3912	5347	5326	7190	9099	12659	10089	7808	6153	6174
11 1939 Regional Report Surplus Deficit	3266	2533	3869	5674	4716	2725	2749	2685	3152	6197	8614	7471	3571	3077	4170
12 1940 Regional Report Surplus Deficit	3182	2473	3385	5792	5843	3059	1811	1899	9365	6633	6706	6935	3111	2212	4425
13 1941 Regional Report Surplus Deficit	2002	1654	3178	5211	4921	2427	471	1302	2610	2192	2908	5033	3037	3030	2975
14 1942 Regional Report Surplus Deficit	2402	2148	3949	5474	5989	5085	3643	1997	5435	4333	6782	6035	6496	7569	4977
15 1943 Regional Report Surplus Deficit	4501	4046	4817	5184	5185	3133	6769	6742	7151	14348	12826	8949	11724	11000	7365
16 1944 Regional Report Surplus Deficit	4649	3946	3720	5591	5364	3049	491	1464	1467	2920	4077	2739	-30.2	1992	2810
17 1945 Regional Report Surplus Deficit	2440	1701	3048	5271	4563	2459	-519	821	1826	2904	729	7802	8482	1779	3291
18 1946 Regional Report Surplus Deficit	3642	2319	2820	5489	6023	4084	4780	3658	7833	10612	12738	10913	7874	8258	6378
19 1947 Regional Report Surplus Deficit	5702	5487	4276	5527	6894	8753	8491	8676	8776	9100	8531	9522	8267	6732	7522
20 1948 Regional Report Surplus Deficit	5373	5281	3935	10260	9580	5641	7920	6285	6084	7351	10344	11762	11894	9224	8073
21 1949 Regional Report Surplus Deficit	8031	7363	5068	6151	6483	3163	3746	2676	9130	8565	12018	11162	9351	2658	6480
22 1950 Regional Report Surplus Deficit	2472	1953	3038	5694	5664	3599	8194	8231	10737	11566	10444	9772	12114	11805	7663
23 1951 Regional Report Surplus Deficit	7104	6286	4638	8066	10796	9603	11378	11995	11662	12482	11371	10542	8666	9540	9612
24 1952 Regional Report Surplus Deficit	6261	4945	4451	9575	8360	6097	7524	7170	7036	11051	13276	11691	9257	6502	7951
25 1953 Regional Report Surplus Deficit	5356	5011	3116	5260	4862	2835	2253	6515	6141	5220	6115	9465	11969	8056	5933
26 1954 Regional Report Surplus Deficit	4744	4488	4223	6061	7255	5218	6969	9199	8930	8366	8514	9594	10850	11864	7757
27 1955 Regional Report Surplus Deficit	9063	9202	8203	6368	8635	4664	2216	3176	2544	4800	4671	6849	11708	11438	6650
28 1956 Regional Report Surplus Deficit	7769	5581	3886	7343	9888	9026	10773	10571	10556	11307	13645	11780	12245	9958	9587
29 1957 Regional Report Surplus Deficit	6876	6518	4499	6824	6581	5539	4615	2862	7954	10705	7920	11947	11766	5658	7044
30 1958 Regional Report Surplus Deficit	4912	3199	3732	5535	5512	3501	5570	5683	6894	7258	9798	11453	10252	4612	6272
31 1959 Regional Report Surplus Deficit	4336	3061	3500	5801	8196	7799	9599	9418	9096	10060	8012	9424	10694	10636	8064
32 1960 Regional Report Surplus Deficit	7418	5869	8906	12004	11439	7101	6055	6186	6290	14719	10106	7728	9460	6429	8381
33 1961 Regional Report Surplus Deficit	4871	3915	3547	5848	6677	3663	5866	7102	9693	8406	6418	9841	10914	5486	6694
34 1962 Regional Report Surplus Deficit	4857	3430	3432	5422	5817	3156	4923	5233	3189	11689	13013	9433	7511	5127	5798
35 1963 Regional Report Surplus Deficit	4606	4306	3420	6691	8681	6986	6170	6407	5745	4796	5718	7799	8479	5815	6323
36 1964 Regional Report Surplus Deficit	4321	3418	4436	5595	6225	3596	3235	3472	3619	8959	5360	8466	11921	11147	6067
37 1965 Regional Report Surplus Deficit	7404	6695	5721	7296	7553	9306	12493	12043	10611	7760	12994	11030	9374	6318	9081
38 1966 Regional Report Surplus Deficit	6676	6632	3838	6363	6689	4033	4250	4232	4190	11974	7901	6351	7380	6573	5876
39 1967 Regional Report Surplus Deficit	4423	3644	3816	5318	5793	4818	8990	8883	8414	6695	3407	7707	11800	10102	7049
40 1968 Regional Report Surplus Deficit	5724	5359	4275	6531	7389	4289	6142	8006	8015	4067	4291	5523	10006	7692	6452
41 1969 Regional Report Surplus Deficit	5920	6824	6797	7960	9635	6172	10937	8798	8106	12061	12966	11728	9754	7023	8808
42 1970 Regional Report Surplus Deficit	5423	4374	4012	5882	6186	2895	5312	5256	5464	4997	4905	8641	10564	4322	5693
43 1971 Regional Report Surplus Deficit	4317	3093	3512	5442	5727	3888	10664	11886	11924	11125	11453	11562	12249	10046	8464
44 1972 Regional Report Surplus Deficit	7684	7963	4851	6758	7023	4911	9849	11721	14415	15252	9947	11457	11891	11300	9537
45 1973 Regional Report Surplus Deficit	8636	8530	5415	6578	6710	4644	4920	2590	3347	2912	3649	5267	2858	2489	4743
46 1974 Regional Report Surplus Deficit	2904	2117	3374	5551	6268	6204	13461	13367	13034	12834	12844	11177	12363	12163	9332
47 1975 Regional Report Surplus Deficit	8151	8390	5044	5550	5737	3755	6230	6131	6696	5416	5304	10034	11463	11023	7118
48 1976 Regional Report Surplus Deficit	6668	6954	5274	8210	10363	11038	10341	9668	10094	12164	11125	11618	9872	10386	9614
49 1977 Regional Report Surplus Deficit	9562	10155	9466	6382	5604	2813	799	1687	1981	2972	3059	2604	-1143	1327	3711
50 1978 Regional Report Surplus Deficit	2354	1817	2095	4723	4378	5559	4722	5111	4805	11152	8377	10093	6770	6744	5572
51 1979 Regional Report Surplus Deficit	4252	3603	6609	6369	6105	2506	1461	2826	6381	4344	5929	8735	6007	1927	4836
52 1980 Regional Report Surplus Deficit	2151	2415	3620	5209	4908	2414	3087	2252	3488	5886	9705	11507	9975	4208	5069
53 1981 Regional Report Surplus Deficit	2857	2143	4063	5534	6109	7561	8135	7939	6601	2851	5719	8040	11101	8530	6692
54 1982 Regional Report Surplus Deficit	6991	5913	4206	5899	7027	4401	6907	12471	12667	11222	9087	10612	11426	11539	8618

**Regional Report Surplus Deficit By Water Year**

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**2015 White Book** Report Date: **6/30/2015** *Continued*

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Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55 1983 Regional Report Surplus Deficit	7133	7551	6297	7620	7306	5608	8701	9102	11708	9319	8476	9752	10022	9180	8460
56 1984 Regional Report Surplus Deficit	7486	7227	4937	6222	10726	5906	7684	7755	7942	11432	11559	9478	11171	8647	8267
57 1985 Regional Report Surplus Deficit	6270	4342	5070	6351	7754	3914	3909	3612	3834	7735	10324	9952	6894	536	5508
58 1986 Regional Report Surplus Deficit	1471	1471	3896	6393	8639	4093	6225	8395	12910	12537	11913	8100	8609	4624	7108
59 1987 Regional Report Surplus Deficit	3759	3004	3480	5495	6464	4168	2487	1711	6380	3612	5548	7428	5156	2065	4415
60 1988 Regional Report Surplus Deficit	2226	1490	3067	5067	4494	2172	326	-543	2154	3431	5095	4914	2990	3025	2833
61 1989 Regional Report Surplus Deficit	3384	2652	3073	5175	5831	2972	1395	226	4874	7135	11693	7908	6260	3374	4475
62 1990 Regional Report Surplus Deficit	2954	2432	3412	5349	7093	5437	5393	8105	7880	7052	11032	7741	9842	6106	6485
63 1991 Regional Report Surplus Deficit	5927	5075	3681	5375	10584	6109	8319	7935	7104	9329	7289	8474	9067	10216	7548
64 1992 Regional Report Surplus Deficit	7126	5940	3542	5126	5577	2290	1405	1850	6304	2955	3218	4483	1047	1345	3564
65 1993 Regional Report Surplus Deficit	2112	1633	2736	5108	5134	2003	-996	-788	3614	5236	4907	8536	6803	4093	3620
66 1994 Regional Report Surplus Deficit	4395	3223	4060	5332	5318	2687	-358	538	4315	3192	5205	5333	4750	2613	3562
67 1995 Regional Report Surplus Deficit	2937	1910	3401	5193	4405	3221	3094	4983	5236	7989	5609	8470	10132	5071	5192
68 1996 Regional Report Surplus Deficit	3872	3305	4240	7114	12190	13020	12808	13826	14092	12004	13918	10799	10175	10217	10396
69 1997 Regional Report Surplus Deficit	6843	6197	4336	5858	7259	6257	13195	13108	13135	12928	13859	11767	12076	11412	9838
70 1998 Regional Report Surplus Deficit	7466	8073	6773	10999	9386	4356	4508	6071	5706	4987	7495	11236	11253	6380	7561
71 1999 Regional Report Surplus Deficit	5965	4992	3883	5474	5838	5525	9962	10119	11819	9419	11046	9322	11204	11283	8334
72 2000 Regional Report Surplus Deficit	9128	8367	5127	5988	10891	7168	5897	6203	6288	11088	12486	9695	5331	5518	7386
73 2001 Regional Report Surplus Deficit	4667	2686	3283	5518	4741	2611	135	953	2016	3326	3259	3911	-1571	1946	2555
74 2002 Regional Report Surplus Deficit	2236	1502	2666	3827	3698	3059	1412	1637	2949	6204	10486	7594	10789	8939	4739
75 2003 Regional Report Surplus Deficit	3263	2981	3375	5170	5231	2714	-65.0	1752	6630	5751	6496	6985	8149	2660	4326
76 2004 Regional Report Surplus Deficit	2348	1796	2892	5871	7139	2829	2194	808	4157	4729	5613	6561	5571	3176	4050
77 2005 Regional Report Surplus Deficit	1993	2693	5264	6147	6344	4317	3896	4162	3094	3173	4703	7067	6133	3744	4702
78 2006 Regional Report Surplus Deficit	3315	2321	3254	5164	5950	3851	6775	6559	7452	11092	12147	10725	10836	5269	6675
79 2007 Regional Report Surplus Deficit	4555	1975	2877	4942	6958	4457	5968	5404	8931	9909	7278	8370	5613	5622	5916
80 2008 Regional Report Surplus Deficit	3231	2019	3204	5227	5823	2254	2128	2176	3737	5290	2872	9530	11852	7280	5001
<b>Ranked Averages</b>															
81 <b>Bottom 10 pct</b>	<b>3370</b>	<b>2680</b>	<b>3387</b>	<b>5344</b>	<b>4927</b>	<b>2608</b>	<b>-266</b>	<b>638</b>	<b>1893</b>	<b>3088</b>	<b>3300</b>	<b>4339</b>	<b>1908</b>	<b>2349</b>	<b>2790</b>
82 <b>Middle 80 pct</b>	<b>4849</b>	<b>4212</b>	<b>4191</b>	<b>6057</b>	<b>6667</b>	<b>4331</b>	<b>4896</b>	<b>5182</b>	<b>6550</b>	<b>7681</b>	<b>8100</b>	<b>8735</b>	<b>8714</b>	<b>6343</b>	<b>6174</b>
83 <b>Top 10 pct</b>	<b>6281</b>	<b>5637</b>	<b>4540</b>	<b>7025</b>	<b>8918</b>	<b>8671</b>	<b>11787</b>	<b>12037</b>	<b>12200</b>	<b>12092</b>	<b>12463</b>	<b>11271</b>	<b>10833</b>	<b>10162</b>	<b>9624</b>

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2022**

**2015 White Book Report Date: 6/30/2015**

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Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Regional Report Surplus Deficit	2889	2308	2349	4384	3750	1938	-126	463	1938	886	2791	4258	5607	1128	2517
2 1930 Regional Report Surplus Deficit	1907	1120	2412	3802	3288	1627	-1971	1200	1733	2281	4459	3945	1756	2840	2127
3 1931 Regional Report Surplus Deficit	2481	1103	2054	3850	3585	1634	-1492	-933	1302	6.25	-1754	5353	1699	2798	1752
4 1932 Regional Report Surplus Deficit	1454	26.7	1589	3728	2864	1654	-893	-1022	4742	8588	9794	10529	11106	6319	4231
5 1933 Regional Report Surplus Deficit	2844	3147	2735	4239	4766	3008	5961	6012	6219	4067	4501	7745	12319	10837	5925
6 1934 Regional Report Surplus Deficit	6316	4542	3155	6094	9618	10413	11552	10463	10540	11258	9468	9144	8319	3631	8210
7 1935 Regional Report Surplus Deficit	1593	746	1600	4215	4390	1630	5647	5696	6047	1374	4275	6944	7535	6370	4499
8 1936 Regional Report Surplus Deficit	4517	1787	1904	3698	3232	1576	-1551	535	2355	2804	7717	10170	10490	3782	3723
9 1937 Regional Report Surplus Deficit	1962	1005	1780	3482	3309	1804	-1720	-521	1495	1713	-983	5151	5159	1643	1964
10 1938 Regional Report Surplus Deficit	2831	1409	2070	4087	3549	2981	4909	4897	7082	7112	11021	10237	8654	6055	5474
11 1939 Regional Report Surplus Deficit	2221	1001	2558	4204	3215	1815	2311	2256	3044	4209	6976	7619	4417	2979	3472
12 1940 Regional Report Surplus Deficit	2138	941	2066	4326	4355	2143	1372	1470	9258	4646	5068	7083	3957	2114	3727
13 1941 Regional Report Surplus Deficit	958	122	1846	3741	3422	1517	32.5	873	2502	205	1271	5181	3883	2932	2275
14 1942 Regional Report Surplus Deficit	1358	616	2617	4010	4494	4153	3205	1567	5327	2345	5144	6184	7341	7471	4276
15 1943 Regional Report Surplus Deficit	3457	2513	3497	3723	3658	2202	6330	6312	7044	12360	11189	9097	12569	10902	6663
16 1944 Regional Report Surplus Deficit	3605	2413	2396	4113	3854	2138	52.3	1035	1359	932	2440	2888	816	1894	2110
17 1945 Regional Report Surplus Deficit	1396	168	1727	3815	3046	1556	-957	392	1718	917	-909	7950	9328	1680	2593
18 1946 Regional Report Surplus Deficit	2598	787	1499	4023	4509	3152	4342	3229	7724	8625	11099	11061	8719	8158	5676
19 1947 Regional Report Surplus Deficit	4658	3954	2946	4052	5386	7849	8052	8247	8668	7113	6892	9670	9114	6634	6822
20 1948 Regional Report Surplus Deficit	4329	3749	2612	8792	8076	4745	7482	5855	5976	5363	8707	11910	12739	9126	7375
21 1949 Regional Report Surplus Deficit	6986	5830	3743	4671	4975	2245	3308	2247	9022	6578	10379	11311	10198	2559	5779
22 1950 Regional Report Surplus Deficit	1427	420	1728	4217	4161	2706	7755	7802	10629	9579	8806	9920	12960	11707	6966
23 1951 Regional Report Surplus Deficit	6059	4753	3317	6573	9266	8672	10939	11566	11554	10495	9734	10690	9513	9441	8907
24 1952 Regional Report Surplus Deficit	5217	3413	3135	8074	6837	5166	7086	6741	6928	9063	11638	11839	10104	6404	7246
25 1953 Regional Report Surplus Deficit	4306	3473	1783	3771	3343	1905	1814	6086	6033	3233	4477	9613	12815	7957	5228
26 1954 Regional Report Surplus Deficit	3687	2943	2883	4562	5725	4287	6530	8769	8822	6379	6875	9742	11696	11765	7049
27 1955 Regional Report Surplus Deficit	8007	7658	6859	4878	7107	3737	1778	2746	2436	2812	3033	6998	12555	11340	5943
28 1956 Regional Report Surplus Deficit	6724	4049	2561	5865	8359	8095	10334	10142	10449	9320	12007	11928	13090	9858	8883
29 1957 Regional Report Surplus Deficit	5817	4972	3160	5314	5052	4608	4176	2433	7847	8717	6283	12095	12612	5560	6335
30 1958 Regional Report Surplus Deficit	3868	1667	2395	4025	3983	2570	5131	5254	6786	5271	8161	11601	11098	4514	5564
31 1959 Regional Report Surplus Deficit	3268	1504	2150	4306	6666	6868	9160	8989	8988	8073	6375	9572	11541	10538	7355
32 1960 Regional Report Surplus Deficit	6374	4337	7569	10519	9930	6191	5617	5756	6183	12732	8469	7876	10306	6331	7679
33 1961 Regional Report Surplus Deficit	3827	2383	2229	4370	5157	2732	5427	6672	9586	6419	4781	9990	11761	5388	5991
34 1962 Regional Report Surplus Deficit	3812	1897	2116	3938	4289	2225	4484	4804	3081	9702	11375	9581	8357	5029	5095
35 1963 Regional Report Surplus Deficit	3562	2774	2114	5182	7151	6055	5731	5978	5637	2809	4081	7947	9325	5717	5618
36 1964 Regional Report Surplus Deficit	3276	1886	3116	4118	4695	2674	2797	3043	3511	6972	3722	8614	12767	11049	5364
37 1965 Regional Report Surplus Deficit	6360	5162	4411	5826	6023	8375	12054	11613	10502	5773	11357	11178	10220	6220	8379
38 1966 Regional Report Surplus Deficit	5619	5087	2521	4879	5159	3101	3811	3803	4082	9987	6263	6500	8225	6475	5171
39 1967 Regional Report Surplus Deficit	3379	2111	2500	3847	4275	3887	8552	8454	8305	4707	1770	7855	12647	10003	6347
40 1968 Regional Report Surplus Deficit	4680	3826	2968	5045	5889	3364	5703	7577	7907	2079	2654	5671	10852	7594	5752
41 1969 Regional Report Surplus Deficit	4872	5289	5484	6493	8111	5241	10498	8368	7999	10073	11329	11876	10601	6925	8107
42 1970 Regional Report Surplus Deficit	4379	2842	2704	4390	4683	1964	4874	4827	5356	3010	3268	8789	11410	4224	4991
43 1971 Regional Report Surplus Deficit	3273	1561	2202	3962	4198	2957	10225	11457	11817	9137	9816	11710	13096	9948	7761
44 1972 Regional Report Surplus Deficit	6639	6430	3518	5264	5494	3979	9410	11292	14308	13264	8310	11607	12737	11202	8831
45 1973 Regional Report Surplus Deficit	7591	6998	4089	5094	5180	3713	4481	2161	3239	924	2012	5415	3704	2391	4038
46 1974 Regional Report Surplus Deficit	1859	584	2053	4069	4738	5273	13022	12937	12926	10845	11205	11326	13209	12064	8627
47 1975 Regional Report Surplus Deficit	7107	6858	3730	4074	4232	2824	5791	5702	6588	3429	3666	10182	12309	10924	6417
48 1976 Regional Report Surplus Deficit	5624	5421	3955	6713	8834	10107	9902	9239	9987	10177	9488	11766	10718	10287	8908
49 1977 Regional Report Surplus Deficit	8478	8582	8143	4902	4085	1904	361	1258	1873	984	1421	2754	-297	1229	3007
50 1978 Regional Report Surplus Deficit	1309	285	787	3250	2849	4628	4284	4682	4697	9165	6738	10242	7616	6646	4870
51 1979 Regional Report Surplus Deficit	3207	2070	5283	4907	4608	1599	1022	2397	6274	2357	4291	8883	6854	1829	4138
52 1980 Regional Report Surplus Deficit	1107	882	2304	3740	3387	1489	2649	1823	3380	3898	8066	11655	10822	4109	4368
53 1981 Regional Report Surplus Deficit	1812	610	2746	4074	4611	6641	7696	7510	6494	864	4081	8188	11946	8432	5994
54 1982 Regional Report Surplus Deficit	5947	4380	2901	4422	5497	3470	6469	12042	12559	9235	7450	10761	12273	11441	7916

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2022**

**2015 White Book** Report Date: **6/30/2015** *Continued*

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Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55 1983 Regional Report Surplus Deficit	6089	6019	4967	6136	5782	4677	8262	8672	11599	7332	6838	9901	10868	9082	7755
56 1984 Regional Report Surplus Deficit	6441	5661	3603	4740	9197	4975	7245	7326	7834	9444	9921	9626	12018	8549	7560
57 1985 Regional Report Surplus Deficit	5225	2800	3715	4844	6224	2983	3471	3183	3726	5748	8687	10100	7741	437	4799
58 1986 Regional Report Surplus Deficit	425	-62.2	2542	4906	7122	3168	5786	7966	12802	10550	10275	8248	9456	4526	6402
59 1987 Regional Report Surplus Deficit	2714	1471	2138	4013	4949	3253	2048	1281	6273	1624	3911	7576	6003	1966	3712
60 1988 Regional Report Surplus Deficit	1182	-42.8	1753	3607	2998	1241	-112	-972	2047	1444	3457	5062	3836	2926	2134
61 1989 Regional Report Surplus Deficit	2322	1101	1749	3725	4361	2091	956	-203	4767	5147	10055	8057	7106	3275	3782
62 1990 Regional Report Surplus Deficit	1888	878	2081	3889	5615	4553	4954	7676	7772	5064	9395	7889	10688	6008	5788
63 1991 Regional Report Surplus Deficit	4864	3524	2354	3918	9108	5218	7881	7506	6996	7342	5651	8622	9913	10117	6852
64 1992 Regional Report Surplus Deficit	6074	4400	2227	3680	4115	1425	966	1420	6196	967	1580	4631	1893	1247	2874
65 1993 Regional Report Surplus Deficit	1066	99.5	1427	3662	3668	1137	-1434	-1217	3507	3249	3269	8685	7649	3994	2931
66 1994 Regional Report Surplus Deficit	3329	1669	2725	3869	3838	1806	-796	109	4207	1204	3568	5481	5596	2515	2865
67 1995 Regional Report Surplus Deficit	1885	371	2080	3747	2941	2354	2656	4553	5129	6001	3971	8618	10978	4973	4501
68 1996 Regional Report Surplus Deficit	2809	1755	2905	5653	10712	12137	12370	13397	13985	10017	12281	10947	11022	10118	9700
69 1997 Regional Report Surplus Deficit	5779	4644	3003	4398	5780	5340	12757	12679	13028	10941	12222	11915	12922	11314	9139
70 1998 Regional Report Surplus Deficit	6404	6522	5450	9535	7898	3457	4069	5642	5598	2999	5858	11385	12099	6282	6863
71 1999 Regional Report Surplus Deficit	4898	3437	2549	4026	4338	4585	9523	9690	11712	7432	9407	9470	12050	11184	7632
72 2000 Regional Report Surplus Deficit	8063	6814	3798	4530	9402	6275	5459	5774	6180	9100	10849	9843	6177	5420	6688
73 2001 Regional Report Surplus Deficit	3605	1137	1958	4062	3269	1657	-304	524	1908	1338	1621	4059	-725	1848	1854
74 2002 Regional Report Surplus Deficit	1176	-46.9	1345	2373	2225	2186	974	1208	2841	4217	8847	7744	11635	8840	4045
75 2003 Regional Report Surplus Deficit	2212	1441	2066	3728	3770	1849	-504	1323	6522	3763	4858	7133	8994	2561	3637
76 2004 Regional Report Surplus Deficit	1286	246	1563	4415	5661	1945	1756	379	4049	2742	3975	6709	6417	3078	3355
77 2005 Regional Report Surplus Deficit	935	1147	3942	4700	4875	3441	3457	3733	2986	1186	3065	7215	6978	3646	4009
78 2006 Regional Report Surplus Deficit	2247	765	1930	3714	4478	2975	6336	6129	7343	9105	10510	10873	11682	5170	5981
79 2007 Regional Report Surplus Deficit	3467	398	1539	3481	5471	3567	5529	4975	8822	7921	5640	8518	6460	5524	5216
80 2008 Regional Report Surplus Deficit	2167	467	1878	3774	4346	1371	1690	1747	3629	3303	1234	9678	12698	7182	4306
<b>Ranked Averages</b>															
81 <b>Bottom 10 pct</b>	<b>2324</b>	<b>1146</b>	<b>2068</b>	<b>3880</b>	<b>3435</b>	<b>1695</b>	<b>-705</b>	<b>209</b>	<b>1785</b>	<b>1101</b>	<b>1663</b>	<b>4487</b>	<b>2754</b>	<b>2251</b>	<b>2092</b>
82 <b>Middle 80 pct</b>	<b>3798</b>	<b>2673</b>	<b>2869</b>	<b>4585</b>	<b>5162</b>	<b>3421</b>	<b>4457</b>	<b>4753</b>	<b>6442</b>	<b>5694</b>	<b>6462</b>	<b>8883</b>	<b>9560</b>	<b>6245</b>	<b>5474</b>
83 <b>Top 10 pct</b>	<b>5232</b>	<b>4100</b>	<b>3215</b>	<b>5545</b>	<b>7401</b>	<b>7747</b>	<b>11349</b>	<b>11608</b>	<b>12092</b>	<b>10104</b>	<b>10825</b>	<b>11420</b>	<b>11679</b>	<b>10063</b>	<b>8922</b>

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2023**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Regional Report Surplus Deficit	2356	2031	1978	3949	3268	1507	-459	139	1348	1390	3181	3362	4159	669	2039
2 1930 Regional Report Surplus Deficit	1375	843	2040	3367	2806	1195	-2304	877	1143	2785	4848	3050	308	2381	1648
3 1931 Regional Report Surplus Deficit	1948	826	1682	3414	3104	1202	-1825	-1256	712	511	-1365	4457	251	2339	1274
4 1932 Regional Report Surplus Deficit	921	-250	1218	3293	2383	1222	-1226	-1345	4151	9093	10183	9634	9658	5861	3753
5 1933 Regional Report Surplus Deficit	2312	2870	2364	3803	4285	2577	5628	5689	5629	4572	4891	6850	10871	10379	5447
6 1934 Regional Report Surplus Deficit	5784	4265	2784	5658	9136	9981	11219	10140	9950	11762	9859	8249	6872	3172	7732
7 1935 Regional Report Surplus Deficit	1061	469	1228	3780	3908	1198	5314	5373	5457	1879	4665	6047	6087	5912	4021
8 1936 Regional Report Surplus Deficit	3984	1510	1532	3263	2750	1144	-1884	212	1765	3308	8106	9275	9043	3323	3245
9 1937 Regional Report Surplus Deficit	1430	728	1408	3046	2828	1372	-2053	-844	905	2217	-593	4254	3711	1184	1486
10 1938 Regional Report Surplus Deficit	2299	1132	1699	3651	3067	2549	4576	4574	6492	7616	11411	9342	7206	5596	4996
11 1939 Regional Report Surplus Deficit	1689	724	2187	3769	2733	1383	1978	1933	2454	4714	7365	6724	2969	2519	2993
12 1940 Regional Report Surplus Deficit	1605	664	1695	3891	3873	1712	1039	1147	8667	5151	5458	6187	2509	1655	3249
13 1941 Regional Report Surplus Deficit	425	-155	1474	3306	2941	1085	-301	550	1912	709	1660	4285	2435	2473	1797
14 1942 Regional Report Surplus Deficit	826	339	2245	3574	4012	3722	2872	1244	4737	2850	5534	5288	5894	7011	3798
15 1943 Regional Report Surplus Deficit	2924	2237	3125	3288	3177	1770	5997	5989	6453	12865	11578	8201	11122	10442	6184
16 1944 Regional Report Surplus Deficit	3072	2137	2024	3678	3372	1706	-281	712	769	1437	2829	1992	-632	1435	1631
17 1945 Regional Report Surplus Deficit	863	-109	1356	3380	2564	1124	-1290	68.6	1128	1421	-519	7053	7880	1222	2115
18 1946 Regional Report Surplus Deficit	2065	510	1127	3588	4027	2721	4009	2905	7134	9130	11489	10166	7272	7700	5198
19 1947 Regional Report Surplus Deficit	4125	3678	2575	3617	4904	7418	7719	7924	8078	7617	7282	8774	7666	6174	6344
20 1948 Regional Report Surplus Deficit	3796	3472	2241	8357	7594	4313	7148	5532	5386	5867	9096	11015	11293	8667	6896
21 1949 Regional Report Surplus Deficit	6454	5553	3372	4236	4493	1813	2975	1924	8432	7082	10770	10415	8750	2100	5300
22 1950 Regional Report Surplus Deficit	895	144	1356	3782	3680	2274	7422	7479	10039	10082	9196	9025	11513	11249	6488
23 1951 Regional Report Surplus Deficit	5527	4477	2946	6138	8784	8240	10606	11242	10964	10999	10123	9794	8065	8982	8428
24 1952 Regional Report Surplus Deficit	4685	3136	2763	7638	6355	4734	6752	6418	6338	9568	12027	10943	8656	5945	6768
25 1953 Regional Report Surplus Deficit	3774	3197	1411	3335	2862	1473	1481	5763	5443	3737	4866	8717	11368	7498	4750
26 1954 Regional Report Surplus Deficit	3154	2667	2512	4127	5243	3855	6197	8446	8232	6883	7265	8846	10249	11306	6570
27 1955 Regional Report Surplus Deficit	7475	7382	6488	4443	6625	3305	1445	2423	1845	3317	3422	6102	11107	10881	5465
28 1956 Regional Report Surplus Deficit	6192	3772	2189	5429	7877	7663	10001	9819	9858	9825	12397	11033	11643	9400	8404
29 1957 Regional Report Surplus Deficit	5285	4695	2788	4879	4570	4176	3843	2109	7256	9222	6672	11199	11165	5101	5856
30 1958 Regional Report Surplus Deficit	3335	1390	2023	3590	3501	2138	4798	4930	6196	5775	8550	10706	9650	4055	5086
31 1959 Regional Report Surplus Deficit	2736	1228	1778	3871	6184	6436	8827	8666	8398	8577	6764	8677	10093	10079	6877
32 1960 Regional Report Surplus Deficit	5841	4060	7198	10083	9448	5759	5284	5433	5592	13236	8858	6981	8859	5872	7200
33 1961 Regional Report Surplus Deficit	3294	2106	1858	3934	4675	2300	5094	6349	8995	6923	5170	9094	10313	4929	5513
34 1962 Regional Report Surplus Deficit	3280	1621	1744	3503	3808	1793	4151	4480	2491	10205	11764	8685	6909	4570	4616
35 1963 Regional Report Surplus Deficit	3029	2497	1742	4746	6669	5623	5398	5655	5047	3313	4470	7052	7877	5258	5140
36 1964 Regional Report Surplus Deficit	2744	1609	2745	3683	4213	2242	2464	2720	2921	7476	4112	7718	11319	10591	4886
37 1965 Regional Report Surplus Deficit	5827	4885	4040	5391	5541	7943	11721	11290	9913	6277	11746	10283	8772	5761	7901
38 1966 Regional Report Surplus Deficit	5087	4811	2149	4443	4678	2669	3478	3479	3492	10492	6653	5604	6778	6016	4693
39 1967 Regional Report Surplus Deficit	2847	1835	2128	3412	3793	3455	8218	8131	7716	5211	2159	6959	11199	9545	5869
40 1968 Regional Report Surplus Deficit	4147	3549	2596	4609	5407	2932	5370	7254	7317	2584	3043	4776	9404	7135	5274
41 1969 Regional Report Surplus Deficit	4340	5012	5112	6058	7629	4809	10165	8045	7408	10578	11718	10981	9153	6466	7628
42 1970 Regional Report Surplus Deficit	3846	2565	2332	3954	4201	1532	4541	4503	4766	3514	3657	7894	9962	3765	4513
43 1971 Regional Report Surplus Deficit	2741	1284	1831	3527	3716	2525	9892	11133	11226	9642	10205	10815	11648	9490	7283
44 1972 Regional Report Surplus Deficit	6107	6154	3146	4829	5012	3548	9077	10969	13717	13768	8699	10710	11290	10743	8352
45 1973 Regional Report Surplus Deficit	7059	6721	3717	4658	4698	3281	4148	1838	2649	1429	2401	4519	2257	1932	3560
46 1974 Regional Report Surplus Deficit	1327	307	1682	3633	4256	4841	12689	12614	12336	11350	11595	10430	11761	11605	8149
47 1975 Regional Report Surplus Deficit	6574	6581	3358	3639	3750	2392	5458	5379	5998	3933	4055	9285	10861	10466	5939
48 1976 Regional Report Surplus Deficit	5092	5145	3583	6278	8352	9675	9569	8916	9396	10681	9877	10871	9270	9828	8430
49 1977 Regional Report Surplus Deficit	7945	8305	7772	4467	3603	1473	27.5	935	1283	1489	1811	1857	-1744	770	2529
50 1978 Regional Report Surplus Deficit	777	7.77	416	2815	2367	4196	3951	4358	4107	9669	7129	9346	6169	6187	4391
51 1979 Regional Report Surplus Deficit	2675	1793	4911	4472	4126	1167	689	2074	5683	2861	4680	7987	5406	1370	3659
52 1980 Regional Report Surplus Deficit	574	605	1932	3305	2905	1058	2316	1500	2789	4403	8456	10760	9374	3650	3890
53 1981 Regional Report Surplus Deficit	1280	333	2374	3639	4129	6209	7363	7187	5903	1368	4471	7292	10499	7972	5515
54 1982 Regional Report Surplus Deficit	5415	4104	2529	3987	5016	3038	6136	11719	11969	9739	7839	9865	10825	10982	7438

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2023**

**2015 White Book** Report Date: **6/30/2015** *Continued*

S129-WB-20151029-154000

Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55 1983 Regional Report Surplus Deficit	5557	5742	4595	5700	5300	4245	7929	8349	11010	7836	7227	9005	9420	8623	7277
56 1984 Regional Report Surplus Deficit	5909	5384	3232	4305	8715	4543	6912	7003	7244	9949	10310	8730	10570	8090	7082
57 1985 Regional Report Surplus Deficit	4693	2523	3343	4409	5742	2551	3138	2860	3135	6253	9076	9205	6293	-21.5	4321
58 1986 Regional Report Surplus Deficit	-107	-339	2171	4471	6641	2737	5453	7642	12212	11053	10664	7352	8008	4067	5924
59 1987 Regional Report Surplus Deficit	2182	1195	1766	3578	4467	2821	1715	958	5682	2128	4300	6680	4555	1508	3233
60 1988 Regional Report Surplus Deficit	650	-320	1381	3171	2516	809	-445	-1295	1456	1948	3847	4166	2388	2468	1656
61 1989 Regional Report Surplus Deficit	1789	825	1377	3290	3879	1660	623	-526	4176	5652	10445	7161	5658	2816	3303
62 1990 Regional Report Surplus Deficit	1356	602	1710	3454	5133	4121	4621	7352	7182	5569	9784	6994	9241	5548	5310
63 1991 Regional Report Surplus Deficit	4331	3248	1982	3483	8626	4786	7548	7183	6406	7845	6041	7726	8465	9659	6374
64 1992 Regional Report Surplus Deficit	5541	4123	1855	3245	3633	993	633	1097	5606	1472	1969	3736	445	788	2396
65 1993 Regional Report Surplus Deficit	534	-177	1056	3227	3186	706	-1767	-1541	2916	3753	3658	7788	6201	3536	2452
66 1994 Regional Report Surplus Deficit	2796	1392	2354	3434	3356	1374	-1129	-214	3617	1708	3957	4585	4148	2057	2386
67 1995 Regional Report Surplus Deficit	1353	93.8	1708	3312	2459	1923	2323	4230	4538	6506	4361	7722	9531	4514	4023
68 1996 Regional Report Surplus Deficit	2277	1478	2533	5218	10230	11705	12036	13074	13394	10521	12670	10052	9574	9659	9221
69 1997 Regional Report Surplus Deficit	5247	4368	2631	3963	5298	4908	12424	12356	12437	11445	12611	11020	11475	10855	8660
70 1998 Regional Report Surplus Deficit	5871	6245	5078	9100	7416	3025	3736	5319	5008	3504	6247	10489	10652	5823	6384
71 1999 Regional Report Surplus Deficit	4366	3160	2178	3590	3856	4153	9190	9366	11121	7936	9798	8575	10603	10725	7154
72 2000 Regional Report Surplus Deficit	7531	6537	3426	4095	8920	5843	5126	5450	5590	9604	11238	8948	4729	4961	6210
73 2001 Regional Report Surplus Deficit	3073	860	1586	3627	2787	1226	-637	201	1318	1843	2011	3164	-2173	1389	1375
74 2002 Regional Report Surplus Deficit	643	-324	973	1937	1743	1755	641	885	2251	4721	9238	6847	10187	8381	3567
75 2003 Regional Report Surplus Deficit	1679	1165	1694	3293	3288	1417	-837	999	5932	4268	5248	6237	7546	2103	3158
76 2004 Regional Report Surplus Deficit	754	-30.6	1192	3980	5179	1513	1423	55.9	3459	3246	4365	5814	4969	2619	2876
77 2005 Regional Report Surplus Deficit	403	870	3570	4264	4393	3010	3124	3410	2396	1690	3455	6319	5531	3187	3531
78 2006 Regional Report Surplus Deficit	1715	488	1558	3278	3996	2543	6003	5806	6754	9609	10899	9978	10235	4711	5503
79 2007 Regional Report Surplus Deficit	2935	121	1167	3046	4989	3135	5196	4652	8232	8425	6029	7623	5012	5065	4737
80 2008 Regional Report Surplus Deficit	1635	190	1506	3339	3864	939	1357	1424	3039	3807	1624	8783	11250	6723	3828
<b>Ranked Averages</b>															
81 <b>Bottom 10 pct</b>	<b>1791</b>	<b>869</b>	<b>1697</b>	<b>3445</b>	<b>2953</b>	<b>1263</b>	<b>-1038</b>	<b>-115</b>	<b>1195</b>	<b>1605</b>	<b>2052</b>	<b>3592</b>	<b>1306</b>	<b>1792</b>	<b>1613</b>
82 <b>Middle 80 pct</b>	<b>3266</b>	<b>2396</b>	<b>2497</b>	<b>4150</b>	<b>4680</b>	<b>2989</b>	<b>4124</b>	<b>4429</b>	<b>5852</b>	<b>6198</b>	<b>6852</b>	<b>7988</b>	<b>8113</b>	<b>5786</b>	<b>4995</b>
83 <b>Top 10 pct</b>	<b>4699</b>	<b>3823</b>	<b>2844</b>	<b>5110</b>	<b>6919</b>	<b>7315</b>	<b>11015</b>	<b>11285</b>	<b>11502</b>	<b>10608</b>	<b>11215</b>	<b>10524</b>	<b>10231</b>	<b>9604</b>	<b>8443</b>

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2024**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Regional Report Surplus Deficit	2022	1717	1773	3810	3128	1266	-708	72.0	1350	2020	3602	3752	4926	538	2047
2 1930 Regional Report Surplus Deficit	1040	530	1836	3228	2666	955	-2553	810	1145	3416	5270	3439	1075	2250	1660
3 1931 Regional Report Surplus Deficit	1614	512	1478	3276	2964	962	-2074	-1323	714	1141	-943	4847	1018	2207	1281
4 1932 Regional Report Surplus Deficit	587	-564	1013	3154	2243	982	-1475	-1413	4154	9722	10605	10024	10425	5729	3753
5 1933 Regional Report Surplus Deficit	1977	2556	2159	3664	4144	2336	5378	5621	5631	5202	5312	7240	11639	10247	5461
6 1934 Regional Report Surplus Deficit	5449	3951	2579	5520	8996	9741	10970	10072	9952	12392	10280	8639	7639	3040	7752
7 1935 Regional Report Surplus Deficit	727	155	1024	3641	3768	958	5065	5305	5459	2509	5086	6437	6854	5780	4038
8 1936 Regional Report Surplus Deficit	3650	1197	1328	3124	2610	904	-2134	145	1767	3938	8529	9664	9810	3191	3250
9 1937 Regional Report Surplus Deficit	1095	415	1204	2907	2688	1132	-2302	-912	907	2847	-172	4644	4478	1052	1493
10 1938 Regional Report Surplus Deficit	1964	818	1494	3513	2927	2309	4326	4506	6494	8246	11832	9732	7973	5464	5008
11 1939 Regional Report Surplus Deficit	1355	410	1982	3630	2593	1143	1728	1865	2456	5344	7787	7113	3736	2388	3004
12 1940 Regional Report Surplus Deficit	1271	350	1490	3752	3733	1471	790	1080	8670	5781	5878	6577	3276	1523	3257
13 1941 Regional Report Surplus Deficit	91.0	-469	1270	3167	2801	845	-550	482	1914	1339	2082	4675	3202	2341	1807
14 1942 Regional Report Surplus Deficit	491	25.2	2041	3435	3872	3481	2622	1177	4739	3480	5955	5677	6661	6881	3805
15 1943 Regional Report Surplus Deficit	2590	1923	2921	3149	3037	1530	5748	5922	6455	13495	12000	8590	11889	10311	6198
16 1944 Regional Report Surplus Deficit	2738	1823	1820	3539	3232	1466	-530	644	771	2067	3251	2382	135	1303	1643
17 1945 Regional Report Surplus Deficit	529	-422	1151	3241	2424	884	-1540	1.22	1130	2051	-97.5	7443	8647	1090	2123
18 1946 Regional Report Surplus Deficit	1731	196	923	3449	3887	2480	3759	2838	7136	9759	11911	10555	8039	7568	5205
19 1947 Regional Report Surplus Deficit	3791	3364	2370	3478	4764	7177	7470	7857	8080	8247	7704	9164	8432	6043	6362
20 1948 Regional Report Surplus Deficit	3462	3158	2036	8218	7454	4073	6899	5465	5388	6498	9517	11405	12059	8535	6906
21 1949 Regional Report Surplus Deficit	6120	5239	3167	4097	4353	1573	2725	1856	8435	7712	11191	10805	9516	1969	5305
22 1950 Regional Report Surplus Deficit	561	-170	1152	3643	3539	2034	7173	7411	10042	10712	9618	9414	12279	11117	6504
23 1951 Regional Report Surplus Deficit	5193	4163	2741	5999	8644	8000	10357	11175	10966	11630	10545	10184	8832	8850	8450
24 1952 Regional Report Surplus Deficit	4350	2822	2559	7500	6215	4494	6503	6350	6340	10198	12449	11333	9423	5814	6780
25 1953 Regional Report Surplus Deficit	3440	2883	1207	3196	2722	1232	1232	5695	5445	4367	5288	9107	12134	7366	4766
26 1954 Regional Report Surplus Deficit	2820	2353	2307	3988	5103	3615	5948	8379	8234	7513	7687	9235	11016	11175	6589
27 1955 Regional Report Surplus Deficit	7140	7068	6283	4304	6485	3064	1195	2356	1848	3947	3844	6492	11875	10750	5470
28 1956 Regional Report Surplus Deficit	5858	3458	1985	5290	7737	7423	9752	9751	9860	10454	12818	11421	12410	9268	8422
29 1957 Regional Report Surplus Deficit	4950	4381	2584	4740	4430	3936	3594	2042	7258	9852	7093	11589	11931	4969	5860
30 1958 Regional Report Surplus Deficit	3001	1076	1819	3451	3361	1898	4549	4863	6198	6405	8971	11096	10417	3923	5099
31 1959 Regional Report Surplus Deficit	2401	914	1574	3732	6044	6196	8578	8598	8400	9207	7185	9067	10861	9947	6895
32 1960 Regional Report Surplus Deficit	5507	3746	6993	9945	9308	5519	5034	5366	5594	13867	9279	7371	9626	5740	7209
33 1961 Regional Report Surplus Deficit	2960	1792	1653	3796	4535	2060	4845	6282	8998	7553	5592	9484	11080	4798	5529
34 1962 Regional Report Surplus Deficit	2945	1307	1540	3364	3667	1552	3902	4413	2493	10836	12186	9075	7676	4438	4630
35 1963 Regional Report Surplus Deficit	2695	2183	1538	4607	6529	5383	5149	5587	5049	3943	4892	7441	8644	5127	5155
36 1964 Regional Report Surplus Deficit	2410	1295	2540	3544	4073	2002	2214	2653	2923	8106	4535	8107	12086	10459	4894
37 1965 Regional Report Surplus Deficit	5493	4572	3835	5252	5401	7703	11472	11223	9915	6907	12168	10672	9539	5629	7924
38 1966 Regional Report Surplus Deficit	4752	4497	1945	4305	4538	2429	3229	3412	3494	11122	7074	5994	7545	5884	4703
39 1967 Regional Report Surplus Deficit	2512	1521	1924	3273	3653	3215	7969	8064	7718	5841	2581	7349	11966	9413	5889
40 1968 Regional Report Surplus Deficit	3813	3236	2392	4470	5267	2692	5121	7186	7319	3214	3464	5165	10172	7003	5293
41 1969 Regional Report Surplus Deficit	4006	4698	4908	5919	7489	4569	9916	7978	7411	11208	12140	11370	9920	6334	7643
42 1970 Regional Report Surplus Deficit	3512	2251	2128	3815	4061	1291	4291	4436	4768	4144	4079	8283	10729	3633	4527
43 1971 Regional Report Surplus Deficit	2406	970	1626	3388	3576	2285	9643	11066	11229	10272	10626	11204	12415	9358	7307
44 1972 Regional Report Surplus Deficit	5773	5840	2942	4690	4872	3307	8828	10902	13719	14399	9120	11100	12056	10612	8373
45 1973 Regional Report Surplus Deficit	6725	6407	3513	4519	4558	3041	3899	1770	2651	2059	2823	4908	3024	1800	3569
46 1974 Regional Report Surplus Deficit	993	-6.39	1477	3494	4116	4601	12440	12547	12338	11980	12017	10819	12529	11473	8175
47 1975 Regional Report Surplus Deficit	6240	6267	3154	3500	3610	2151	5209	5311	6001	4563	4477	9675	11628	10334	5951
48 1976 Regional Report Surplus Deficit	4757	4831	3379	6139	8212	9435	9320	8849	9399	11312	10299	11261	10037	9696	8445
49 1977 Regional Report Surplus Deficit	7611	7991	7567	4328	3463	1232	-222	868	1285	2119	2232	2247	-978	639	2538
50 1978 Regional Report Surplus Deficit	443	-306	212	2676	2227	3956	3701	4291	4109	10299	7550	9735	6935	6055	4405
51 1979 Regional Report Surplus Deficit	2341	1480	4707	4333	3986	926	440	2006	5686	3491	5102	8377	6173	1238	3669
52 1980 Regional Report Surplus Deficit	240	292	1728	3166	2765	817	2066	1432	2792	5033	8877	11149	10140	3518	3897
53 1981 Regional Report Surplus Deficit	945	19.6	2170	3500	3989	5968	7114	7119	5906	1998	4892	7682	11266	7841	5534
54 1982 Regional Report Surplus Deficit	5080	3790	2325	3848	4876	2798	5886	11652	11971	10369	8261	10255	11592	10851	7463



**Regional Report Surplus Deficit By Water Year**

**Operating Year 2024**

**2015 White Book** Report Date: **6/30/2015** *Continued*

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Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55 1983 Regional Report Surplus Deficit	5222	5428	4391	5561	5160	4005	7680	8282	11012	8466	7649	9394	10188	8491	7294
56 1984 Regional Report Surplus Deficit	5574	5071	3027	4166	8575	4303	6663	6935	7246	10579	10733	9120	11337	7959	7095
57 1985 Regional Report Surplus Deficit	4359	2209	3139	4270	5602	2310	2888	2792	3138	6883	9497	9594	7060	-153	4331
58 1986 Regional Report Surplus Deficit	-442	-653	1967	4332	6500	2496	5204	7575	12214	11683	11087	7742	8774	3936	5942
59 1987 Regional Report Surplus Deficit	1848	881	1562	3439	4327	2581	1466	891	5685	2759	4722	7070	5321	1376	3241
60 1988 Regional Report Surplus Deficit	315	-633	1177	3033	2376	568	-695	-1363	1459	2578	4268	4556	3155	2336	1661
61 1989 Regional Report Surplus Deficit	1455	511	1173	3151	3739	1419	374	-594	4178	6282	10866	7551	6426	2685	3307
62 1990 Regional Report Surplus Deficit	1022	288	1505	3315	4993	3880	4372	7285	7185	6199	10206	7384	10007	5418	5329
63 1991 Regional Report Surplus Deficit	3997	2934	1778	3344	8486	4545	7298	7115	6408	8476	6462	8116	9233	9527	6390
64 1992 Regional Report Surplus Deficit	5207	3809	1651	3106	3493	753	384	1030	5609	2102	2391	4125	1212	656	2406
65 1993 Regional Report Surplus Deficit	200	-491	851	3088	3046	465	-2017	-1608	2919	4383	4080	8178	6969	3404	2455
66 1994 Regional Report Surplus Deficit	2462	1078	2149	3295	3216	1134	-1379	-282	3619	2339	4379	4974	4916	1925	2393
67 1995 Regional Report Surplus Deficit	1018	-220	1504	3173	2319	1682	2073	4163	4541	7136	4782	8111	10298	4383	4037
68 1996 Regional Report Surplus Deficit	1943	1164	2329	5079	10090	11465	11787	13006	13397	11150	13092	10442	10342	9528	9246
69 1997 Regional Report Surplus Deficit	4912	4054	2427	3824	5158	4667	12174	12288	12439	12075	13033	11410	12241	10723	8684
70 1998 Regional Report Surplus Deficit	5537	5931	4874	8961	7276	2785	3487	5252	5010	4134	6669	10879	11418	5692	6395
71 1999 Regional Report Surplus Deficit	4032	2846	1973	3452	3716	3913	8941	9299	11124	8566	10219	8963	11369	10593	7173
72 2000 Regional Report Surplus Deficit	7196	6223	3222	3956	8780	5603	4876	5383	5592	10234	11659	9338	5496	4830	6222
73 2001 Regional Report Surplus Deficit	2739	546	1382	3488	2647	985	-886	133	1320	2473	2432	3554	-1406	1257	1386
74 2002 Regional Report Surplus Deficit	309	-638	769	1798	1603	1514	391	817	2253	5352	9659	7237	10954	8249	3573
75 2003 Regional Report Surplus Deficit	1345	851	1490	3154	3148	1177	-1086	932	5935	4898	5670	6627	8314	1971	3166
76 2004 Regional Report Surplus Deficit	420	-345	988	3841	5039	1273	1173	-11.5	3462	3876	4786	6203	5736	2488	2882
77 2005 Regional Report Surplus Deficit	68.4	556	3366	4125	4253	2769	2875	3343	2398	2320	3876	6708	6298	3055	3544
78 2006 Regional Report Surplus Deficit	1380	175	1354	3139	3856	2303	5754	5739	6756	10239	11320	10368	11001	4579	5517
79 2007 Regional Report Surplus Deficit	2600	-192	963	2907	4849	2895	4947	4585	8234	9055	6451	8011	5779	4933	4751
80 2008 Regional Report Surplus Deficit	1301	-124	1302	3200	3724	698	1107	1356	3041	4437	2045	9173	12017	6591	3835

**Ranked Averages**

81 <b>Bottom 10 pct</b>	<b>1457</b>	<b>555</b>	<b>1492</b>	<b>3306</b>	<b>2813</b>	<b>1022</b>	<b>-1287</b>	<b>-182</b>	<b>1198</b>	<b>2235</b>	<b>2474</b>	<b>3981</b>	<b>2073</b>	<b>1661</b>	<b>1622</b>
82 <b>Middle 80 pct</b>	<b>2931</b>	<b>2082</b>	<b>2293</b>	<b>4011</b>	<b>4540</b>	<b>2748</b>	<b>3875</b>	<b>4362</b>	<b>5854</b>	<b>6828</b>	<b>7273</b>	<b>8377</b>	<b>8880</b>	<b>5654</b>	<b>5007</b>
83 <b>Top 10 pct</b>	<b>4365</b>	<b>3509</b>	<b>2639</b>	<b>4971</b>	<b>6779</b>	<b>7075</b>	<b>10766</b>	<b>11218</b>	<b>11504</b>	<b>11238</b>	<b>11637</b>	<b>10913</b>	<b>10998</b>	<b>9472</b>	<b>8465</b>

### Regional Report Surplus Deficit By Water Year

#### Operating Year 2025

2015 White Book Report Date: 6/30/2015

S129-WB-20151029-154000

Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Regional Report Surplus Deficit	1752	1454	1499	3615	2912	1030	-948	-301	1065	774	2718	2774	3807	162	1585
2 1930 Regional Report Surplus Deficit	770	266	1562	3032	2451	719	-2793	437	860	2169	4386	2462	-43.8	1874	1195
3 1931 Regional Report Surplus Deficit	1344	249	1203	3080	2748	726	-2314	-1697	429	-106	-1827	3870	-101	1831	821
4 1932 Regional Report Surplus Deficit	317	-827	739	2958	2027	745	-1716	-1786	3868	8475	9721	9046	9306	5353	3300
5 1933 Regional Report Surplus Deficit	1707	2293	1885	3469	3929	2100	5138	5248	5346	3955	4428	6262	10519	9871	4994
6 1934 Regional Report Surplus Deficit	5179	3688	2305	5324	8780	9504	10730	9699	9667	11146	9396	7662	6521	2665	7278
7 1935 Regional Report Surplus Deficit	456	-108	749	3446	3553	721	4824	4932	5174	1262	4202	5460	5735	5404	3568
8 1936 Regional Report Surplus Deficit	3379	933	1054	2928	2394	667	-2374	-229	1482	2691	7645	8687	8692	2816	2791
9 1937 Regional Report Surplus Deficit	825	151	930	2712	2472	895	-2543	-1285	622	1600	-1056	3667	3359	676	1032
10 1938 Regional Report Surplus Deficit	1694	555	1220	3317	2712	2072	4086	4133	6209	7000	10948	8755	6854	5088	4542
11 1939 Regional Report Surplus Deficit	1084	147	1708	3434	2378	906	1488	1492	2171	4097	6903	6135	2617	2011	2540
12 1940 Regional Report Surplus Deficit	1001	86.7	1216	3556	3518	1235	549	706	8385	4533	4994	5599	2158	1147	2795
13 1941 Regional Report Surplus Deficit	-180	-732	995	2971	2585	608	-790	109	1629	92.3	1198	3698	2083	1966	1344
14 1942 Regional Report Surplus Deficit	221	-238	1767	3240	3657	3245	2382	804	4454	2233	5071	4700	5543	6504	3345
15 1943 Regional Report Surplus Deficit	2319	1660	2646	2953	2821	1293	5507	5549	6171	12249	11116	7613	10770	9934	5731
16 1944 Regional Report Surplus Deficit	2467	1560	1545	3343	3017	1229	-770	271	486	820	2367	1404	-984	927	1178
17 1945 Regional Report Surplus Deficit	258	-686	877	3045	2208	647	-1780	-372	845	804	-982	6466	7528	714	1661
18 1946 Regional Report Surplus Deficit	1460	-66.8	648	3253	3671	2244	3519	2465	6851	8512	11027	9578	6920	7192	4745
19 1947 Regional Report Surplus Deficit	3521	3101	2096	3282	4548	6941	7229	7483	7795	7000	6820	8187	7314	5666	5890
20 1948 Regional Report Surplus Deficit	3191	2895	1762	8022	7238	3837	6659	5092	5103	5251	8633	10427	10941	8159	6443
21 1949 Regional Report Surplus Deficit	5849	4976	2893	3901	4137	1337	2485	1483	8149	6465	10307	9827	8398	1592	4847
22 1950 Regional Report Surplus Deficit	290	-433	877	3448	3324	1798	6933	7038	9756	9466	8733	8436	11161	10741	6034
23 1951 Regional Report Surplus Deficit	4922	3900	2467	5804	8429	7763	10117	10802	10681	10382	9661	9207	7713	8474	7975
24 1952 Regional Report Surplus Deficit	4080	2559	2284	7304	5999	4258	6263	5977	6055	8951	11565	10356	8304	5438	6314
25 1953 Regional Report Surplus Deficit	3169	2620	932	3001	2506	996	992	5322	5160	3120	4404	8129	11016	6990	4296
26 1954 Regional Report Surplus Deficit	2550	2089	2033	3793	4888	3378	5707	8006	7948	6266	6802	8258	9897	10799	6117
27 1955 Regional Report Surplus Deficit	6870	6805	6009	4108	6270	2828	955	1983	1563	2700	2960	5515	10755	10374	5011
28 1956 Regional Report Surplus Deficit	5587	3195	1710	5095	7521	7187	9511	9378	9575	9207	11934	10444	11292	8892	7951
29 1957 Regional Report Surplus Deficit	4680	4118	2310	4544	4214	3699	3353	1669	6974	8605	6209	10612	10813	4593	5403
30 1958 Regional Report Surplus Deficit	2730	813	1544	3256	3145	1661	4309	4490	5913	5158	8087	10118	9298	3547	4632
31 1959 Regional Report Surplus Deficit	2131	651	1299	3537	5829	5959	8338	8225	8115	7960	6301	8089	9741	9571	6423
32 1960 Regional Report Surplus Deficit	5236	3483	6719	9749	9092	5283	4794	4993	5310	12619	8395	6393	8507	5364	6747
33 1961 Regional Report Surplus Deficit	2690	1529	1379	3600	4320	1823	4604	5909	8713	6306	4708	8507	9961	4422	5060
34 1962 Regional Report Surplus Deficit	2675	1044	1265	3168	3452	1316	3661	4040	2208	9589	11302	8098	6558	4062	4163
35 1963 Regional Report Surplus Deficit	2425	1920	1263	4412	6313	5147	4908	5214	4764	2696	4007	6464	7525	4751	4686
36 1964 Regional Report Surplus Deficit	2139	1032	2266	3349	3857	1765	1974	2279	2638	6859	3650	7130	10967	10083	4433
37 1965 Regional Report Surplus Deficit	5222	4308	3561	5056	5186	7467	11231	10850	9629	5660	11284	9694	8420	5253	7447
38 1966 Regional Report Surplus Deficit	4482	4234	1671	4109	4322	2193	2988	3039	3209	9876	6190	5017	6427	5508	4239
39 1967 Regional Report Surplus Deficit	2242	1258	1650	3078	3437	2978	7729	7690	7432	4595	1697	6371	10847	9037	5416
40 1968 Regional Report Surplus Deficit	3542	2972	2118	4275	5052	2456	4880	6813	7033	1966	2581	4188	9052	6627	4820
41 1969 Regional Report Surplus Deficit	3735	4435	4633	5724	7273	4333	9676	7605	7126	9962	11256	10392	8801	5959	7175
42 1970 Regional Report Surplus Deficit	3241	1988	1853	3620	3845	1055	4051	4063	4483	2897	3195	7305	9610	3257	4059
43 1971 Regional Report Surplus Deficit	2136	707	1352	3193	3360	2048	9402	10693	10944	9025	9742	10227	11296	8982	6830
44 1972 Regional Report Surplus Deficit	5502	5577	2667	4494	4656	3071	8588	10528	13435	13152	8236	10123	10938	10235	7899
45 1973 Regional Report Surplus Deficit	6454	6144	3239	4324	4343	2805	3659	1397	2366	812	1939	3931	1905	1424	3107
46 1974 Regional Report Surplus Deficit	722	-270	1203	3299	3901	4365	12199	12174	12053	10734	11133	9842	11410	11097	7696
47 1975 Regional Report Surplus Deficit	5969	6004	2879	3305	3394	1915	4968	4938	5715	3316	3593	8698	10509	9958	5486
48 1976 Regional Report Surplus Deficit	4487	4568	3105	5944	7996	9198	9079	8475	9114	10064	9415	10282	8918	9320	7977
49 1977 Regional Report Surplus Deficit	7341	7728	7293	4132	3247	996	-462	494	1000	872	1348	1270	-2096	263	2075
50 1978 Regional Report Surplus Deficit	172	-569	-62.9	2480	2011	3719	3461	3918	3824	9052	6666	8758	5817	5679	3938
51 1979 Regional Report Surplus Deficit	2070	1216	4432	4137	3770	690	199	1633	5400	2244	4218	7400	5054	862	3206
52 1980 Regional Report Surplus Deficit	-30.5	28.4	1454	2971	2550	581	1826	1059	2507	3787	7994	10172	9022	3143	3436
53 1981 Regional Report Surplus Deficit	675	-244	1895	3304	3774	5732	6873	6746	5621	751	4008	6705	10148	7465	5062
54 1982 Regional Report Surplus Deficit	4810	3527	2050	3652	4660	2562	5646	11278	11686	9122	7377	9277	10473	10475	6984

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2025**

**2015 White Book** Report Date: **6/30/2015** *Continued*

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Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55 1983 Regional Report Surplus Deficit	4952	5165	4117	5366	4944	3768	7440	7909	10726	7219	6765	8417	9068	8115	6823
56 1984 Regional Report Surplus Deficit	5304	4807	2753	3970	8359	4067	6423	6562	6961	9333	9848	8143	10218	7582	6628
57 1985 Regional Report Surplus Deficit	4088	1946	2865	4074	5387	2074	2648	2419	2853	5636	8613	8616	5941	-529	3867
58 1986 Regional Report Surplus Deficit	-712	-916	1692	4136	6285	2260	4964	7202	11929	10437	10203	6765	7656	3560	5470
59 1987 Regional Report Surplus Deficit	1577	618	1287	3244	4111	2345	1226	518	5400	1512	3838	6092	4203	1000	2780
60 1988 Regional Report Surplus Deficit	44.7	-897	902	2837	2161	332	-935	-1736	1173	1331	3384	3579	2036	1960	1202
61 1989 Regional Report Surplus Deficit	1184	248	898	2955	3524	1183	134	-967	3893	5035	9982	6574	5306	2309	2850
62 1990 Regional Report Surplus Deficit	751	24.6	1231	3120	4777	3644	4131	6912	6899	4952	9322	6406	8889	5041	4856
63 1991 Regional Report Surplus Deficit	3727	2671	1504	3148	8270	4309	7058	6742	6123	7229	5578	7139	8113	9151	5920
64 1992 Regional Report Surplus Deficit	4936	3546	1377	2910	3277	516	143	657	5323	855	1507	3147	93.4	280	1942
65 1993 Regional Report Surplus Deficit	-70.8	-754	577	2892	2830	229	-2257	-1981	2633	3136	3196	7201	5849	3028	1999
66 1994 Regional Report Surplus Deficit	2191	815	1875	3099	3000	897	-1619	-655	3334	1092	3495	3997	3796	1549	1933
67 1995 Regional Report Surplus Deficit	748	-483	1230	2977	2103	1446	1833	3789	4256	5890	3898	7134	9179	4007	3570
68 1996 Regional Report Surplus Deficit	1672	901	2055	4883	9875	11228	11547	12633	13112	9904	12207	9464	9222	9152	8768
69 1997 Regional Report Surplus Deficit	4642	3791	2153	3628	4942	4431	11934	11915	12154	10828	12148	10432	11123	10347	8207
70 1998 Regional Report Surplus Deficit	5266	5668	4599	8766	7060	2549	3247	4878	4725	2887	5785	9901	10300	5315	5931
71 1999 Regional Report Surplus Deficit	3761	2583	1699	3256	3501	3677	8700	8926	10839	7319	9335	7986	10251	10217	6700
72 2000 Regional Report Surplus Deficit	6926	5960	2947	3760	8564	5367	4636	5010	5307	8988	10775	8361	4377	4454	5757
73 2001 Regional Report Surplus Deficit	2468	283	1108	3292	2431	749	-1126	-240	1035	1226	1548	2577	-2525	881	922
74 2002 Regional Report Surplus Deficit	38.3	-901	494	1603	1387	1278	151	444	1968	4104	8776	6260	9835	7873	3113
75 2003 Regional Report Surplus Deficit	1074	588	1215	2958	2932	940	-1326	559	5649	3651	4785	5649	7195	1595	2705
76 2004 Regional Report Surplus Deficit	149	-608	713	3645	4823	1036	933	-385	3176	2629	3902	5226	4617	2112	2423
77 2005 Regional Report Surplus Deficit	-202	293	3092	3930	4037	2533	2634	2969	2113	1073	2992	5731	5180	2680	3078
78 2006 Regional Report Surplus Deficit	1110	-88.5	1079	2944	3640	2066	5514	5366	6470	8992	10436	9391	9883	4203	5050
79 2007 Regional Report Surplus Deficit	2330	-456	689	2711	4633	2658	4706	4211	7949	7808	5567	7034	4660	4557	4284
80 2008 Regional Report Surplus Deficit	1030	-387	1028	3004	3509	462	867	983	2756	3190	1161	8195	10898	6215	3374

**Ranked Averages**

81 <b>Bottom 10 pct</b>	<b>1186</b>	<b>292</b>	<b>1218</b>	<b>3110</b>	<b>2597</b>	<b>786</b>	<b>-1528</b>	<b>-555</b>	<b>912</b>	<b>988</b>	<b>1590</b>	<b>3004</b>	<b>954</b>	<b>1285</b>	<b>1160</b>
82 <b>Middle 80 pct</b>	<b>2661</b>	<b>1819</b>	<b>2018</b>	<b>3815</b>	<b>4325</b>	<b>2512</b>	<b>3634</b>	<b>3989</b>	<b>5569</b>	<b>5582</b>	<b>6389</b>	<b>7400</b>	<b>7761</b>	<b>5278</b>	<b>4542</b>
83 <b>Top 10 pct</b>	<b>4095</b>	<b>3246</b>	<b>2365</b>	<b>4775</b>	<b>6563</b>	<b>6839</b>	<b>10526</b>	<b>10844</b>	<b>11219</b>	<b>9992</b>	<b>10752</b>	<b>9936</b>	<b>9879</b>	<b>9096</b>	<b>7990</b>

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2026**

**2015 White Book Report Date: 6/30/2015**

S129-WB-20151029-154000

Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Regional Report Surplus Deficit	1357	1303	1313	3405	2656	184	-1918	-1257	205	160	1735	2500	3739	-773	1034
2 1930 Regional Report Surplus Deficit	375	116	1376	2823	2194	-128	-3763	-519	0.56	1555	3403	2187	-112	939	644
3 1931 Regional Report Surplus Deficit	949	98.0	1018	2871	2492	-121	-3284	-2652	-431	-720	-2810	3595	-169	897	269
4 1932 Regional Report Surplus Deficit	-78.4	-978	553	2749	1771	-101	-2685	-2741	3009	7862	8738	8772	9238	4418	2749
5 1933 Regional Report Surplus Deficit	1312	2143	1699	3260	3673	1254	4169	4293	4486	3341	3445	5988	10451	8936	4442
6 1934 Regional Report Surplus Deficit	4784	3538	2119	5115	8524	8658	9760	8744	8807	10531	8413	7387	6452	1730	6727
7 1935 Regional Report Surplus Deficit	61.0	-258	564	3236	3297	-125	3855	3977	4314	648	3219	5185	5667	4469	3016
8 1936 Regional Report Surplus Deficit	2984	783	868	2719	2138	-179	-3343	-1184	622	2077	6662	8413	8623	1881	2240
9 1937 Regional Report Surplus Deficit	430	0.78	744	2503	2216	49.0	-3512	-2240	-237	986	-2039	3392	3291	-258	481
10 1938 Regional Report Surplus Deficit	1299	405	1034	3108	2456	1226	3117	3178	5350	6385	9965	8480	6786	4153	3991
11 1939 Regional Report Surplus Deficit	689	-4.01	1522	3225	2122	59.9	519	537	1311	3483	5920	5861	2549	1078	1989
12 1940 Regional Report Surplus Deficit	606	-64.0	1030	3347	3262	389	-420	-249	7525	3920	4011	5325	2089	213	2244
13 1941 Regional Report Surplus Deficit	-575	-883	810	2762	2329	-238	-1760	-846	769	-522	215	3423	2015	1031	792
14 1942 Regional Report Surplus Deficit	-174	-389	1581	3031	3400	2399	1413	-152	3594	1619	4088	4425	5474	5570	2793
15 1943 Regional Report Surplus Deficit	1924	1509	2461	2744	2565	447	4538	4593	5311	11634	10133	7339	10702	9001	5180
16 1944 Regional Report Surplus Deficit	2072	1409	1360	3134	2761	383	-1740	-684	-374	206	1384	1130	-1052	-7.61	627
17 1945 Regional Report Surplus Deficit	-137	-836	691	2836	1952	-199	-2749	-1327	-15.0	190	-1964	6191	7460	-221	1110
18 1946 Regional Report Surplus Deficit	1065	-218	463	3044	3415	1398	2550	1509	5991	7899	10044	9304	6852	6257	4193
19 1947 Regional Report Surplus Deficit	3126	2950	1910	3073	4292	6095	6260	6528	6935	6386	5837	7912	7245	4732	5339
20 1948 Regional Report Surplus Deficit	2796	2744	1576	7813	6982	2990	5689	4136	4243	4637	7650	10153	10872	7225	5892
21 1949 Regional Report Surplus Deficit	5454	4825	2707	3692	3881	490	1516	528	7290	5851	9324	9553	8329	658	4296
22 1950 Regional Report Surplus Deficit	-105	-584	692	3238	3068	951	5963	6083	8897	8851	7751	8162	11092	9806	5483
23 1951 Regional Report Surplus Deficit	4527	3749	2281	5594	8173	6917	9147	9846	9821	9769	8678	8932	7645	7540	7424
24 1952 Regional Report Surplus Deficit	3685	2409	2099	7095	5743	3411	5294	5022	5196	8337	10582	10081	8236	4503	5763
25 1953 Regional Report Surplus Deficit	2774	2469	747	2792	2250	150	22.3	4367	4300	2506	3421	7855	10947	6055	3745
26 1954 Regional Report Surplus Deficit	2155	1939	1847	3584	4632	2532	4738	7050	7089	5652	5820	7984	9829	9864	5566
27 1955 Regional Report Surplus Deficit	6475	6654	5823	3899	6014	1982	-14.4	1027	703	2086	1977	5240	10687	9439	4460
28 1956 Regional Report Surplus Deficit	5192	3045	1525	4886	7265	6340	8542	8423	8715	8594	10951	10170	11223	7957	7400
29 1957 Regional Report Surplus Deficit	4285	3967	2124	4335	3958	2853	2384	713	6114	7991	5226	10337	10744	3658	4851
30 1958 Regional Report Surplus Deficit	2335	663	1359	3046	2889	815	3339	3534	5053	4544	7104	9844	9230	2613	4081
31 1959 Regional Report Surplus Deficit	1736	500	1114	3328	5573	5113	7368	7270	7255	7346	5318	7815	9674	8636	5872
32 1960 Regional Report Surplus Deficit	4841	3333	6533	9540	8836	4436	3825	4037	4449	12006	7412	6119	8438	4430	6196
33 1961 Regional Report Surplus Deficit	2295	1378	1193	3391	4064	977	3635	4953	7853	5692	3725	8232	9893	3487	4508
34 1962 Regional Report Surplus Deficit	2280	893	1080	2959	3196	470	2692	3084	1348	8975	10319	7823	6489	3128	3612
35 1963 Regional Report Surplus Deficit	2029	1769	1078	4203	6057	4300	3939	4259	3904	2082	3025	6189	7457	3816	4135
36 1964 Regional Report Surplus Deficit	1744	881	2080	3139	3601	919	1005	1324	1778	6245	2668	6856	10899	9148	3881
37 1965 Regional Report Surplus Deficit	4827	4158	3375	4847	4930	6620	10262	9894	8770	5046	10301	9420	8352	4319	6896
38 1966 Regional Report Surplus Deficit	4087	4083	1485	3900	4066	1346	2019	2083	2350	9262	5207	4742	6358	4574	3688
39 1967 Regional Report Surplus Deficit	1847	1107	1464	2868	3181	2132	6759	6735	6573	3981	714	6097	10779	8102	4864
40 1968 Regional Report Surplus Deficit	3147	2822	1932	4066	4796	1609	3911	5858	6174	1353	1597	3913	8984	5693	4269
41 1969 Regional Report Surplus Deficit	3340	4284	4448	5514	7017	3486	8706	6649	6266	9347	10273	10119	8733	5024	6624
42 1970 Regional Report Surplus Deficit	2846	1837	1668	3411	3589	209	3082	3107	3623	2283	2212	7031	9542	2322	3508
43 1971 Regional Report Surplus Deficit	1741	556	1166	2984	3104	1202	8433	9737	10084	8411	8759	9953	11228	8047	6278
44 1972 Regional Report Surplus Deficit	5107	5426	2482	4285	4400	2225	7618	9573	12574	12538	7253	9848	10869	9301	7348
45 1973 Regional Report Surplus Deficit	6059	5993	3053	4115	4086	1958	2689	442	1507	198	956	3656	1837	489	2555
46 1974 Regional Report Surplus Deficit	327	-420	1017	3090	3645	3518	11230	11218	11194	10119	10150	9567	11342	10162	7144
47 1975 Regional Report Surplus Deficit	5574	5853	2694	3095	3138	1069	3999	3983	4856	2702	2610	8423	10441	9023	4934
48 1976 Regional Report Surplus Deficit	4092	4417	2919	5734	7740	8352	8110	7520	8254	9451	8432	10009	8850	8386	7425
49 1977 Regional Report Surplus Deficit	6946	7578	7107	3923	2991	150	-1431	-461	140	258	365	996	-2165	-672	1524
50 1978 Regional Report Surplus Deficit	-223	-720	-249	2271	1755	2873	2492	2962	2964	8438	5683	8483	5748	4745	3387
51 1979 Regional Report Surplus Deficit	1675	1066	4247	3928	3514	-156	-770	677	4541	1630	3235	7125	4986	-72.3	2655
52 1980 Regional Report Surplus Deficit	-426	-122	1268	2761	2293	-265	857	104	1647	3172	7010	9897	8953	2208	2885
53 1981 Regional Report Surplus Deficit	280	-394	1710	3095	3517	4886	5904	5791	4761	137	3025	6430	10079	6531	4511
54 1982 Regional Report Surplus Deficit	4415	3376	1865	3443	4404	1715	4677	10323	10827	8508	6394	9003	10405	9540	6433

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2026**

**2015 White Book** Report Date: **6/30/2015** *Continued*

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Energy-aMW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55 1983 Regional Report Surplus Deficit	4557	5015	3931	5157	4688	2922	6470	6953	9867	6606	5782	8143	9000	7180	6272
56 1984 Regional Report Surplus Deficit	4909	4657	2567	3761	8103	3220	5453	5607	6101	8718	8866	7868	10149	6648	6077
57 1985 Regional Report Surplus Deficit	3693	1795	2679	3865	5131	1228	1679	1464	1993	5022	7630	8343	5873	-1464	3316
58 1986 Regional Report Surplus Deficit	-1107	-1067	1506	3927	6029	1414	3994	6246	11070	9822	9220	6490	7587	2625	4919
59 1987 Regional Report Surplus Deficit	1182	467	1102	3034	3855	1498	256	-438	4540	898	2855	5818	4134	65.3	2229
60 1988 Regional Report Surplus Deficit	-350	-1047	717	2628	1905	-514	-1904	-2691	314	717	2401	3304	1968	1025	651
61 1989 Regional Report Surplus Deficit	789	97.0	713	2746	3268	337	-836	-1922	3033	4421	8999	6299	5238	1374	2299
62 1990 Regional Report Surplus Deficit	356	-126	1045	2910	4521	2798	3162	5956	6040	4338	8339	6132	8820	4107	4305
63 1991 Regional Report Surplus Deficit	3332	2520	1318	2939	8014	3463	6089	5787	5264	6615	4595	6864	8046	8216	5369
64 1992 Regional Report Surplus Deficit	4541	3395	1191	2701	3021	-330	-826	-299	4464	241	524	2873	25.1	-655	1391
65 1993 Regional Report Surplus Deficit	-466	-905	391	2683	2574	-617	-3226	-2937	1774	2522	2213	6926	5781	2093	1448
66 1994 Regional Report Surplus Deficit	1796	665	1689	2890	2744	51.2	-2588	-1610	2475	478	2512	3723	3729	614	1382
67 1995 Regional Report Surplus Deficit	353	-634	1044	2768	1847	600	864	2834	3396	5275	2916	6860	9111	3072	3018
68 1996 Regional Report Surplus Deficit	1277	750	1869	4674	9619	10382	10578	11678	12252	9290	11225	9190	9155	8217	8217
69 1997 Regional Report Surplus Deficit	4247	3640	1967	3419	4686	3585	10965	10960	11294	10214	11166	10158	11054	9413	7656
70 1998 Regional Report Surplus Deficit	4871	5517	4414	8556	6804	1702	2277	3923	3866	2273	4802	9627	10231	4381	5380
71 1999 Regional Report Surplus Deficit	3366	2433	1513	3047	3244	2830	7731	7970	9979	6705	8352	7712	10182	9282	6149
72 2000 Regional Report Surplus Deficit	6531	5809	2762	3551	8308	4520	3667	4054	4447	8373	9792	8086	4309	3519	5205
73 2001 Regional Report Surplus Deficit	2073	132	922	3083	2175	-97.3	-2096	-1195	175	612	565	2302	-2593	-53.3	371
74 2002 Regional Report Surplus Deficit	-357	-1051	309	1394	1131	432	-818	-511	1108	3491	7792	5985	9767	6939	2562
75 2003 Regional Report Surplus Deficit	679	437	1030	2749	2676	93.8	-2296	-397	4790	3037	3803	5375	7127	660	2154
76 2004 Regional Report Surplus Deficit	-246	-758	527	3436	4567	190	-36.3	-1340	2317	2015	2920	4951	4549	1177	1872
77 2005 Regional Report Surplus Deficit	-597	143	2906	3721	3781	1687	1665	2014	1254	459	2010	5457	5111	1745	2526
78 2006 Regional Report Surplus Deficit	715	-239	894	2735	3384	1220	4544	4410	5611	8378	9453	9116	9814	3268	4498
79 2007 Regional Report Surplus Deficit	1935	-606	503	2502	4377	1812	3737	3256	7089	7194	4584	6760	4592	3623	3733
80 2008 Regional Report Surplus Deficit	635	-537	842	2795	3252	-384	-102	27.6	1897	2576	178	7921	10830	5281	2823
<b>Ranked Averages</b>															
81 <b>Bottom 10 pct</b>	<b>791</b>	<b>141</b>	<b>1032</b>	<b>2901</b>	<b>2341</b>	<b>-60.3</b>	<b>-2497</b>	<b>-1511</b>	<b>52.7</b>	<b>374</b>	<b>607</b>	<b>2729</b>	<b>886</b>	<b>350</b>	<b>609</b>
82 <b>Middle 80 pct</b>	<b>2266</b>	<b>1668</b>	<b>1833</b>	<b>3606</b>	<b>4068</b>	<b>1666</b>	<b>2665</b>	<b>3033</b>	<b>4709</b>	<b>4967</b>	<b>5406</b>	<b>7125</b>	<b>7692</b>	<b>4344</b>	<b>3991</b>
83 <b>Top 10 pct</b>	<b>3700</b>	<b>3096</b>	<b>2179</b>	<b>4566</b>	<b>6307</b>	<b>5992</b>	<b>9556</b>	<b>9889</b>	<b>10359</b>	<b>9377</b>	<b>9770</b>	<b>9662</b>	<b>9811</b>	<b>8162</b>	<b>7439</b>

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