

# 2017 Pacific Northwest Loads and Resources Study

## Technical Appendix, Volume 2: Capacity Analysis

December 2017





**2017 PACIFIC NORTHWEST LOADS AND RESOURCES STUDY**  
***The White Book***

**TECHNICAL APPENDIX**

**Volume 2**

**Capacity Analysis**

**BONNEVILLE POWER ADMINISTRATION**  
**December 2017**

**Cover Picture:**

Hungry Horse Dam is on the South Fork of the Flathead River, 15 miles south of the west entrance to Glacier National Park and 20 miles northeast of Kalispell, Montana.

The dam site is a deep, narrow canyon about five miles southeast of the South Fork's confluence with the main Flathead River. The [Hungry Horse Project](#) is in the Flathead National Forest, Flathead County, Montana.

The 564-foot-high dam is a variable-thickness concrete arch structure with a crest length of 2,115 ft. The dam and appurtenant works contain 3,086,200 cubic yards of concrete. The spillway is the highest morning-glory structure in the world. Water cascading over the spillway rim drops a maximum distance of 490 feet. The capacity of the spillway is 50,000 cubic feet per second, and the reservoir has a total capacity of 3,468,000 acre-feet.

Power generating facilities are housed in a building with a structural steel framework surmounting a reinforced concrete substructure 394 feet long, 76 feet wide, and 157 feet high, constructed across the river channel at the downstream toe of the dam and four generators 107 MW each for a total plant capacity of 428 MW.

In 1995, a selective withdrawal system was installed on all four unit penstock intakes. This selective withdrawal system is used from the first of June to the end of September to increase the water discharge temperature to reduce the thermal shock for downstream fisheries and increasing aquatic insect communities for Bull Trout growth and reproduction.

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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: Monthly Capacity  
(Common Tables)  
Operating Year 2019 to 2028**

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***Exhibit 1***  
***Regional Total Retail Loads***

***Monthly Capacity***  
***Operating Year 2019 to 2028***  
***Using 1937-Water Conditions***

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**Table A-1: Regional: Total Retail Loads**  
**Operating Year 2019**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Loads</b>														
1 Federal Agency	144	144	140	162	197	221	221	204	185	160	160	149	153	161
2 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
3 Cooperative	2795	2795	2578	2586	2955	3334	3318	3144	2855	2813	2813	2756	2812	2982
4 Municipality	3230	3230	3081	3430	3888	4296	4314	4125	3771	3494	3494	3127	3087	3246
5 Public Utility District	5917	5917	5561	6051	6928	7624	7663	7225	6727	6308	6308	5758	5641	5915
6 Investor-Owned Utility	18364	18364	16028	15447	17642	18860	18514	17870	16223	15408	15408	15526	17140	18563
7 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
8 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
<b>9 Total Firm Loads</b>	<b>31486</b>	<b>31486</b>	<b>28347</b>	<b>28512</b>	<b>32289</b>	<b>35131</b>	<b>34756</b>	<b>33295</b>	<b>30576</b>	<b>29065</b>	<b>29065</b>	<b>28284</b>	<b>29842</b>	<b>31917</b>
<b>Non-Firm Loads</b>														
10 Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
<b>11 Total Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14.0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4.00</b>	<b>23.0</b>	<b>54.0</b>	<b>34.0</b>	<b>34.0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Regional Loads (Firm+Non-Firm)</b>														
12 Federal Agency	144	144	140	162	197	221	221	204	185	160	160	149	153	161
13 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
14 Cooperative	2795	2795	2578	2586	2955	3334	3318	3144	2855	2813	2813	2756	2812	2982
15 Municipality	3230	3230	3081	3430	3888	4296	4314	4125	3771	3494	3494	3127	3087	3246
16 Public Utility District	5917	5917	5575	6051	6928	7624	7667	7248	6781	6342	6342	5758	5641	5915
17 Investor-Owned Utility	18364	18364	16028	15447	17642	18860	18514	17870	16223	15408	15408	15526	17140	18563
18 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
19 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
<b>20 Total Loads</b>	<b>31486</b>	<b>31486</b>	<b>28361</b>	<b>28512</b>	<b>32289</b>	<b>35131</b>	<b>34760</b>	<b>33318</b>	<b>30630</b>	<b>29099</b>	<b>29099</b>	<b>28284</b>	<b>29842</b>	<b>31917</b>

**Table A-1: Regional: Total Retail Loads**  
**Operating Year 2020**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Loads</b>														
1 Federal Agency	153	153	148	168	207	231	233	214	194	167	167	155	159	168
2 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
3 Cooperative	2878	2878	2669	2678	3049	3430	3411	3239	2946	2909	2909	2853	2905	3071
4 Municipality	3252	3252	3101	3452	3915	4325	4386	4200	3848	3572	3572	3203	3161	3320
5 Public Utility District	5919	5919	5556	6111	6997	7700	7740	7243	6796	6374	6374	5826	5703	5978
6 Investor-Owned Utility	18527	18527	16170	15580	17775	18999	18652	17653	16359	15541	15541	15664	17298	18734
7 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
8 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
<b>9 Total Firm Loads</b>	<b>31766</b>	<b>31766</b>	<b>28604</b>	<b>28825</b>	<b>32620</b>	<b>35480</b>	<b>35149</b>	<b>33276</b>	<b>30959</b>	<b>29444</b>	<b>29444</b>	<b>28669</b>	<b>30237</b>	<b>32322</b>
<b>Non-Firm Loads</b>														
10 Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
<b>11 Total Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14.0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4.00</b>	<b>23.0</b>	<b>54.0</b>	<b>34.0</b>	<b>34.0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Regional Loads (Firm+Non-Firm)</b>														
12 Federal Agency	153	153	148	168	207	231	233	214	194	167	167	155	159	168
13 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
14 Cooperative	2878	2878	2669	2678	3049	3430	3411	3239	2946	2909	2909	2853	2905	3071
15 Municipality	3252	3252	3101	3452	3915	4325	4386	4200	3848	3572	3572	3203	3161	3320
16 Public Utility District	5919	5919	5570	6111	6997	7700	7744	7266	6850	6408	6408	5826	5703	5978
17 Investor-Owned Utility	18527	18527	16170	15580	17775	18999	18652	17653	16359	15541	15541	15664	17298	18734
18 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
19 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
<b>20 Total Loads</b>	<b>31766</b>	<b>31766</b>	<b>28618</b>	<b>28825</b>	<b>32620</b>	<b>35480</b>	<b>35153</b>	<b>33299</b>	<b>31013</b>	<b>29478</b>	<b>29478</b>	<b>28669</b>	<b>30237</b>	<b>32322</b>

**Table A-1: Regional: Total Retail Loads**  
**Operating Year 2021**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Loads</b>														
1 Federal Agency	160	160	153	169	208	233	234	216	195	168	168	156	160	169
2 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
3 Cooperative	2967	2967	2767	2775	3143	3525	3507	3330	3041	3004	3004	2948	2993	3159
4 Municipality	3331	3331	3186	3525	3989	4397	4398	4208	3858	3580	3580	3211	3169	3328
5 Public Utility District	5985	5985	5621	6175	7066	7775	7801	7357	6853	6427	6427	5883	5760	6036
6 Investor-Owned Utility	18691	18691	16315	15713	17912	19142	18777	18134	16480	15657	15657	15786	17439	18886
7 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
8 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
<b>9 Total Firm Loads</b>	<b>32171</b>	<b>32171</b>	<b>29002</b>	<b>29192</b>	<b>32996</b>	<b>35866</b>	<b>35443</b>	<b>33973</b>	<b>31243</b>	<b>29717</b>	<b>29717</b>	<b>28951</b>	<b>30530</b>	<b>32629</b>
<b>Non-Firm Loads</b>														
10 Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
<b>11 Total Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14.0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4.00</b>	<b>23.0</b>	<b>54.0</b>	<b>34.0</b>	<b>34.0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Regional Loads (Firm+Non-Firm)</b>														
12 Federal Agency	160	160	153	169	208	233	234	216	195	168	168	156	160	169
13 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
14 Cooperative	2967	2967	2767	2775	3143	3525	3507	3330	3041	3004	3004	2948	2993	3159
15 Municipality	3331	3331	3186	3525	3989	4397	4398	4208	3858	3580	3580	3211	3169	3328
16 Public Utility District	5985	5985	5635	6175	7066	7775	7805	7380	6907	6461	6461	5883	5760	6036
17 Investor-Owned Utility	18691	18691	16315	15713	17912	19142	18777	18134	16480	15657	15657	15786	17439	18886
18 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
19 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
<b>20 Total Loads</b>	<b>32171</b>	<b>32171</b>	<b>29016</b>	<b>29192</b>	<b>32996</b>	<b>35866</b>	<b>35447</b>	<b>33996</b>	<b>31297</b>	<b>29751</b>	<b>29751</b>	<b>28951</b>	<b>30530</b>	<b>32629</b>

**Table A-1: Regional: Total Retail Loads**  
**Operating Year 2022**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Loads</b>														
1 Federal Agency	161	161	154	170	208	233	235	213	196	169	169	157	161	170
2 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
3 Cooperative	3055	3055	2862	2870	3238	3621	3603	3398	3136	3086	3086	3039	3076	3243
4 Municipality	3339	3339	3193	3533	3999	4408	4407	4219	3867	3588	3588	3218	3177	3337
5 Public Utility District	6043	6043	5676	6230	7126	7840	7865	7414	6909	6484	6484	5935	5812	6091
6 Investor-Owned Utility	18839	18839	16445	15829	18028	19264	18898	18254	16597	15771	15771	15903	17574	19036
7 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
8 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
<b>9 Total Firm Loads</b>	<b>32473</b>	<b>32473</b>	<b>29290</b>	<b>29468</b>	<b>33278</b>	<b>36160</b>	<b>35735</b>	<b>34226</b>	<b>31521</b>	<b>29978</b>	<b>29978</b>	<b>29220</b>	<b>30809</b>	<b>32925</b>
<b>Non-Firm Loads</b>														
10 Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
<b>11 Total Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14.0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4.00</b>	<b>23.0</b>	<b>54.0</b>	<b>34.0</b>	<b>34.0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Regional Loads (Firm+Non-Firm)</b>														
12 Federal Agency	161	161	154	170	208	233	235	213	196	169	169	157	161	170
13 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
14 Cooperative	3055	3055	2862	2870	3238	3621	3603	3398	3136	3086	3086	3039	3076	3243
15 Municipality	3339	3339	3193	3533	3999	4408	4407	4219	3867	3588	3588	3218	3177	3337
16 Public Utility District	6043	6043	5690	6230	7126	7840	7869	7437	6963	6518	6518	5935	5812	6091
17 Investor-Owned Utility	18839	18839	16445	15829	18028	19264	18898	18254	16597	15771	15771	15903	17574	19036
18 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
19 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
<b>20 Total Loads</b>	<b>32473</b>	<b>32473</b>	<b>29304</b>	<b>29468</b>	<b>33278</b>	<b>36160</b>	<b>35739</b>	<b>34249</b>	<b>31575</b>	<b>30012</b>	<b>30012</b>	<b>29220</b>	<b>30809</b>	<b>32925</b>

**Table A-1: Regional: Total Retail Loads**  
**Operating Year 2023**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Loads</b>														
1 Federal Agency	161	161	155	169	207	232	234	215	195	168	168	156	160	169
2 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
3 Cooperative	3137	3137	2953	2961	3329	3703	3686	3505	3227	3167	3167	3125	3160	3327
4 Municipality	3349	3349	3201	3541	4008	4418	4419	4231	3877	3596	3596	3226	3185	3346
5 Public Utility District	6096	6096	5725	6282	7182	7900	7932	7477	6969	6541	6541	5991	5869	6149
6 Investor-Owned Utility	18987	18987	16571	15943	18144	19381	19017	18369	16711	15883	15883	16020	17708	19182
7 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
8 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
<b>9 Total Firm Loads</b>	<b>32767</b>	<b>32767</b>	<b>29566</b>	<b>29732</b>	<b>33549</b>	<b>36429</b>	<b>36013</b>	<b>34525</b>	<b>31794</b>	<b>30237</b>	<b>30237</b>	<b>29486</b>	<b>31091</b>	<b>33222</b>
<b>Non-Firm Loads</b>														
10 Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
<b>11 Total Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14.0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4.00</b>	<b>23.0</b>	<b>54.0</b>	<b>34.0</b>	<b>34.0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Regional Loads (Firm+Non-Firm)</b>														
12 Federal Agency	161	161	155	169	207	232	234	215	195	168	168	156	160	169
13 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
14 Cooperative	3137	3137	2953	2961	3329	3703	3686	3505	3227	3167	3167	3125	3160	3327
15 Municipality	3349	3349	3201	3541	4008	4418	4419	4231	3877	3596	3596	3226	3185	3346
16 Public Utility District	6096	6096	5739	6282	7182	7900	7936	7500	7023	6575	6575	5991	5869	6149
17 Investor-Owned Utility	18987	18987	16571	15943	18144	19381	19017	18369	16711	15883	15883	16020	17708	19182
18 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
19 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
<b>20 Total Loads</b>	<b>32767</b>	<b>32767</b>	<b>29580</b>	<b>29732</b>	<b>33549</b>	<b>36429</b>	<b>36017</b>	<b>34548</b>	<b>31848</b>	<b>30271</b>	<b>30271</b>	<b>29486</b>	<b>31091</b>	<b>33222</b>



**Table A-1: Regional: Total Retail Loads**  
**Operating Year 2024**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Loads</b>														
1 Federal Agency	161	161	154	170	208	233	234	216	195	168	168	157	160	169
2 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
3 Cooperative	3220	3220	3035	3051	3419	3786	3768	3577	3311	3246	3246	3204	3237	3403
4 Municipality	3358	3358	3210	3551	4020	4429	4431	4243	3888	3606	3606	3235	3195	3357
5 Public Utility District	6145	6145	5772	6331	7237	7959	7990	7479	7022	6592	6592	6041	5918	6199
6 Investor-Owned Utility	19128	19128	16695	16053	18257	19498	19132	18118	16825	15991	15991	16132	17839	19325
7 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
8 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
<b>9 Total Firm Loads</b>	<b>33048</b>	<b>33048</b>	<b>29826</b>	<b>29992</b>	<b>33819</b>	<b>36699</b>	<b>36281</b>	<b>34360</b>	<b>32057</b>	<b>30484</b>	<b>30484</b>	<b>29736</b>	<b>31360</b>	<b>33504</b>
<b>Non-Firm Loads</b>														
10 Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
<b>11 Total Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14.0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4.00</b>	<b>23.0</b>	<b>54.0</b>	<b>34.0</b>	<b>34.0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Regional Loads (Firm+Non-Firm)</b>														
12 Federal Agency	161	161	154	170	208	233	234	216	195	168	168	157	160	169
13 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
14 Cooperative	3220	3220	3035	3051	3419	3786	3768	3577	3311	3246	3246	3204	3237	3403
15 Municipality	3358	3358	3210	3551	4020	4429	4431	4243	3888	3606	3606	3235	3195	3357
16 Public Utility District	6145	6145	5786	6331	7237	7959	7994	7502	7076	6626	6626	6041	5918	6199
17 Investor-Owned Utility	19128	19128	16695	16053	18257	19498	19132	18118	16825	15991	15991	16132	17839	19325
18 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
19 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
<b>20 Total Loads</b>	<b>33048</b>	<b>33048</b>	<b>29840</b>	<b>29992</b>	<b>33819</b>	<b>36699</b>	<b>36285</b>	<b>34383</b>	<b>32111</b>	<b>30518</b>	<b>30518</b>	<b>29736</b>	<b>31360</b>	<b>33504</b>

**Table A-1: Regional: Total Retail Loads**  
**Operating Year 2025**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Loads</b>														
1 Federal Agency	161	161	155	171	210	235	237	218	197	170	170	158	162	171
2 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
3 Cooperative	3294	3294	3107	3121	3491	3852	3831	3646	3369	3304	3304	3259	3290	3453
4 Municipality	3367	3367	3220	3560	4031	4442	4444	4254	3900	3617	3617	3245	3205	3367
5 Public Utility District	6192	6192	5817	6378	7288	8014	8041	7581	7067	6633	6633	6085	5962	6243
6 Investor-Owned Utility	19270	19270	16815	16161	18367	19609	19231	18582	16918	16082	16082	16229	17956	19455
7 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
8 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
<b>9 Total Firm Loads</b>	<b>33321</b>	<b>33321</b>	<b>30073</b>	<b>30228</b>	<b>34066</b>	<b>36947</b>	<b>36511</b>	<b>35009</b>	<b>32267</b>	<b>30687</b>	<b>30687</b>	<b>29943</b>	<b>31584</b>	<b>33739</b>
<b>Non-Firm Loads</b>														
10 Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
<b>11 Total Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14.0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4.00</b>	<b>23.0</b>	<b>54.0</b>	<b>34.0</b>	<b>34.0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Regional Loads (Firm+Non-Firm)</b>														
12 Federal Agency	161	161	155	171	210	235	237	218	197	170	170	158	162	171
13 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
14 Cooperative	3294	3294	3107	3121	3491	3852	3831	3646	3369	3304	3304	3259	3290	3453
15 Municipality	3367	3367	3220	3560	4031	4442	4444	4254	3900	3617	3617	3245	3205	3367
16 Public Utility District	6192	6192	5831	6378	7288	8014	8045	7604	7121	6667	6667	6085	5962	6243
17 Investor-Owned Utility	19270	19270	16815	16161	18367	19609	19231	18582	16918	16082	16082	16229	17956	19455
18 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
19 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
<b>20 Total Loads</b>	<b>33321</b>	<b>33321</b>	<b>30087</b>	<b>30228</b>	<b>34066</b>	<b>36947</b>	<b>36515</b>	<b>35032</b>	<b>32321</b>	<b>30721</b>	<b>30721</b>	<b>29943</b>	<b>31584</b>	<b>33739</b>

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

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Loads</b>														
1 Federal Agency	163	163	156	173	212	237	239	217	200	172	172	160	163	173
2 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
3 Cooperative	3341	3341	3150	3150	3512	3890	3857	3648	3383	3326	3326	3279	3313	3477
4 Municipality	3378	3378	3230	3571	4044	4456	4458	4269	3913	3628	3628	3256	3216	3379
5 Public Utility District	6234	6234	5856	6417	7330	8058	8087	7623	7107	6672	6672	6117	5992	6274
6 Investor-Owned Utility	19392	19392	16921	16258	18466	19709	19326	18675	17010	16169	16169	16323	18069	19580
7 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
8 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
<b>9 Total Firm Loads</b>	<b>33545</b>	<b>33545</b>	<b>30273</b>	<b>30404</b>	<b>34243</b>	<b>37144</b>	<b>36694</b>	<b>35160</b>	<b>32429</b>	<b>30848</b>	<b>30848</b>	<b>30101</b>	<b>31762</b>	<b>33933</b>
<b>Non-Firm Loads</b>														
10 Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
<b>11 Total Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14.0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4.00</b>	<b>23.0</b>	<b>54.0</b>	<b>34.0</b>	<b>34.0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Regional Loads (Firm+Non-Firm)</b>														
12 Federal Agency	163	163	156	173	212	237	239	217	200	172	172	160	163	173
13 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
14 Cooperative	3341	3341	3150	3150	3512	3890	3857	3648	3383	3326	3326	3279	3313	3477
15 Municipality	3378	3378	3230	3571	4044	4456	4458	4269	3913	3628	3628	3256	3216	3379
16 Public Utility District	6234	6234	5870	6417	7330	8058	8091	7646	7161	6706	6706	6117	5992	6274
17 Investor-Owned Utility	19392	19392	16921	16258	18466	19709	19326	18675	17010	16169	16169	16323	18069	19580
18 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
19 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
<b>20 Total Loads</b>	<b>33545</b>	<b>33545</b>	<b>30287</b>	<b>30404</b>	<b>34243</b>	<b>37144</b>	<b>36698</b>	<b>35183</b>	<b>32483</b>	<b>30882</b>	<b>30882</b>	<b>30101</b>	<b>31762</b>	<b>33933</b>

**Table A-1: Regional: Total Retail Loads**  
**Operating Year 2027**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Loads</b>														
1 Federal Agency	164	164	157	173	213	238	240	222	200	172	172	160	164	173
2 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
3 Cooperative	3364	3364	3164	3164	3526	3908	3880	3696	3398	3347	3347	3293	3336	3501
4 Municipality	3391	3391	3241	3607	4112	4472	4478	4285	3929	3632	3632	3150	3212	3426
5 Public Utility District	6263	6263	5883	6511	7369	8089	8133	7670	7146	6747	6747	6119	6022	6341
6 Investor-Owned Utility	19515	19515	17023	16347	18558	19804	19431	18775	17109	16266	16266	16426	18190	19717
7 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
8 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
<b>9 Total Firm Loads</b>	<b>33734</b>	<b>33734</b>	<b>30429</b>	<b>30637</b>	<b>34456</b>	<b>37305</b>	<b>36889</b>	<b>35374</b>	<b>32599</b>	<b>31047</b>	<b>31047</b>	<b>30115</b>	<b>31934</b>	<b>34208</b>
<b>Non-Firm Loads</b>														
10 Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
<b>11 Total Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14.0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4.00</b>	<b>23.0</b>	<b>54.0</b>	<b>34.0</b>	<b>34.0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Regional Loads (Firm+Non-Firm)</b>														
12 Federal Agency	164	164	157	173	213	238	240	222	200	172	172	160	164	173
13 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
14 Cooperative	3364	3364	3164	3164	3526	3908	3880	3696	3398	3347	3347	3293	3336	3501
15 Municipality	3391	3391	3241	3607	4112	4472	4478	4285	3929	3632	3632	3150	3212	3426
16 Public Utility District	6263	6263	5897	6511	7369	8089	8137	7693	7200	6781	6781	6119	6022	6341
17 Investor-Owned Utility	19515	19515	17023	16347	18558	19804	19431	18775	17109	16266	16266	16426	18190	19717
18 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
19 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
<b>20 Total Loads</b>	<b>33734</b>	<b>33734</b>	<b>30443</b>	<b>30637</b>	<b>34456</b>	<b>37305</b>	<b>36893</b>	<b>35397</b>	<b>32653</b>	<b>31081</b>	<b>31081</b>	<b>30115</b>	<b>31934</b>	<b>34208</b>

**Table A-1: Regional: Total Retail Loads**  
**Operating Year 2028**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Loads</b>														
1 Federal Agency	165	165	158	174	214	239	241	222	201	173	173	161	164	174
2 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
3 Cooperative	3388	3388	3178	3178	3541	3923	3899	3717	3412	3366	3366	3309	3355	3516
4 Municipality	3414	3414	3218	3617	4123	4483	4492	4299	3942	3644	3644	3162	3225	3439
5 Public Utility District	6333	6333	5945	6541	7399	8122	8165	7702	7174	6774	6774	6144	6047	6367
6 Investor-Owned Utility	19645	19645	17131	16441	18654	19905	19537	18514	17215	16366	16366	16536	18315	19856
7 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
8 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
<b>9 Total Firm Loads</b>	<b>33980</b>	<b>33980</b>	<b>30590</b>	<b>30786</b>	<b>34609</b>	<b>37466</b>	<b>37061</b>	<b>35181</b>	<b>32761</b>	<b>31205</b>	<b>31205</b>	<b>30279</b>	<b>32116</b>	<b>34401</b>
<b>Non-Firm Loads</b>														
10 Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
<b>11 Total Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14.0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4.00</b>	<b>23.0</b>	<b>54.0</b>	<b>34.0</b>	<b>34.0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Regional Loads (Firm+Non-Firm)</b>														
12 Federal Agency	165	165	158	174	214	239	241	222	201	173	173	161	164	174
13 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
14 Cooperative	3388	3388	3178	3178	3541	3923	3899	3717	3412	3366	3366	3309	3355	3516
15 Municipality	3414	3414	3218	3617	4123	4483	4492	4299	3942	3644	3644	3162	3225	3439
16 Public Utility District	6333	6333	5959	6541	7399	8122	8169	7725	7228	6808	6808	6144	6047	6367
17 Investor-Owned Utility	19645	19645	17131	16441	18654	19905	19537	18514	17215	16366	16366	16536	18315	19856
18 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
19 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
<b>20 Total Loads</b>	<b>33980</b>	<b>33980</b>	<b>30604</b>	<b>30786</b>	<b>34609</b>	<b>37466</b>	<b>37065</b>	<b>35204</b>	<b>32815</b>	<b>31239</b>	<b>31239</b>	<b>30279</b>	<b>32116</b>	<b>34401</b>

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***Exhibit 2  
Regional Exports***

***Monthly Capacity  
Operating Year 2019 to 2028  
Using 1937-Water Conditions***

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**Regional Exports  
Operating Year 2019**

**2017 White Book** Report Date: 6/1/2017

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Canada</b>														
<b>Contracts</b>														
1 BPA-P to BCHP Trty CEA	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324
2 BPA-P to BCHP NTSA Del	121	121	0	0	0	0	0	0	0	0	0	0	0	15.5
<b>3 Total Exports to CAN</b>	<b>1445</b>	<b>1445</b>	<b>1324</b>	<b>1324</b>	<b>1324</b>	<b>1324</b>	<b>1324</b>	<b>1324</b>	<b>1324</b>	<b>1324</b>	<b>1324</b>	<b>1324</b>	<b>1324</b>	<b>1340</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
5 BPA-P to Other Entities	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>Inland Southwest</b>														
<b>Transfer Services</b>														
7 UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>8 Total Exports to ISW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>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
10 BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 BPA-P to Other Entities	106	106	90.0	60.0	48.0	40.0	38.0	38.0	13.0	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
13 BPA-P to RVSD SNX Del	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
15 PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
<b>Transfer Services</b>														
16 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 SMUD to SMUD TS PwrP	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



**Regional Exports  
Operating Year 2019**

**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
24 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Intertie Losses	14	14	14	4	3	2.9	2.8	2.8	2.0	1.7	1.9	1.9	11	11
<b>26 Total Exports to PSW</b>	<b>483</b>	<b>483</b>	<b>466</b>	<b>126</b>	<b>106</b>	<b>97.9</b>	<b>95.8</b>	<b>95.8</b>	<b>70.0</b>	<b>56.7</b>	<b>64.7</b>	<b>64.7</b>	<b>374</b>	<b>374</b>
<b>Total Exports</b>														
27 Federal Entities	1554	1554	1417	1386	1374	1366	1363	1363	1338	1324	1324	1324	1324	1340
28 Investor Owned Utilities	307	307	307	6.80	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	301	301
29 Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
30 Municipality	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
<b>31 Total Exports</b>	<b>1924</b>	<b>1924</b>	<b>1787</b>	<b>1456</b>	<b>1430</b>	<b>1422</b>	<b>1419</b>	<b>1419</b>	<b>1394</b>	<b>1380</b>	<b>1388</b>	<b>1388</b>	<b>1688</b>	<b>1704</b>

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Canada</b>														
<b>Contracts</b>														
<sup>1</sup> BPA-P to BCHP Trty CEA	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142
<sup>2</sup> BPA-P to BCHP NTSA Del	121	121	0	0	0	0	0	0	0	0	0	0	0	24.0
<b><sup>3</sup> Total Exports to CAN</b>	<b>1262</b>	<b>1262</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1166</b>
<b>East Continental Divide</b>														
<b>Contracts</b>														
<sup>4</sup> 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
<sup>5</sup> BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b><sup>6</sup> 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>Inland Southwest</b>														
<b>Transfer Services</b>														
<sup>7</sup> UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b><sup>8</sup> Total Exports to ISW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Pacific Southwest</b>														
<b>Contracts</b>														
<sup>9</sup> BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<sup>10</sup> BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<sup>11</sup> BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<sup>12</sup> BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<sup>13</sup> BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<sup>14</sup> 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
<sup>15</sup> PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
<b>Transfer Services</b>														
<sup>16</sup> BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<sup>17</sup> GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<sup>18</sup> LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<sup>19</sup> MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<sup>20</sup> Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<sup>21</sup> PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<sup>22</sup> SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<sup>23</sup> SMUD to SMUD TS PwrP	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

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
24 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Intertie Losses	11	11	11	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.9	1.9	11	11
<b>26 Total Exports to PSW</b>	<b>374</b>	<b>374</b>	<b>374</b>	<b>64.7</b>	<b>56.7</b>	<b>56.7</b>	<b>56.7</b>	<b>56.7</b>	<b>56.7</b>	<b>56.7</b>	<b>64.7</b>	<b>64.7</b>	<b>374</b>	<b>374</b>
<b>Total Exports</b>														
27 Federal Entities	1262	1262	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
28 Investor Owned Utilities	301	301	301	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	301	301
29 Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
30 Municipality	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
<b>31 Total Exports</b>	<b>1626</b>	<b>1626</b>	<b>1505</b>	<b>1205</b>	<b>1198</b>	<b>1198</b>	<b>1198</b>	<b>1198</b>	<b>1198</b>	<b>1198</b>	<b>1205</b>	<b>1205</b>	<b>1505</b>	<b>1529</b>

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Canada</b>														
<b>Contracts</b>														
1 BPA-P to BCHP Trty CEA	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142
2 BPA-P to BCHP NTSA Del	137	137	0	0	0	0	0	0	0	0	0	0	0	24.0
<b>3 Total Exports to CAN</b>	<b>1279</b>	<b>1279</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1166</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
5 BPA-P to Other Entities	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>Inland Southwest</b>														
<b>Transfer Services</b>														
7 UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>8 Total Exports to ISW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>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
10 BPA-P to PASA SNX Del	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
12 BPA-P to RVSD CNX Del	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
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
15 PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
<b>Transfer Services</b>														
16 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 SMUD to SMUD TS PwrP	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

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
24 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Intertie Losses	11	11	11	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.9	1.9	11	11
<b>26 Total Exports to PSW</b>	<b>374</b>	<b>374</b>	<b>374</b>	<b>64.7</b>	<b>56.7</b>	<b>56.7</b>	<b>56.7</b>	<b>56.7</b>	<b>56.7</b>	<b>56.7</b>	<b>64.7</b>	<b>64.7</b>	<b>374</b>	<b>374</b>
<b>Total Exports</b>														
27 Federal Entities	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
28 Investor Owned Utilities	301	301	301	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	301	301
29 Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
30 Municipality	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
<b>31 Total Exports</b>	<b>1642</b>	<b>1642</b>	<b>1505</b>	<b>1205</b>	<b>1198</b>	<b>1198</b>	<b>1198</b>	<b>1198</b>	<b>1198</b>	<b>1198</b>	<b>1205</b>	<b>1205</b>	<b>1505</b>	<b>1529</b>

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Canada</b>														
<b>Contracts</b>														
1 BPA-P to BCHP Trty CEA	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142
2 BPA-P to BCHP NTSA Del	137	137	0	0	0	0	0	0	0	0	0	0	0	24.0
<b>3 Total Exports to CAN</b>	<b>1279</b>	<b>1279</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1166</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
5 BPA-P to Other Entities	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>Inland Southwest</b>														
<b>Transfer Services</b>														
7 UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>8 Total Exports to ISW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>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
10 BPA-P to PASA SNX Del	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
12 BPA-P to RVSD CNX Del	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
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
15 PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transfer Services</b>														
16 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<sup>24</sup> Intertie Losses	0.23	0.23	0.23	0.23	0	0	0	0	0	0	0.23	0.23	0.23	0.23
<sup>25</sup> <b>Total Exports to PSW</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>
<b>Total Exports</b>														
<sup>26</sup> Federal Entities	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
<sup>27</sup> Investor Owned Utilities	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
<sup>28</sup> Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
<sup>29</sup> Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<sup>30</sup> <b>Total Exports</b>	<b>1287</b>	<b>1287</b>	<b>1150</b>	<b>1150</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1150</b>	<b>1150</b>	<b>1150</b>	<b>1174</b>

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Canada</b>														
<b>Contracts</b>														
1 BPA-P to BCHP Trty CEA	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142
2 BPA-P to BCHP NTSA Del	137	137	0	0	0	0	0	0	0	0	0	0	0	24.0
<b>3 Total Exports to CAN</b>	<b>1279</b>	<b>1279</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1166</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
5 BPA-P to Other Entities	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>Inland Southwest</b>														
<b>Transfer Services</b>														
7 UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>8 Total Exports to ISW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>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
10 BPA-P to PASA SNX Del	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
12 BPA-P to RVSD CNX Del	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
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
15 PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transfer Services</b>														
16 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0



**Regional Exports  
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**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<sup>24</sup> Intertie Losses	0.23	0.23	0.23	0.23	0	0	0	0	0	0	0.23	0.23	0.23	0.23
<sup>25</sup> <b>Total Exports to PSW</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>
<b>Total Exports</b>														
<sup>26</sup> Federal Entities	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
<sup>27</sup> Investor Owned Utilities	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
<sup>28</sup> Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
<sup>29</sup> Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<sup>30</sup> <b>Total Exports</b>	<b>1287</b>	<b>1287</b>	<b>1150</b>	<b>1150</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1150</b>	<b>1150</b>	<b>1150</b>	<b>1174</b>

**Regional Exports  
Operating Year 2024**

**2017 White Book** Report Date: 6/1/2017

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Canada</b>														
<b>Contracts</b>														
1 BPA-P to BCHP Trty CEA	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142
2 BPA-P to BCHP NTSA Del	137	137	0	0	0	0	0	0	0	0	0	0	0	24.0
<b>3 Total Exports to CAN</b>	<b>1279</b>	<b>1279</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1166</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
5 BPA-P to Other Entities	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>Inland Southwest</b>														
<b>Transfer Services</b>														
7 UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>8 Total Exports to ISW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>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
10 BPA-P to PASA SNX Del	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
12 BPA-P to RVSD CNX Del	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
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
15 PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transfer Services</b>														
16 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Regional Exports  
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**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<sup>24</sup> Intertie Losses	0.23	0.23	0.23	0.23	0	0	0	0	0	0	0.23	0.23	0.23	0.23
<sup>25</sup> <b>Total Exports to PSW</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>
<b>Total Exports</b>														
<sup>26</sup> Federal Entities	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
<sup>27</sup> Investor Owned Utilities	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
<sup>28</sup> Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
<sup>29</sup> Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<sup>30</sup> <b>Total Exports</b>	<b>1287</b>	<b>1287</b>	<b>1150</b>	<b>1150</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1150</b>	<b>1150</b>	<b>1150</b>	<b>1174</b>

**Regional Exports  
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**2017 White Book** Report Date: 6/1/2017

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Canada</b>														
<b>Contracts</b>														
1 BPA-P to BCHP Trty CEA	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142
2 BPA-P to BCHP NTSA Del	137	137	0	0	0	0	0	0	0	0	0	0	0	24.0
<b>3 Total Exports to CAN</b>	<b>1279</b>	<b>1279</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1166</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
5 BPA-P to Other Entities	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>Inland Southwest</b>														
<b>Transfer Services</b>														
7 UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>8 Total Exports to ISW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>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
10 BPA-P to PASA SNX Del	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
12 BPA-P to RVSD CNX Del	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
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
15 PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transfer Services</b>														
16 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Regional Exports  
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**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<sup>24</sup> Intertie Losses	0.23	0.23	0.23	0.23	0	0	0	0	0	0	0.23	0.23	0.23	0.23
<sup>25</sup> <b>Total Exports to PSW</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>
<b>Total Exports</b>														
<sup>26</sup> Federal Entities	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
<sup>27</sup> Investor Owned Utilities	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
<sup>28</sup> Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
<sup>29</sup> Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<sup>30</sup> <b>Total Exports</b>	<b>1287</b>	<b>1287</b>	<b>1150</b>	<b>1150</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1150</b>	<b>1150</b>	<b>1150</b>	<b>1174</b>

**Regional Exports  
Operating Year 2026**

**2017 White Book** Report Date: 6/1/2017

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Canada</b>														
<b>Contracts</b>														
1 BPA-P to BCHP Trty CEA	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142
2 BPA-P to BCHP NTSA Del	137	137	0	0	0	0	0	0	0	0	0	0	0	24.0
<b>3 Total Exports to CAN</b>	<b>1279</b>	<b>1279</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1166</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
5 BPA-P to Other Entities	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>Inland Southwest</b>														
<b>Transfer Services</b>														
7 UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>8 Total Exports to ISW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>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
10 BPA-P to PASA SNX Del	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
12 BPA-P to RVSD CNX Del	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
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
15 PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transfer Services</b>														
16 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Regional Exports  
Operating Year 2026**

**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<sup>24</sup> Intertie Losses	0.23	0.23	0.23	0.23	0	0	0	0	0	0	0.23	0.23	0.23	0.23
<sup>25</sup> <b>Total Exports to PSW</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>
<b>Total Exports</b>														
<sup>26</sup> Federal Entities	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
<sup>27</sup> Investor Owned Utilities	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
<sup>28</sup> Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
<sup>29</sup> Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<sup>30</sup> <b>Total Exports</b>	<b>1287</b>	<b>1287</b>	<b>1150</b>	<b>1150</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1150</b>	<b>1150</b>	<b>1150</b>	<b>1174</b>

**Regional Exports  
Operating Year 2027**

**2017 White Book** Report Date: 6/1/2017

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Canada</b>														
<b>Contracts</b>														
1 BPA-P to BCHP Trty CEA	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142
2 BPA-P to BCHP NTSA Del	137	137	0	0	0	0	0	0	0	0	0	0	0	24.0
<b>3 Total Exports to CAN</b>	<b>1279</b>	<b>1279</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1166</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
5 BPA-P to Other Entities	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>Inland Southwest</b>														
<b>Transfer Services</b>														
7 UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>8 Total Exports to ISW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>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
10 BPA-P to PASA SNX Del	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
12 BPA-P to RVSD CNX Del	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
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
15 PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transfer Services</b>														
16 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0



**Regional Exports  
Operating Year 2027**

**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<sup>24</sup> Intertie Losses	0.23	0.23	0.23	0.23	0	0	0	0	0	0	0.23	0.23	0.23	0.23
<sup>25</sup> <b>Total Exports to PSW</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>
<b>Total Exports</b>														
<sup>26</sup> Federal Entities	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
<sup>27</sup> Investor Owned Utilities	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
<sup>28</sup> Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
<sup>29</sup> Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<sup>30</sup> <b>Total Exports</b>	<b>1287</b>	<b>1287</b>	<b>1150</b>	<b>1150</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1150</b>	<b>1150</b>	<b>1150</b>	<b>1174</b>

**Regional Exports  
Operating Year 2028**

**2017 White Book** Report Date: 6/1/2017

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Canada</b>														
<b>Contracts</b>														
1 BPA-P to BCHP Trty CEA	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142
2 BPA-P to BCHP NTSA Del	137	137	0	0	0	0	0	0	0	0	0	0	0	24.0
<b>3 Total Exports to CAN</b>	<b>1279</b>	<b>1279</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1142</b>	<b>1166</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
5 BPA-P to Other Entities	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>Inland Southwest</b>														
<b>Transfer Services</b>														
7 UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>8 Total Exports to ISW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>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
10 BPA-P to PASA SNX Del	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
12 BPA-P to RVSD CNX Del	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
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
15 PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Transfer Services</b>														
16 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Regional Exports  
Operating Year 2028**

**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<sup>24</sup> Intertie Losses	0.23	0.23	0.23	0.23	0	0	0	0	0	0	0.23	0.23	0.23	0.23
<sup>25</sup> <b>Total Exports to PSW</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>	<b>8.04</b>
<b>Total Exports</b>														
<sup>26</sup> Federal Entities	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
<sup>27</sup> Investor Owned Utilities	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
<sup>28</sup> Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
<sup>29</sup> Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<sup>30</sup> <b>Total Exports</b>	<b>1287</b>	<b>1287</b>	<b>1150</b>	<b>1150</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1143</b>	<b>1150</b>	<b>1150</b>	<b>1150</b>	<b>1174</b>

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***Exhibit 3  
Regional Imports***

***Monthly Capacity  
Operating Year 2019 to 2028  
Using 1937-Water Conditions***

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**Regional Imports**  
**Operating Year 2019**  
**2017 White Book** Report Date: 6/1/2017  
S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Canada</b>														
<b>Contracts</b>														
1 BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
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
3 Other Entities to PSE	2.83	2.83	2.79	3.48	4.25	4.43	4.95	4.32	4.02	3.70	3.70	3.15	2.60	2.69
<b>4 Total Imports From CAN</b>	<b>146</b>	<b>146</b>	<b>146</b>	<b>147</b>	<b>102</b>	<b>124</b>	<b>155</b>	<b>188</b>	<b>213</b>	<b>147</b>	<b>147</b>	<b>147</b>	<b>146</b>	<b>146</b>
<b>Inland Southwest</b>														
<b>Transfer Services</b>														
5 RMP to RMP TS PwrP	755	755	632	573	569	650	594	593	569	540	540	582	826	903
<b>6 Total Imports From ISW</b>	<b>755</b>	<b>755</b>	<b>632</b>	<b>573</b>	<b>569</b>	<b>650</b>	<b>594</b>	<b>593</b>	<b>569</b>	<b>540</b>	<b>540</b>	<b>582</b>	<b>826</b>	<b>903</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
8 PASA to BPA-P CNX Repl	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
10 RVSD to BPA-P CNX EER	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
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Other Entities to Other Entities	75.0	75.0	75.0	125	125	125	125	125	125	75.0	75.0	75.0	75.0	75.0
14 PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
<b>15 Total Imports From PSW</b>	<b>75.0</b>	<b>75.0</b>	<b>75.0</b>	<b>125</b>	<b>425</b>	<b>425</b>	<b>425</b>	<b>425</b>	<b>125</b>	<b>75.0</b>	<b>75.0</b>	<b>75.0</b>	<b>75.0</b>	<b>75.0</b>
<b>Total Imports</b>														
16 Federal Entities	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	76.0
17 Investor Owned Utilities	758	758	635	576	873	954	899	897	573	544	544	585	829	906
18 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
<b>19 Total Imports</b>	<b>976</b>	<b>976</b>	<b>853</b>	<b>845</b>	<b>1096</b>	<b>1199</b>	<b>1174</b>	<b>1206</b>	<b>907</b>	<b>762</b>	<b>762</b>	<b>804</b>	<b>1047</b>	<b>1124</b>

**Regional Imports**  
**Operating Year 2020**  
**2017 White Book** Report Date: 6/1/2017  
S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Canada</b>														
<b>Contracts</b>														
1 BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
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
3 Other Entities to PSE	2.83	2.83	2.79	3.48	4.25	4.43	4.95	4.32	4.02	3.70	3.70	3.15	2.60	2.69
<b>4 Total Imports From CAN</b>	<b>146</b>	<b>146</b>	<b>146</b>	<b>147</b>	<b>102</b>	<b>124</b>	<b>155</b>	<b>188</b>	<b>213</b>	<b>147</b>	<b>147</b>	<b>147</b>	<b>146</b>	<b>146</b>
<b>Inland Southwest</b>														
<b>Transfer Services</b>														
5 RMP to RMP TS PwrP	763	763	636	576	572	653	597	596	572	543	543	585	835	913
<b>6 Total Imports From ISW</b>	<b>763</b>	<b>763</b>	<b>636</b>	<b>576</b>	<b>572</b>	<b>653</b>	<b>597</b>	<b>596</b>	<b>572</b>	<b>543</b>	<b>543</b>	<b>585</b>	<b>835</b>	<b>913</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
8 PASA to BPA-P CNX Repl	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
10 RVSD to BPA-P CNX EER	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
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Other Entities to Other Entities	75.0	75.0	75.0	125	125	125	125	125	125	75.0	75.0	75.0	75.0	75.0
14 PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
<b>15 Total Imports From PSW</b>	<b>75.0</b>	<b>75.0</b>	<b>75.0</b>	<b>125</b>	<b>425</b>	<b>425</b>	<b>425</b>	<b>425</b>	<b>125</b>	<b>75.0</b>	<b>75.0</b>	<b>75.0</b>	<b>75.0</b>	<b>75.0</b>
<b>Total Imports</b>														
16 Federal Entities	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	76.0
17 Investor Owned Utilities	766	766	639	579	876	957	902	900	576	547	547	588	838	916
18 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
<b>19 Total Imports</b>	<b>984</b>	<b>984</b>	<b>857</b>	<b>848</b>	<b>1099</b>	<b>1202</b>	<b>1177</b>	<b>1209</b>	<b>910</b>	<b>765</b>	<b>765</b>	<b>807</b>	<b>1056</b>	<b>1134</b>

**Regional Imports**  
**Operating Year 2021**  
**2017 White Book** Report Date: 6/1/2017  
S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Canada</b>														
<b>Contracts</b>														
1 BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
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
3 Other Entities to PSE	2.83	2.83	2.79	3.48	4.25	4.43	4.95	4.32	4.02	3.70	3.70	3.15	2.60	2.69
<b>4 Total Imports From CAN</b>	<b>146</b>	<b>146</b>	<b>146</b>	<b>147</b>	<b>102</b>	<b>124</b>	<b>155</b>	<b>188</b>	<b>213</b>	<b>147</b>	<b>147</b>	<b>147</b>	<b>146</b>	<b>146</b>
<b>Inland Southwest</b>														
<b>Transfer Services</b>														
5 RMP to RMP TS PwrP	771	771	640	580	575	657	600	599	576	547	547	589	843	922
<b>6 Total Imports From ISW</b>	<b>771</b>	<b>771</b>	<b>640</b>	<b>580</b>	<b>575</b>	<b>657</b>	<b>600</b>	<b>599</b>	<b>576</b>	<b>547</b>	<b>547</b>	<b>589</b>	<b>843</b>	<b>922</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
8 PASA to BPA-P CNX Repl	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
10 RVSD to BPA-P CNX EER	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
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Other Entities to Other Entities	75.0	75.0	75.0	125	125	125	125	125	125	75.0	75.0	75.0	75.0	0
14 PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
<b>15 Total Imports From PSW</b>	<b>75.0</b>	<b>75.0</b>	<b>75.0</b>	<b>125</b>	<b>425</b>	<b>425</b>	<b>425</b>	<b>425</b>	<b>125</b>	<b>75.0</b>	<b>75.0</b>	<b>75.0</b>	<b>75.0</b>	<b>0</b>
<b>Total Imports</b>														
16 Federal Entities	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	1.00
17 Investor Owned Utilities	774	774	643	583	879	961	905	903	580	551	551	592	846	925
18 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
<b>19 Total Imports</b>	<b>992</b>	<b>992</b>	<b>861</b>	<b>852</b>	<b>1102</b>	<b>1206</b>	<b>1180</b>	<b>1212</b>	<b>914</b>	<b>769</b>	<b>769</b>	<b>811</b>	<b>1064</b>	<b>1068</b>



**Regional Imports**  
**Operating Year 2022**  
**2017 White Book** Report Date: 6/1/2017  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Canada</b>														
<b>Contracts</b>														
1 BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
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
3 Other Entities to PSE	2.83	2.83	2.79	3.48	4.25	4.43	4.95	4.32	4.02	3.70	3.70	3.15	2.60	2.69
<b>4 Total Imports From CAN</b>	<b>146</b>	<b>146</b>	<b>146</b>	<b>147</b>	<b>102</b>	<b>124</b>	<b>155</b>	<b>188</b>	<b>213</b>	<b>147</b>	<b>147</b>	<b>147</b>	<b>146</b>	<b>146</b>
<b>Inland Southwest</b>														
<b>Transfer Services</b>														
5 RMP to RMP TS PwrP	779	779	644	584	578	661	604	603	580	550	550	593	852	932
<b>6 Total Imports From ISW</b>	<b>779</b>	<b>779</b>	<b>644</b>	<b>584</b>	<b>578</b>	<b>661</b>	<b>604</b>	<b>603</b>	<b>580</b>	<b>550</b>	<b>550</b>	<b>593</b>	<b>852</b>	<b>932</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
8 PASA to BPA-P CNX Repl	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
10 RVSD to BPA-P CNX EER	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
12 RVSD to BPA-P SNX Ret	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	300	300	300	300	0	0	0	0	0	0
<b>14 Total Imports From PSW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</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
16 Investor Owned Utilities	782	782	647	587	882	965	909	907	584	554	554	596	855	935
17 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
<b>18 Total Imports</b>	<b>925</b>	<b>925</b>	<b>790</b>	<b>731</b>	<b>980</b>	<b>1085</b>	<b>1059</b>	<b>1091</b>	<b>793</b>	<b>697</b>	<b>697</b>	<b>740</b>	<b>998</b>	<b>1078</b>

**Regional Imports**  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Canada</b>														
<b>Contracts</b>														
1 BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
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
3 Other Entities to PSE	2.83	2.83	2.79	3.48	4.25	4.43	4.95	4.32	4.02	3.70	3.70	3.15	2.60	2.69
<b>4 Total Imports From CAN</b>	<b>146</b>	<b>146</b>	<b>146</b>	<b>147</b>	<b>102</b>	<b>124</b>	<b>155</b>	<b>188</b>	<b>213</b>	<b>147</b>	<b>147</b>	<b>147</b>	<b>146</b>	<b>146</b>
<b>Inland Southwest</b>														
<b>Transfer Services</b>														
5 RMP to RMP TS PwrP	788	788	648	588	581	665	607	606	583	554	554	597	861	942
<b>6 Total Imports From ISW</b>	<b>788</b>	<b>788</b>	<b>648</b>	<b>588</b>	<b>581</b>	<b>665</b>	<b>607</b>	<b>606</b>	<b>583</b>	<b>554</b>	<b>554</b>	<b>597</b>	<b>861</b>	<b>942</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
8 PASA to BPA-P CNX Repl	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
10 RVSD to BPA-P CNX EER	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
12 RVSD to BPA-P SNX Ret	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	300	300	300	300	0	0	0	0	0	0
<b>14 Total Imports From PSW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</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
16 Investor Owned Utilities	791	791	651	591	885	969	912	910	587	558	558	600	864	945
17 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
<b>18 Total Imports</b>	<b>934</b>	<b>934</b>	<b>794</b>	<b>735</b>	<b>983</b>	<b>1089</b>	<b>1062</b>	<b>1094</b>	<b>796</b>	<b>701</b>	<b>701</b>	<b>744</b>	<b>1007</b>	<b>1088</b>

**Regional Imports**  
**Operating Year 2024**  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Canada</b>														
<b>Contracts</b>														
1 BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
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
3 Other Entities to PSE	2.83	2.83	2.79	3.48	4.25	4.43	4.95	4.32	4.02	3.70	3.70	3.15	2.60	2.69
<b>4 Total Imports From CAN</b>	<b>146</b>	<b>146</b>	<b>146</b>	<b>147</b>	<b>102</b>	<b>124</b>	<b>155</b>	<b>188</b>	<b>213</b>	<b>147</b>	<b>147</b>	<b>147</b>	<b>146</b>	<b>146</b>
<b>Inland Southwest</b>														
<b>Transfer Services</b>														
5 RMP to RMP TS PwrP	796	796	653	592	584	669	610	610	587	558	558	601	870	951
<b>6 Total Imports From ISW</b>	<b>796</b>	<b>796</b>	<b>653</b>	<b>592</b>	<b>584</b>	<b>669</b>	<b>610</b>	<b>610</b>	<b>587</b>	<b>558</b>	<b>558</b>	<b>601</b>	<b>870</b>	<b>951</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
8 PASA to BPA-P CNX Repl	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
10 RVSD to BPA-P CNX EER	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
12 RVSD to BPA-P SNX Ret	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	300	300	300	300	0	0	0	0	0	0
<b>14 Total Imports From PSW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</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
16 Investor Owned Utilities	799	799	656	595	888	973	915	914	591	562	562	604	873	954
17 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
<b>18 Total Imports</b>	<b>942</b>	<b>942</b>	<b>799</b>	<b>739</b>	<b>986</b>	<b>1093</b>	<b>1065</b>	<b>1098</b>	<b>800</b>	<b>705</b>	<b>705</b>	<b>748</b>	<b>1016</b>	<b>1097</b>

**Regional Imports**  
**Operating Year 2025**  
**2017 White Book** Report Date: 6/1/2017  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Canada</b>														
<b>Contracts</b>														
1 BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
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
3 Other Entities to PSE	2.83	2.83	2.79	3.48	4.25	4.43	4.95	4.32	4.02	3.70	3.70	3.15	2.60	2.69
<b>4 Total Imports From CAN</b>	<b>146</b>	<b>146</b>	<b>146</b>	<b>147</b>	<b>102</b>	<b>124</b>	<b>155</b>	<b>188</b>	<b>213</b>	<b>147</b>	<b>147</b>	<b>147</b>	<b>146</b>	<b>146</b>
<b>Inland Southwest</b>														
<b>Transfer Services</b>														
5 RMP to RMP TS PwrP	804	804	657	595	588	673	613	613	591	561	561	604	879	961
<b>6 Total Imports From ISW</b>	<b>804</b>	<b>804</b>	<b>657</b>	<b>595</b>	<b>588</b>	<b>673</b>	<b>613</b>	<b>613</b>	<b>591</b>	<b>561</b>	<b>561</b>	<b>604</b>	<b>879</b>	<b>961</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
8 PASA to BPA-P CNX Repl	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
10 RVSD to BPA-P CNX EER	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
12 RVSD to BPA-P SNX Ret	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	300	300	300	300	0	0	0	0	0	0
<b>14 Total Imports From PSW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</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
16 Investor Owned Utilities	807	807	660	598	892	977	918	917	595	565	565	607	882	964
17 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
<b>18 Total Imports</b>	<b>950</b>	<b>950</b>	<b>803</b>	<b>742</b>	<b>990</b>	<b>1097</b>	<b>1068</b>	<b>1101</b>	<b>804</b>	<b>708</b>	<b>708</b>	<b>751</b>	<b>1025</b>	<b>1107</b>

**Regional Imports**  
**Operating Year 2026**  
**2017 White Book** Report Date: 6/1/2017  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Canada</b>														
<b>Contracts</b>														
1 BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
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
3 Other Entities to PSE	2.83	2.83	2.79	3.48	4.25	4.43	4.95	4.32	4.02	3.70	3.70	3.15	2.60	2.69
<b>4 Total Imports From CAN</b>	<b>146</b>	<b>146</b>	<b>146</b>	<b>147</b>	<b>102</b>	<b>124</b>	<b>155</b>	<b>188</b>	<b>213</b>	<b>147</b>	<b>147</b>	<b>147</b>	<b>146</b>	<b>146</b>
<b>Inland Southwest</b>														
<b>Transfer Services</b>														
5 RMP to RMP TS PwrP	812	812	662	599	591	676	616	616	595	565	565	608	889	971
<b>6 Total Imports From ISW</b>	<b>812</b>	<b>812</b>	<b>662</b>	<b>599</b>	<b>591</b>	<b>676</b>	<b>616</b>	<b>616</b>	<b>595</b>	<b>565</b>	<b>565</b>	<b>608</b>	<b>889</b>	<b>971</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
8 PASA to BPA-P CNX Repl	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
10 RVSD to BPA-P CNX EER	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
12 RVSD to BPA-P SNX Ret	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	300	300	300	300	0	0	0	0	0	0
<b>14 Total Imports From PSW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</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
16 Investor Owned Utilities	815	815	665	602	895	980	921	920	599	569	569	611	892	974
17 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
<b>18 Total Imports</b>	<b>958</b>	<b>958</b>	<b>808</b>	<b>746</b>	<b>993</b>	<b>1100</b>	<b>1071</b>	<b>1104</b>	<b>808</b>	<b>712</b>	<b>712</b>	<b>755</b>	<b>1035</b>	<b>1117</b>

**Regional Imports**  
**Operating Year 2027**  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Canada</b>														
<b>Contracts</b>														
1 BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
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
3 Other Entities to PSE	2.83	2.83	2.79	3.48	4.25	4.43	4.95	4.32	4.02	3.70	3.70	3.15	2.60	2.69
<b>4 Total Imports From CAN</b>	<b>146</b>	<b>146</b>	<b>146</b>	<b>147</b>	<b>102</b>	<b>124</b>	<b>155</b>	<b>188</b>	<b>213</b>	<b>147</b>	<b>147</b>	<b>147</b>	<b>146</b>	<b>146</b>
<b>Inland Southwest</b>														
<b>Transfer Services</b>														
5 RMP to RMP TS PwrP	821	821	666	603	594	680	620	619	598	569	569	612	898	981
<b>6 Total Imports From ISW</b>	<b>821</b>	<b>821</b>	<b>666</b>	<b>603</b>	<b>594</b>	<b>680</b>	<b>620</b>	<b>619</b>	<b>598</b>	<b>569</b>	<b>569</b>	<b>612</b>	<b>898</b>	<b>981</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
8 PASA to BPA-P CNX Repl	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
10 RVSD to BPA-P CNX EER	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
12 RVSD to BPA-P SNX Ret	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	300	300	300	300	0	0	0	0	0	0
<b>14 Total Imports From PSW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</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
16 Investor Owned Utilities	824	824	669	606	898	984	925	923	602	573	573	615	901	984
17 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
<b>18 Total Imports</b>	<b>967</b>	<b>967</b>	<b>812</b>	<b>750</b>	<b>996</b>	<b>1104</b>	<b>1075</b>	<b>1107</b>	<b>811</b>	<b>716</b>	<b>716</b>	<b>759</b>	<b>1044</b>	<b>1127</b>

**Regional Imports**  
**Operating Year 2028**  
**2017 White Book** Report Date: 6/1/2017  
S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Canada</b>														
<b>Contracts</b>														
1 BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
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
3 Other Entities to PSE	2.83	2.83	2.79	3.48	4.25	4.43	4.95	4.32	4.02	3.70	3.70	3.15	2.60	2.69
<b>4 Total Imports From CAN</b>	<b>146</b>	<b>146</b>	<b>146</b>	<b>147</b>	<b>102</b>	<b>124</b>	<b>155</b>	<b>188</b>	<b>213</b>	<b>147</b>	<b>147</b>	<b>147</b>	<b>146</b>	<b>146</b>
<b>Inland Southwest</b>														
<b>Transfer Services</b>														
5 RMP to RMP TS PwrP	829	829	670	607	597	684	623	623	602	572	572	617	907	992
<b>6 Total Imports From ISW</b>	<b>829</b>	<b>829</b>	<b>670</b>	<b>607</b>	<b>597</b>	<b>684</b>	<b>623</b>	<b>623</b>	<b>602</b>	<b>572</b>	<b>572</b>	<b>617</b>	<b>907</b>	<b>992</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
8 PASA to BPA-P CNX Repl	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
10 RVSD to BPA-P CNX EER	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
12 RVSD to BPA-P SNX Ret	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	300	300	300	300	0	0	0	0	0	0
<b>14 Total Imports From PSW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</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
16 Investor Owned Utilities	832	832	673	610	901	988	928	927	606	576	576	620	910	995
17 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
<b>18 Total Imports</b>	<b>975</b>	<b>975</b>	<b>816</b>	<b>754</b>	<b>999</b>	<b>1108</b>	<b>1078</b>	<b>1111</b>	<b>815</b>	<b>719</b>	<b>719</b>	<b>764</b>	<b>1053</b>	<b>1138</b>

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***Exhibit 4***  
***Regional Intra-Regional Transfers***

***Monthly Capacity***  
***Operating Year 2019 to 2028***  
***Using 1937-Water Conditions***

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**Regional: Intra-Regional Transfers**  
**Operating Year 2019**  
**2017 White Book** Report Date: 6/1/2017  
S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Intra-Regional Transfers</b>														
<b>Contracts</b>	<b>348</b>	<b>348</b>	<b>312</b>	<b>297</b>	<b>437</b>	<b>433</b>	<b>438</b>	<b>430</b>	<b>343</b>	<b>396</b>	<b>396</b>	<b>338</b>	<b>346</b>	<b>347</b>
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP to ESI PwrS LTFirm	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	140	140	140	140	70.0	70.0	70.0	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
5 BPA-P to PPL NSP RIn	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
6 BPA-P to PPL SNX SprgDel	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
8 BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0
9 BPA-P to PSE Setl WNP3 Del	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
11 GCPD to PPL PwrS LTFirm	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
12 GHPD to GHP PwrS LTFirm	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
13 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
14 Other Entities to BPA-P	171	171	150	136	133	128	133	126	115	165	165	165	165	165
15 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
16 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
17 PGE to PPL PwrS LTFirm	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
18 PPL to BPA-P NSP SOut	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
19 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SCL to POPD PwrS LTFirm	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
<b>23 Total Intra-Regional Transfers</b>	<b>348</b>	<b>348</b>	<b>312</b>	<b>297</b>	<b>437</b>	<b>433</b>	<b>438</b>	<b>430</b>	<b>343</b>	<b>396</b>	<b>396</b>	<b>338</b>	<b>346</b>	<b>347</b>
<b>Intra-Regional Contracts Out</b>														
24 Federal Entities	26.2	26.2	26.2	26.2	173	173	173	173	96.2	96.2	96.2	26.2	26.2	26.2
25 Investor Owned Utilities	79.9	79.9	57.8	52.2	45.4	40.6	45.7	38.3	27.6	31.1	31.1	31.6	32.0	32.6
26 Marketer	149	149	149	140	140	140	140	140	140	190	190	190	190	190
27 Municipality	63.8	63.8	49.5	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	61.1	67.7	69.0
28 Public Utility District	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
<b>29 Total Regional Contracts Out</b>	<b>348</b>	<b>348</b>	<b>312</b>	<b>297</b>	<b>437</b>	<b>433</b>	<b>438</b>	<b>430</b>	<b>343</b>	<b>396</b>	<b>396</b>	<b>338</b>	<b>346</b>	<b>347</b>
<b>Intra-Regional Contracts In</b>														
30 Federal Entities	209	209	188	173	167	162	167	159	149	202	202	202	202	202

**Regional: Intra-Regional Transfers**

**Operating Year 2019**

**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<sup>31</sup> Investor Owned Utilities	46.9	46.9	32.6	32.3	179	179	179	179	102	102	102	44.2	50.8	52.1
<sup>32</sup> Marketer	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
<sup>33</sup> 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
<sup>34</sup> Public Utility District	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
<sup>35</sup> <b>Total Regional Contracts In</b>	<b>348</b>	<b>348</b>	<b>312</b>	<b>297</b>	<b>437</b>	<b>433</b>	<b>438</b>	<b>430</b>	<b>343</b>	<b>396</b>	<b>396</b>	<b>338</b>	<b>346</b>	<b>347</b>

**Regional: Intra-Regional Transfers**  
**Operating Year 2020**  
**2017 White Book** Report Date: 6/1/2017  
S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Intra-Regional Transfers</b>														
<b>Contracts</b>	<b>342</b>	<b>342</b>	<b>327</b>	<b>161</b>	<b>164</b>	<b>164</b>	<b>165</b>	<b>165</b>	<b>158</b>	<b>211</b>	<b>211</b>	<b>223</b>	<b>231</b>	<b>232</b>
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP to ESI PwrS LTFirm	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
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
5 BPA-P to PPL NSP RIn	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
6 BPA-P to PPL SNX SprgDel	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
8 BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0
9 BPA-P to PSE Setl WNP3 Del	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
11 GCPD to PPL PwrS LTFirm	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
12 GHPD to GHP PwrS LTFirm	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
13 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
14 Other Entities to BPA-P	165	165	165	0	0	0	0	0	0	50.0	50.0	50.0	50.0	50.0
15 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
16 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
17 PGE to PPL PwrS LTFirm	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
18 PPL to BPA-P NSP SOut	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
19 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SCL to POPD PwrS LTFirm	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
<b>23 Total Intra-Regional Transfers</b>	<b>342</b>	<b>342</b>	<b>327</b>	<b>161</b>	<b>164</b>	<b>164</b>	<b>165</b>	<b>165</b>	<b>158</b>	<b>211</b>	<b>211</b>	<b>223</b>	<b>231</b>	<b>232</b>
<b>Intra-Regional Contracts Out</b>														
24 Federal Entities	26.2	26.2	26.2	26.2	33.2	33.2	33.2	33.2	26.2	26.2	26.2	26.2	26.2	26.2
25 Investor Owned Utilities	32.6	32.6	31.7	31.3	27.4	27.5	27.7	27.7	27.6	31.1	31.1	31.6	32.0	32.6
26 Marketer	190	190	190	25.0	25.0	25.0	25.0	25.0	25.0	75.0	75.0	75.0	75.0	75.0
27 Municipality	63.8	63.8	49.5	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	61.1	67.7	69.0
28 Public Utility District	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
<b>29 Total Regional Contracts Out</b>	<b>342</b>	<b>342</b>	<b>327</b>	<b>161</b>	<b>164</b>	<b>164</b>	<b>165</b>	<b>165</b>	<b>158</b>	<b>211</b>	<b>211</b>	<b>223</b>	<b>231</b>	<b>232</b>
<b>Intra-Regional Contracts In</b>														
30 Federal Entities	202	202	202	37.4	33.7	33.7	33.7	33.7	33.7	87.4	87.4	87.4	87.4	87.4

**Regional: Intra-Regional Transfers**

**Operating Year 2020**

**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<sup>31</sup> Investor Owned Utilities	46.9	46.9	32.6	32.3	39.3	39.3	39.3	39.3	32.3	32.3	32.3	44.2	50.8	52.1
<sup>32</sup> Marketer	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
<sup>33</sup> 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
<sup>34</sup> Public Utility District	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
<sup>35</sup> <b>Total Regional Contracts In</b>	<b>342</b>	<b>342</b>	<b>327</b>	<b>161</b>	<b>164</b>	<b>164</b>	<b>165</b>	<b>165</b>	<b>158</b>	<b>211</b>	<b>211</b>	<b>223</b>	<b>231</b>	<b>232</b>

**Regional: Intra-Regional Transfers**  
**Operating Year 2021**  
**2017 White Book** Report Date: 6/1/2017  
S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Intra-Regional Transfers</b>														
<b>Contracts</b>	<b>227</b>	<b>227</b>	<b>212</b>	<b>144</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>177</b>	<b>177</b>	<b>190</b>	<b>197</b>	<b>149</b>
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 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
4 BPA-P to PPL NSP RIn	16.8	16.8	16.8	16.8	0	0	0	0	0	0	0	0	0	0
5 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0
8 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 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
10 GCPD to PPL PwrS LTFirm	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
11 GHPD to GHP PwrS LTFirm	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
12 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
13 Other Entities to BPA-P	50.0	50.0	50.0	0	0	0	0	0	0	50.0	50.0	50.0	50.0	0
14 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
15 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
16 PGE to PPL PwrS LTFirm	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
17 PPL to BPA-P NSP SOut	16.8	16.8	16.8	0	0	0	0	0	0	0	0	0	0	0
18 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to POPD PwrS LTFirm	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
<b>22 Total Intra-Regional Transfers</b>	<b>227</b>	<b>227</b>	<b>212</b>	<b>144</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>177</b>	<b>177</b>	<b>190</b>	<b>197</b>	<b>149</b>
<b>Intra-Regional Contracts Out</b>														
23 Federal Entities	26.2	26.2	26.2	26.2	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
24 Investor Owned Utilities	32.6	32.6	31.7	14.5	10.6	10.7	10.9	10.9	10.8	14.3	14.3	14.8	15.2	15.8
25 Marketer	75.0	75.0	75.0	25.0	25.0	25.0	25.0	25.0	25.0	75.0	75.0	75.0	75.0	25.0
26 Municipality	63.8	63.8	49.5	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	61.1	67.7	69.0
27 Public Utility District	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
<b>28 Total Regional Contracts Out</b>	<b>227</b>	<b>227</b>	<b>212</b>	<b>144</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>177</b>	<b>177</b>	<b>190</b>	<b>197</b>	<b>149</b>
<b>Intra-Regional Contracts In</b>														
29 Federal Entities	87.4	87.4	87.4	20.6	16.9	16.9	16.9	16.9	16.9	70.6	70.6	70.6	70.6	20.6
30 Investor Owned Utilities	46.9	46.9	32.6	32.3	22.5	22.5	22.5	22.5	15.5	15.5	15.5	27.4	34.0	35.3

**Regional: Intra-Regional Transfers**

**Operating Year 2021**

**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<sup>31</sup> Marketer	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
<sup>32</sup> 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
<sup>33</sup> Public Utility District	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
<sup>34</sup> <b>Total Regional Contracts In</b>	<b>227</b>	<b>227</b>	<b>212</b>	<b>144</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>177</b>	<b>177</b>	<b>190</b>	<b>197</b>	<b>149</b>

**Regional: Intra-Regional Transfers**  
**Operating Year 2022**  
**2017 White Book** Report Date: 6/1/2017  
S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Intra-Regional Transfers</b>														
<b>Contracts</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 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
4 BPA-P to PPL NSP RIn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0
8 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 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
10 GCPD to PPL PwrS LTFirm	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
11 GHPD to GHP PwrS LTFirm	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
12 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
13 Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 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
15 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
16 PGE to PPL PwrS LTFirm	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
17 PPL to BPA-P NSP SOut	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to POPD PwrS LTFirm	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
<b>22 Total Intra-Regional Transfers</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>
<b>Intra-Regional Contracts Out</b>														
23 Federal Entities	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
24 Investor Owned Utilities	15.8	15.8	14.9	14.5	10.6	10.7	10.9	10.9	10.8	14.3	14.3	14.8	15.2	15.8
25 Marketer	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
26 Municipality	63.8	63.8	49.5	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	61.1	67.7	69.0
27 Public Utility District	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
<b>28 Total Regional Contracts Out</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>
<b>Intra-Regional Contracts In</b>														
29 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
30 Investor Owned Utilities	30.1	30.1	15.8	15.5	22.5	22.5	22.5	22.5	15.5	15.5	15.5	27.4	34.0	35.3



**Regional: Intra-Regional Transfers**

**Operating Year 2022**

**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<sup>31</sup> Marketer	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
<sup>32</sup> 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
<sup>33</sup> Public Utility District	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
<sup>34</sup> <b>Total Regional Contracts In</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>

**Regional: Intra-Regional Transfers**  
**Operating Year 2023**  
**2017 White Book** Report Date: 6/1/2017  
S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Intra-Regional Transfers</b>														
<b>Contracts</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 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
4 BPA-P to PPL NSP Rln	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0
8 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 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
10 GCPD to PPL PwrS LTFirm	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
11 GHPD to GHP PwrS LTFirm	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
12 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
13 Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 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
15 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
16 PGE to PPL PwrS LTFirm	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
17 PPL to BPA-P NSP SOut	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to POPD PwrS LTFirm	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
<b>22 Total Intra-Regional Transfers</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>
<b>Intra-Regional Contracts Out</b>														
23 Federal Entities	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
24 Investor Owned Utilities	15.8	15.8	14.9	14.5	10.6	10.7	10.9	10.9	10.8	14.3	14.3	14.8	15.2	15.8
25 Marketer	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
26 Municipality	63.8	63.8	49.5	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	61.1	67.7	69.0
27 Public Utility District	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
<b>28 Total Regional Contracts Out</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>
<b>Intra-Regional Contracts In</b>														
29 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
30 Investor Owned Utilities	30.1	30.1	15.8	15.5	22.5	22.5	22.5	22.5	15.5	15.5	15.5	27.4	34.0	35.3

**Regional: Intra-Regional Transfers**

**Operating Year 2023**

**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<sup>31</sup> Marketer	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
<sup>32</sup> 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
<sup>33</sup> Public Utility District	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
<sup>34</sup> <b>Total Regional Contracts In</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>

**Regional: Intra-Regional Transfers**  
**Operating Year 2024**  
**2017 White Book** Report Date: 6/1/2017  
S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Intra-Regional Transfers</b>														
<b>Contracts</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 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
4 BPA-P to PPL NSP RIn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0
8 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 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
10 GCPD to PPL PwrS LTFirm	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
11 GHPD to GHP PwrS LTFirm	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
12 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
13 Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 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
15 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
16 PGE to PPL PwrS LTFirm	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
17 PPL to BPA-P NSP SOut	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to POPD PwrS LTFirm	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
<b>22 Total Intra-Regional Transfers</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>
<b>Intra-Regional Contracts Out</b>														
23 Federal Entities	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
24 Investor Owned Utilities	15.8	15.8	14.9	14.5	10.6	10.7	10.9	10.9	10.8	14.3	14.3	14.8	15.2	15.8
25 Marketer	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
26 Municipality	63.8	63.8	49.5	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	61.1	67.7	69.0
27 Public Utility District	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
<b>28 Total Regional Contracts Out</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>
<b>Intra-Regional Contracts In</b>														
29 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
30 Investor Owned Utilities	30.1	30.1	15.8	15.5	22.5	22.5	22.5	22.5	15.5	15.5	15.5	27.4	34.0	35.3

**Regional: Intra-Regional Transfers**

**Operating Year 2024**

**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<sup>31</sup> Marketer	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
<sup>32</sup> 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
<sup>33</sup> Public Utility District	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
<sup>34</sup> <b>Total Regional Contracts In</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>

**Regional: Intra-Regional Transfers**  
**Operating Year 2025**  
**2017 White Book** Report Date: 6/1/2017  
S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Intra-Regional Transfers</b>														
<b>Contracts</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 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
4 BPA-P to PPL NSP RIn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0
8 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 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
10 GCPD to PPL PwrS LTFirm	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
11 GHPD to GHP PwrS LTFirm	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
12 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
13 Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 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
15 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
16 PGE to PPL PwrS LTFirm	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
17 PPL to BPA-P NSP SOut	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to POPD PwrS LTFirm	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
<b>22 Total Intra-Regional Transfers</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>
<b>Intra-Regional Contracts Out</b>														
23 Federal Entities	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
24 Investor Owned Utilities	15.8	15.8	14.9	14.5	10.6	10.7	10.9	10.9	10.8	14.3	14.3	14.8	15.2	15.8
25 Marketer	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
26 Municipality	63.8	63.8	49.5	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	61.1	67.7	69.0
27 Public Utility District	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
<b>28 Total Regional Contracts Out</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>
<b>Intra-Regional Contracts In</b>														
29 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
30 Investor Owned Utilities	30.1	30.1	15.8	15.5	22.5	22.5	22.5	22.5	15.5	15.5	15.5	27.4	34.0	35.3

**Regional: Intra-Regional Transfers**

**Operating Year 2025**

**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<sup>31</sup> Marketer	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
<sup>32</sup> 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
<sup>33</sup> Public Utility District	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
<sup>34</sup> <b>Total Regional Contracts In</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>

**Regional: Intra-Regional Transfers**  
**Operating Year 2026**  
**2017 White Book** Report Date: 6/1/2017  
S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Intra-Regional Transfers</b>														
<b>Contracts</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 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
4 BPA-P to PPL NSP Rln	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0
8 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 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
10 GCPD to PPL PwrS LTFirm	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
11 GHPD to GHP PwrS LTFirm	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
12 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
13 Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 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
15 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
16 PGE to PPL PwrS LTFirm	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
17 PPL to BPA-P NSP SOut	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to POPD PwrS LTFirm	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
<b>22 Total Intra-Regional Transfers</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>
<b>Intra-Regional Contracts Out</b>														
23 Federal Entities	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
24 Investor Owned Utilities	15.8	15.8	14.9	14.5	10.6	10.7	10.9	10.9	10.8	14.3	14.3	14.8	15.2	15.8
25 Marketer	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
26 Municipality	63.8	63.8	49.5	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	61.1	67.7	69.0
27 Public Utility District	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
<b>28 Total Regional Contracts Out</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>
<b>Intra-Regional Contracts In</b>														
29 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
30 Investor Owned Utilities	30.1	30.1	15.8	15.5	22.5	22.5	22.5	22.5	15.5	15.5	15.5	27.4	34.0	35.3



**Regional: Intra-Regional Transfers**

**Operating Year 2026**

**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<sup>31</sup> Marketer	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
<sup>32</sup> 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
<sup>33</sup> Public Utility District	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
<sup>34</sup> <b>Total Regional Contracts In</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>

**Regional: Intra-Regional Transfers**  
**Operating Year 2027**  
**2017 White Book** Report Date: 6/1/2017  
S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Intra-Regional Transfers</b>														
<b>Contracts</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 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
4 BPA-P to PPL NSP Rln	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0
8 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 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
10 GCPD to PPL PwrS LTFirm	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
11 GHPD to GHP PwrS LTFirm	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
12 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
13 Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 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
15 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
16 PGE to PPL PwrS LTFirm	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
17 PPL to BPA-P NSP SOut	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to POPD PwrS LTFirm	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
<b>22 Total Intra-Regional Transfers</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>
<b>Intra-Regional Contracts Out</b>														
23 Federal Entities	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
24 Investor Owned Utilities	15.8	15.8	14.9	14.5	10.6	10.7	10.9	10.9	10.8	14.3	14.3	14.8	15.2	15.8
25 Marketer	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
26 Municipality	63.8	63.8	49.5	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	61.1	67.7	69.0
27 Public Utility District	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
<b>28 Total Regional Contracts Out</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>
<b>Intra-Regional Contracts In</b>														
29 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
30 Investor Owned Utilities	30.1	30.1	15.8	15.5	22.5	22.5	22.5	22.5	15.5	15.5	15.5	27.4	34.0	35.3

**Regional: Intra-Regional Transfers**

**Operating Year 2027**

**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<sup>31</sup> Marketer	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
<sup>32</sup> 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
<sup>33</sup> Public Utility District	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
<sup>34</sup> <b>Total Regional Contracts In</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>

**Regional: Intra-Regional Transfers**  
**Operating Year 2028**  
**2017 White Book** Report Date: 6/1/2017  
S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Intra-Regional Transfers</b>														
<b>Contracts</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 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
4 BPA-P to PPL NSP Rln	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0
8 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 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
10 GCPD to PPL PwrS LTFirm	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
11 GHPD to GHP PwrS LTFirm	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
12 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
13 Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 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
15 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
16 PGE to PPL PwrS LTFirm	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
17 PPL to BPA-P NSP SOut	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to POPD PwrS LTFirm	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
<b>22 Total Intra-Regional Transfers</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>
<b>Intra-Regional Contracts Out</b>														
23 Federal Entities	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
24 Investor Owned Utilities	15.8	15.8	14.9	14.5	10.6	10.7	10.9	10.9	10.8	14.3	14.3	14.8	15.2	15.8
25 Marketer	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
26 Municipality	63.8	63.8	49.5	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	61.1	67.7	69.0
27 Public Utility District	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
<b>28 Total Regional Contracts Out</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>
<b>Intra-Regional Contracts In</b>														
29 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
30 Investor Owned Utilities	30.1	30.1	15.8	15.5	22.5	22.5	22.5	22.5	15.5	15.5	15.5	27.4	34.0	35.3

**Regional: Intra-Regional Transfers**

**Operating Year 2028**

**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<sup>31</sup> Marketer	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
<sup>32</sup> 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
<sup>33</sup> Public Utility District	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
<sup>34</sup> <b>Total Regional Contracts In</b>	<b>144</b>	<b>144</b>	<b>128</b>	<b>128</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>131</b>	<b>124</b>	<b>127</b>	<b>127</b>	<b>140</b>	<b>147</b>	<b>149</b>

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***Exhibit 5  
Regional Small Hydro***

***Monthly Capacity  
Operating Year 2019 to 2028  
Using 1937-Water Conditions***

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**Regional: Small Hydro**  
**Operating Year 2019 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Small Hydro</b>														
1 Albany-Millersburg Hydroelectric	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2 Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
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
4 Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
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
6 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
8 Big Elk Creek YMCA Camp	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
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
10 Bigg's Creek (Pickering Micro)	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
11 Billingsley Creek	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
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
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
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
15 Black Canyon	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
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
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
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
19 Briqqs 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
20 Briqqs 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
21 Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22 Buffalo Hydro	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
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
26 Calligan Creek	2.00	2.00	2.00	2.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	2.00
27 Canyon Creek	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
28 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
29 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 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
31 C-Drop Hydro	1.10	1.10	1.10	0	0	0	0	0	0	1.10	1.10	1.10	1.10	1.10
32 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
33 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
34 Cereghino	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
35 Chester Hydroelectric Plant	0.20	0.20	0.68	0.58	0.36	0.54	0.53	0.72	0.50	0.70	0.70	1.07	1.14	0.80
36 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
37 Company 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
38 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
40 Crystal Springs	2.10	2.10	2.44	2.36	2.44	0.84	0.84	0.93	1.30	1.34	1.34	1.30	2.17	2.10

**Regional: Small Hydro**  
**Operating Year 2019 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 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
42 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
43 Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
44 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
46 Denny Creek	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
47 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
48 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
49 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
50 Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51 Ebey Hill (Kevin Duncan)	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
52 Elk Creek	1.94	1.94	0.02	0.02	0.02	0.16	0.16	0.17	1.63	1.68	1.68	1.63	2.00	1.94
53 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
54 Esquatzel Small Hydro	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
55 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
56 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
57 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
58 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
59 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
60 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
61 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
62 Flying W	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
63 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
64 Forgy	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
65 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
66 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
67 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
68 Gillihan	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
69 Ground Water Pumping Station	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
70 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
71 Hancock Creek	3.00	3.00	3.00	3.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	3.00
72 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
73 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
74 Hettinger	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
75 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
76 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
77 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
78 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
79 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
80 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
81 Juniper Ridge Hydro	3.37	3.37	3.37	3.37	0	0	0	0	0	3.37	3.37	3.37	3.37	3.37

**Regional: Small Hydro**  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 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
83 Kaster Riverview	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
84 Koma Kulshan	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
85 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
86 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
87 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
88 Lake Creek (OR)	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
89 Lake Oswego	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
90 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
91 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
92 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
93 Little Butte Ranch	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
94 Little Mac	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
95 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
96 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
97 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
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
99 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
100 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
101 LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
102 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
103 Macks 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
104 Magic 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
105 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
106 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
107 Meyers Falls	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
108 Meyers Falls 1910	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
109 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
110 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
111 Mill Creek (Cove Hydro)	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
112 Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 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
114 Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
115 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
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	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
118 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
119 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
120 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
121 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
122 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

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
123 North Gooding Main	1.30	1.30	1.30	1.30	0	0	0	0	0	0	1.30	1.30	1.30	1.30
124 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
125 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
126 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
127 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
128 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
129 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
130 Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
131 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
132 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 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
134 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
135 Poderosa	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
136 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
137 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
138 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
139 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
140 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
141 Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
142 Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
143 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
144 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
145 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
146 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
147 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
148 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
149 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
150 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
151 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
152 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
153 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
154 Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
155 Smith Creek (Washington)	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
156 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
157 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
158 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
159 Spencer Lake Hydro	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
160 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162 Stevenson #1	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
163 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
164 Strawberry Creek (MT)	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
165 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
166 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
167 Syqitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 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
169 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
170 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
171 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
172 Twin Falls (WA)	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
173 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
174 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
175 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
176 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
177 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70
178 Weeks Falls	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
179 White Ranch	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
180 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
181 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
182 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
183 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
184 Wolf Creek	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
185 Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
186 Yakama Drop 2	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
187 Yakama Drop 3	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
188 Youngs Creek	0.07	0.07	0.54	1.65	3.29	2.73	2.92	3.85	6.48	6.44	6.44	2.49	0.56	0.17
189 Zena Creek Ranch	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
<b>Total Small Hydro</b>														
190 Cooperative	2.12	2.12	2.52	2.23	1.87	2.17	2.04	2.56	2.58	2.82	2.82	2.91	3.06	3.00
191 Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
192 Investor Owned Utilities	219	219	198	167	154	142	137	146	168	207	214	251	246	231
193 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
194 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
195 Public Utility District	24.7	24.7	22.8	20.8	21.4	20.9	21.1	22.0	32.4	37.7	37.7	36.1	33.9	26.1
<b>196 Total Small Hydro</b>	<b>390</b>	<b>388</b>	<b>317</b>	<b>234</b>	<b>186</b>	<b>174</b>	<b>169</b>	<b>181</b>	<b>222</b>	<b>337</b>	<b>345</b>	<b>464</b>	<b>477</b>	<b>459</b>

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Small Hydro</b>														
1 Albany-Millersburg Hydroelectric	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2 Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
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
4 Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
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
6 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
8 Big Elk Creek YMCA Camp	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
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
10 Biggs's Creek (Pickering Micro)	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
11 Billingsley Creek	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
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
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
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
15 Black Canyon	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
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
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
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
19 Briqqs 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
20 Briqqs 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
21 Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22 Buffalo Hydro	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
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
26 Calligan Creek	2.00	2.00	2.00	2.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	2.00
27 Canyon Creek	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
28 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
29 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 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
31 C-Drop Hydro	1.10	1.10	1.10	0	0	0	0	0	0	1.10	1.10	1.10	1.10	1.10
32 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
33 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
34 Cereghino	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
35 Chester Hydroelectric Plant	0.20	0.20	0.68	0.58	0.36	0.54	0.53	0.72	0.50	0.70	0.70	1.07	1.14	0.80
36 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
37 Company 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
38 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
40 Crystal Springs	2.10	2.10	2.44	2.36	2.44	0.84	0.84	0.93	1.30	1.34	1.34	1.30	2.17	2.10

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 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
42 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
43 Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
44 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
46 Denny Creek	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
47 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
48 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
49 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
50 Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51 Ebey Hill (Kevin Duncan)	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
52 Elk Creek	1.94	1.94	0.02	0.02	0.02	0.16	0.16	0.17	1.63	1.68	1.68	1.63	2.00	1.94
53 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
54 Esquatzel Small Hydro	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
55 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
56 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
57 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
58 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
59 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
60 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
61 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
62 Flying W	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
63 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
64 Forgy	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
65 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
66 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
67 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
68 Gillihan	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
69 Ground Water Pumping Station	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
70 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
71 Hancock Creek	3.00	3.00	3.00	3.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	3.00
72 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
73 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
74 Hettinger	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
75 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
76 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
77 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
78 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
79 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
80 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
81 Juniper Ridge Hydro	3.37	3.37	3.37	3.37	0	0	0	0	0	3.37	3.37	3.37	3.37	3.37



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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 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
83 Kaster Riverview	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
84 Koma Kulshan	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
85 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
86 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
87 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
88 Lake Creek (OR)	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
89 Lake Oswego	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
90 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
91 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
92 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
93 Little Butte Ranch	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
94 Little Mac	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
95 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
96 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
97 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
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
99 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
100 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
101 LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
102 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
103 Macks 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
104 Magic 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
105 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
106 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
107 Meyers Falls	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
108 Meyers Falls 1910	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
109 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
110 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
111 Mill Creek (Cove Hydro)	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
112 Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 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
114 Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
115 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
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	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
118 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
119 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
120 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
121 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
122 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

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
123 North Gooding Main	1.30	1.30	1.30	1.30	0	0	0	0	0	0	1.30	1.30	1.30	1.30
124 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
125 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
126 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
127 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
128 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
129 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
130 Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
131 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
132 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 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
134 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
135 Poderosa	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
136 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
137 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
138 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
139 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
140 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
141 Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
142 Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
143 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
144 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
145 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
146 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
147 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
148 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
149 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
150 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
151 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
152 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
153 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
154 Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
155 Smith Creek (Washington)	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
156 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
157 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
158 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
159 Spencer Lake Hydro	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
160 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162 Stevenson #1	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
163 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09

**Regional: Small Hydro**  
**Operating Year 2020 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
164 Strawberry Creek (MT)	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
165 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
166 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
167 Syqitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 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
169 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
170 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
171 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
172 Twin Falls (WA)	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
173 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
174 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
175 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
176 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
177 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70
178 Weeks Falls	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
179 White Ranch	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
180 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
181 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
182 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
183 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
184 Wolf Creek	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
185 Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
186 Yakama Drop 2	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
187 Yakama Drop 3	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
188 Youngs Creek	0.07	0.07	0.54	1.65	3.29	2.73	2.92	3.85	6.48	6.44	6.44	2.49	0.56	0.17
189 Zena Creek Ranch	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
<b>Total Small Hydro</b>														
190 Cooperative	2.12	2.12	2.52	2.23	1.87	2.17	2.04	2.56	2.58	2.82	2.82	2.91	3.06	3.00
191 Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
192 Investor Owned Utilities	219	218	194	165	153	142	137	146	165	207	210	248	246	232
193 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
194 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
195 Public Utility District	24.7	24.7	22.8	20.8	21.4	20.9	21.1	22.0	32.4	37.7	37.7	36.1	33.9	26.1
<b>196 Total Small Hydro</b>	<b>390</b>	<b>387</b>	<b>313</b>	<b>231</b>	<b>185</b>	<b>174</b>	<b>169</b>	<b>181</b>	<b>219</b>	<b>337</b>	<b>340</b>	<b>462</b>	<b>477</b>	<b>461</b>

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**Regional: Small Hydro**  
**Operating Year 2021 Water Year: 1937**  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Small Hydro</b>														
1 Albany-Millersburg Hydroelectric	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2 Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
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
4 Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
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
6 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
8 Big Elk Creek YMCA Camp	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
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
10 Biggs's Creek (Pickering Micro)	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
11 Billingsley Creek	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
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
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
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
15 Black Canyon	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
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
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
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
19 Briqqs 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
20 Briqqs 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
21 Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22 Buffalo Hydro	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
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
26 Calligan Creek	2.00	2.00	2.00	2.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	2.00
27 Canyon Creek	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
28 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
29 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 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
31 C-Drop Hydro	1.10	1.10	1.10	0	0	0	0	0	0	1.10	1.10	1.10	1.10	1.10
32 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
33 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
34 Cereghino	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
35 Chester Hydroelectric Plant	0.20	0.20	0.68	0.58	0.36	0.54	0.53	0.72	0.50	0.70	0.70	1.07	1.14	0.80
36 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
37 Company 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
38 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
40 Crystal Springs	2.10	2.10	2.44	2.36	2.44	0.84	0.84	0.93	1.30	1.34	1.34	1.30	2.17	2.10

**Regional: Small Hydro**  
**Operating Year 2021 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 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
42 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
43 Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
44 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
46 Denny Creek	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
47 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
48 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
49 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
50 Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51 Ebey Hill (Kevin Duncan)	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
52 Elk Creek	1.94	1.94	0.02	0.02	0.02	0.16	0.16	0.17	1.63	1.68	1.68	1.63	2.00	1.94
53 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
54 Esquatzel Small Hydro	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
55 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
56 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
57 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
58 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
59 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
60 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
61 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
62 Flying W	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
63 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
64 Forgy	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
65 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
66 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
67 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
68 Gillihan	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
69 Ground Water Pumping Station	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
70 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
71 Hancock Creek	3.00	3.00	3.00	3.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	3.00
72 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
73 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
74 Hettinger	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
75 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
76 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
77 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
78 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
79 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
80 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
81 Juniper Ridge Hydro	3.37	3.37	3.37	3.37	0	0	0	0	0	3.37	3.37	3.37	3.37	3.37

**Regional: Small Hydro**  
**Operating Year 2021 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 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
83 Kaster Riverview	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
84 Koma Kulshan	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
85 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
86 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
87 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
88 Lake Creek (OR)	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
89 Lake Oswego	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
90 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
91 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
92 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
93 Little Butte Ranch	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
94 Little Mac	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
95 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
96 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
97 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
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
99 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
100 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
101 LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
102 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
103 Macks 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
104 Magic 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
105 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
106 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
107 Meyers Falls	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
108 Meyers Falls 1910	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
109 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
110 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
111 Mill Creek (Cove Hydro)	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
112 Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 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
114 Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
115 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
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	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
118 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
119 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
120 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
121 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
122 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

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
123 North Gooding Main	1.30	1.30	1.30	1.30	0	0	0	0	0	0	1.30	1.30	1.30	1.30
124 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
125 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
126 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
127 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
128 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
129 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
130 Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
131 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
132 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 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
134 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
135 Poderosa	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
136 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
137 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
138 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
139 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
140 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
141 Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
142 Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
143 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
144 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
145 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
146 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
147 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
148 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
149 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
150 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
151 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
152 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
153 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
154 Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
155 Smith Creek (Washington)	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
156 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
157 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
158 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
159 Spencer Lake Hydro	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
160 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162 Stevenson #1	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
163 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09



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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
164 Strawberry Creek (MT)	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
165 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
166 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
167 Syqitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 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
169 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
170 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
171 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
172 Twin Falls (WA)	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
173 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
174 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
175 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
176 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
177 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70
178 Weeks Falls	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
179 White Ranch	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
180 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
181 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
182 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
183 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
184 Wolf Creek	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
185 Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
186 Yakama Drop 2	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
187 Yakama Drop 3	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
188 Youngs Creek	0.07	0.07	0.54	1.65	3.29	2.73	2.92	3.85	6.48	6.44	6.44	2.49	0.56	0.17
189 Zena Creek Ranch	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
<b>Total Small Hydro</b>														
190 Cooperative	2.12	2.12	2.52	2.23	1.87	2.17	2.04	2.56	2.58	2.82	2.82	2.91	3.06	3.00
191 Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
192 Investor Owned Utilities	219	219	198	167	154	142	137	146	165	207	210	248	246	232
193 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
194 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
195 Public Utility District	24.7	24.7	22.8	20.8	21.4	20.9	21.1	22.0	32.4	37.7	37.7	36.1	33.9	26.1
<b>196 Total Small Hydro</b>	<b>390</b>	<b>388</b>	<b>317</b>	<b>234</b>	<b>186</b>	<b>174</b>	<b>169</b>	<b>181</b>	<b>219</b>	<b>337</b>	<b>340</b>	<b>461</b>	<b>477</b>	<b>461</b>

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Small Hydro</b>														
1 Albany-Millersburg Hydroelectric	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2 Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
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
4 Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
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
6 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
8 Big Elk Creek YMCA Camp	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
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
10 Biggs's Creek (Pickering Micro)	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
11 Billingsley Creek	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
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
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
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
15 Black Canyon	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
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
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
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
19 Briqqs 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
20 Briqqs 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
21 Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22 Buffalo Hydro	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
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
26 Calligan Creek	2.00	2.00	2.00	2.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	2.00
27 Canyon Creek	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
28 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
29 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 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
31 C-Drop Hydro	1.10	1.10	1.10	0	0	0	0	0	0	1.10	1.10	1.10	1.10	1.10
32 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
33 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
34 Cereghino	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
35 Chester Hydroelectric Plant	0.20	0.20	0.68	0.58	0.36	0.54	0.53	0.72	0.50	0.70	0.70	1.07	1.14	0.80
36 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
37 Company 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
38 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
40 Crystal Springs	2.10	2.10	2.44	2.36	2.44	0.84	0.84	0.93	1.30	1.34	1.34	1.30	2.17	2.10

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 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
42 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
43 Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
44 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
46 Denny Creek	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
47 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
48 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
49 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
50 Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51 Ebey Hill (Kevin Duncan)	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
52 Elk Creek	1.94	1.94	0.02	0.02	0.02	0.16	0.16	0.17	1.63	1.68	1.68	1.63	2.00	1.94
53 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
54 Esquatzel Small Hydro	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
55 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
56 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
57 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
58 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
59 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
60 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
61 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
62 Flying W	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
63 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
64 Forgy	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
65 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
66 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
67 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
68 Gillihan	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
69 Ground Water Pumping Station	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
70 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
71 Hancock Creek	3.00	3.00	3.00	3.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	3.00
72 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
73 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
74 Hettinger	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
75 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
76 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
77 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
78 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
79 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
80 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
81 Juniper Ridge Hydro	3.37	3.37	3.37	3.37	0	0	0	0	0	3.37	3.37	3.37	3.37	3.37

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 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
83 Kaster Riverview	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
84 Koma Kulshan	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
85 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
86 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
87 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
88 Lake Creek (OR)	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
89 Lake Oswego	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
90 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
91 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
92 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
93 Little Butte Ranch	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
94 Little Mac	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
95 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
96 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
97 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
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
99 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
100 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
101 LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
102 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
103 Macks 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
104 Magic 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
105 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
106 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
107 Meyers Falls	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
108 Meyers Falls 1910	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
109 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
110 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
111 Mill Creek (Cove Hydro)	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
112 Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 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
114 Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
115 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
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	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
118 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
119 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
120 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
121 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
122 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

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
123 North Gooding Main	1.30	1.30	1.30	1.30	0	0	0	0	0	0	1.30	1.30	1.30	1.30
124 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
125 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
126 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
127 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
128 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
129 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
130 Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
131 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
132 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 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
134 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
135 Poderosa	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
136 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
137 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
138 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
139 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
140 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
141 Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
142 Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
143 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
144 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
145 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
146 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
147 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
148 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
149 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
150 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
151 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
152 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
153 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
154 Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
155 Smith Creek (Washington)	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
156 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
157 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
158 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
159 Spencer Lake Hydro	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
160 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162 Stevenson #1	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
163 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
164 Strawberry Creek (MT)	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
165 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
166 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
167 Syqitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 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
169 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
170 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
171 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
172 Twin Falls (WA)	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
173 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
174 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
175 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
176 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
177 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70
178 Weeks Falls	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
179 White Ranch	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
180 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
181 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
182 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
183 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
184 Wolf Creek	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
185 Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
186 Yakama Drop 2	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
187 Yakama Drop 3	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
188 Youngs Creek	0.07	0.07	0.54	1.65	3.29	2.73	2.92	3.85	6.48	6.44	6.44	2.49	0.56	0.17
189 Zena Creek Ranch	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
<b>Total Small Hydro</b>														
190 Cooperative	2.12	2.12	2.52	2.23	1.87	2.17	2.04	2.56	2.58	2.82	2.82	2.91	3.06	3.00
191 Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
192 Investor Owned Utilities	219	219	198	167	154	142	137	146	165	207	210	248	246	232
193 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
194 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
195 Public Utility District	24.7	24.7	22.8	20.8	21.4	20.9	21.1	22.0	32.4	37.7	37.7	36.1	33.9	26.1
<b>196 Total Small Hydro</b>	<b>390</b>	<b>388</b>	<b>317</b>	<b>234</b>	<b>186</b>	<b>174</b>	<b>169</b>	<b>181</b>	<b>219</b>	<b>337</b>	<b>340</b>	<b>461</b>	<b>477</b>	<b>461</b>

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**Regional: Small Hydro**  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Small Hydro</b>														
1 Albany-Millersburg Hydroelectric	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2 Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
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
4 Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
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
6 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
8 Big Elk Creek YMCA Camp	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
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
10 Biggs's Creek (Pickering Micro)	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
11 Billingsley Creek	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
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
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
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
15 Black Canyon	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
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
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
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
19 Briqqs 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
20 Briqqs 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
21 Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22 Buffalo Hydro	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
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
26 Calligan Creek	2.00	2.00	2.00	2.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	2.00
27 Canyon Creek	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
28 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
29 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 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
31 C-Drop Hydro	1.10	1.10	1.10	0	0	0	0	0	0	1.10	1.10	1.10	1.10	1.10
32 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
33 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
34 Cereghino	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
35 Chester Hydroelectric Plant	0.20	0.20	0.68	0.58	0.36	0.54	0.53	0.72	0.50	0.70	0.70	1.07	1.14	0.80
36 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
37 Company 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
38 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
40 Crystal Springs	2.10	2.10	2.44	2.36	2.44	0.84	0.84	0.93	1.30	1.34	1.34	1.30	2.17	2.10

**Regional: Small Hydro**  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 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
42 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
43 Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
44 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
46 Denny Creek	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
47 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
48 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
49 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
50 Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51 Ebey Hill (Kevin Duncan)	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
52 Elk Creek	1.94	1.94	0.02	0.02	0.02	0.16	0.16	0.17	1.63	1.68	1.68	1.63	2.00	1.94
53 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
54 Esquatzel Small Hydro	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
55 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
56 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
57 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
58 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
59 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
60 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
61 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
62 Flying W	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
63 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
64 Forgy	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
65 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
66 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
67 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
68 Gillihan	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
69 Ground Water Pumping Station	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
70 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
71 Hancock Creek	3.00	3.00	3.00	3.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	3.00
72 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
73 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
74 Hettinger	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
75 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
76 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
77 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
78 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
79 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
80 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
81 Juniper Ridge Hydro	3.37	3.37	3.37	3.37	0	0	0	0	0	3.37	3.37	3.37	3.37	3.37

**Regional: Small Hydro**  
**Operating Year 2023 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 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
83 Kaster Riverview	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
84 Koma Kulshan	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
85 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
86 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
87 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
88 Lake Creek (OR)	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
89 Lake Oswego	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
90 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
91 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
92 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
93 Little Butte Ranch	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
94 Little Mac	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
95 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
96 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
97 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
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
99 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
100 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
101 LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
102 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
103 Macks 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
104 Magic 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
105 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
106 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
107 Meyers Falls	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
108 Meyers Falls 1910	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
109 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
110 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
111 Mill Creek (Cove Hydro)	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
112 Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 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
114 Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
115 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
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	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
118 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
119 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
120 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
121 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
122 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

**Regional: Small Hydro**  
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**2017 White Book Report Date: 6/1/2017 *Continued***

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
123 North Gooding Main	1.30	1.30	1.30	1.30	0	0	0	0	0	0	1.30	1.30	1.30	1.30
124 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
125 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
126 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
127 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
128 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
129 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
130 Pancheri	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0.01
131 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
132 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 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
134 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
135 Poderosa	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
136 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
137 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
138 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
139 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
140 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
141 Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
142 Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
143 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
144 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
145 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
146 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
147 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
148 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
149 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
150 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
151 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
152 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
153 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
154 Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
155 Smith Creek (Washington)	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
156 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
157 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
158 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
159 Spencer Lake Hydro	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
160 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162 Stevenson #1	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
163 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09

**Regional: Small Hydro**  
**Operating Year 2023 Water Year: 1937**  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
164 Strawberry Creek (MT)	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
165 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
166 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
167 Syqitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 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
169 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
170 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
171 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
172 Twin Falls (WA)	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
173 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
174 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
175 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
176 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
177 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70
178 Weeks Falls	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
179 White Ranch	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
180 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
181 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
182 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
183 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
184 Wolf Creek	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
185 Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
186 Yakama Drop 2	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
187 Yakama Drop 3	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
188 Youngs Creek	0.07	0.07	0.54	1.65	3.29	2.73	2.92	3.85	6.48	6.44	6.44	2.49	0.56	0.17
189 Zena Creek Ranch	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
<b>Total Small Hydro</b>														
190 Cooperative	2.12	2.12	2.52	2.23	1.87	2.17	2.04	2.56	2.58	2.82	2.82	2.91	3.06	3.00
191 Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
192 Investor Owned Utilities	219	219	198	167	154	142	137	146	165	207	210	248	246	232
193 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
194 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
195 Public Utility District	24.7	24.7	22.8	20.8	21.4	20.9	21.1	22.0	32.4	37.7	37.7	36.1	33.9	26.1
<b>196 Total Small Hydro</b>	<b>390</b>	<b>388</b>	<b>317</b>	<b>234</b>	<b>186</b>	<b>174</b>	<b>169</b>	<b>181</b>	<b>219</b>	<b>337</b>	<b>340</b>	<b>461</b>	<b>477</b>	<b>461</b>

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**Regional: Small Hydro**  
**Operating Year 2024 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Small Hydro</b>														
1 Albany-Millersburg Hydroelectric	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2 Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
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
4 Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
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
6 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
8 Big Elk Creek YMCA Camp	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
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
10 Biggs's Creek (Pickering Micro)	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
11 Billingsley Creek	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
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
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
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
15 Black Canyon	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
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
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
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
19 Briqqs 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
20 Briqqs 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
21 Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22 Buffalo Hydro	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
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
26 Calligan Creek	2.00	2.00	2.00	2.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	2.00
27 Canyon Creek	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
28 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
29 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 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
31 C-Drop Hydro	1.10	1.10	1.10	0	0	0	0	0	0	1.10	1.10	1.10	1.10	1.10
32 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
33 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
34 Cereghino	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
35 Chester Hydroelectric Plant	0.20	0.20	0.68	0.58	0.36	0.54	0.53	0.72	0.50	0.70	0.70	1.07	1.14	0.80
36 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
37 Company 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
38 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
40 Crystal Springs	2.10	2.10	2.44	2.36	2.44	0.84	0.84	0.93	1.30	1.34	1.34	1.30	2.17	2.10

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 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
42 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
43 Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
44 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
46 Denny Creek	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
47 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
48 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
49 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
50 Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51 Ebey Hill (Kevin Duncan)	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
52 Elk Creek	1.94	1.94	0.02	0.02	0.02	0.16	0.16	0.17	1.63	1.68	1.68	1.63	2.00	1.94
53 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
54 Esquatzel Small Hydro	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
55 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
56 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
57 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
58 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
59 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
60 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
61 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
62 Flying W	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
63 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
64 Forgy	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
65 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
66 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
67 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
68 Gillihan	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
69 Ground Water Pumping Station	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
70 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
71 Hancock Creek	3.00	3.00	3.00	3.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	3.00
72 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
73 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
74 Hettinger	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
75 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
76 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
77 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
78 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
79 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
80 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
81 Juniper Ridge Hydro	3.37	3.37	3.37	3.37	0	0	0	0	0	3.37	3.37	3.37	3.37	3.37



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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 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
83 Kaster Riverview	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
84 Koma Kulshan	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
85 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
86 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
87 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
88 Lake Creek (OR)	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
89 Lake Oswego	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
90 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
91 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
92 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
93 Little Butte Ranch	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
94 Little Mac	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
95 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
96 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
97 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
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
99 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
100 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
101 LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
102 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
103 Macks 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
104 Magic 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
105 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
106 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
107 Meyers Falls	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
108 Meyers Falls 1910	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
109 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
110 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
111 Mill Creek (Cove Hydro)	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
112 Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 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
114 Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
115 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
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	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
118 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
119 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
120 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
121 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
122 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

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
123 North Gooding Main	1.30	1.30	1.30	1.30	0	0	0	0	0	0	1.30	1.30	1.30	1.30
124 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
125 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
126 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
127 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
128 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
129 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
130 Pancheri	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0.01
131 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
132 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 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
134 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
135 Poderosa	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
136 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
137 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
138 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
139 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
140 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
141 Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
142 Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
143 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
144 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
145 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
146 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
147 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
148 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
149 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
150 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
151 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
152 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
153 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
154 Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
155 Smith Creek (Washington)	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
156 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
157 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
158 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
159 Spencer Lake Hydro	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
160 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162 Stevenson #1	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
163 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09

**Regional: Small Hydro**  
**Operating Year 2024 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
164 Strawberry Creek (MT)	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
165 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
166 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
167 Syqitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 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
169 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
170 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
171 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
172 Twin Falls (WA)	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
173 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
174 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
175 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
176 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
177 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70
178 Weeks Falls	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
179 White Ranch	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
180 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
181 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
182 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
183 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
184 Wolf Creek	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
185 Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
186 Yakama Drop 2	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
187 Yakama Drop 3	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
188 Youngs Creek	0.07	0.07	0.54	1.65	3.29	2.73	2.92	3.85	6.48	6.44	6.44	2.49	0.56	0.17
189 Zena Creek Ranch	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
<b>Total Small Hydro</b>														
190 Cooperative	2.12	2.12	2.52	2.23	1.87	2.17	2.04	2.56	2.58	2.82	2.82	2.91	3.06	3.00
191 Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
192 Investor Owned Utilities	219	219	198	167	154	142	137	146	165	207	210	248	246	232
193 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
194 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
195 Public Utility District	24.7	24.7	22.8	20.8	21.4	20.9	21.1	22.0	32.4	37.7	37.7	36.1	33.9	26.1
<b>196 Total Small Hydro</b>	<b>390</b>	<b>388</b>	<b>317</b>	<b>234</b>	<b>186</b>	<b>174</b>	<b>169</b>	<b>181</b>	<b>219</b>	<b>337</b>	<b>340</b>	<b>461</b>	<b>477</b>	<b>461</b>

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**Regional: Small Hydro**  
**Operating Year 2025 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Small Hydro</b>														
1 Albany-Millersburg Hydroelectric	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2 Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
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
4 Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
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
6 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
8 Big Elk Creek YMCA Camp	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
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
10 Biggs's Creek (Pickering Micro)	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
11 Billingsley Creek	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
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
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
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
15 Black Canyon	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
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
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
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
19 Briqqs 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
20 Briqqs 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
21 Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22 Buffalo Hydro	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
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
26 Calligan Creek	2.00	2.00	2.00	2.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	2.00
27 Canyon Creek	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
28 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
29 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 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
31 C-Drop Hydro	1.10	1.10	1.10	0	0	0	0	0	0	1.10	1.10	1.10	1.10	1.10
32 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
33 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
34 Cereghino	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
35 Chester Hydroelectric Plant	0.20	0.20	0.68	0.58	0.36	0.54	0.53	0.72	0.50	0.70	0.70	1.07	1.14	0.80
36 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
37 Company 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
38 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
40 Crystal Springs	2.10	2.10	2.44	2.36	2.44	0.84	0.84	0.93	1.30	1.34	1.34	1.30	2.17	2.10

**Regional: Small Hydro**  
**Operating Year 2025 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 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
42 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
43 Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
44 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
46 Denny Creek	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
47 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
48 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
49 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
50 Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51 Ebey Hill (Kevin Duncan)	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
52 Elk Creek	1.94	1.94	0.02	0.02	0.02	0.16	0.16	0.17	1.63	1.68	1.68	1.63	2.00	1.94
53 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
54 Esquatzel Small Hydro	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
55 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
56 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
57 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
58 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
59 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
60 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
61 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
62 Flying W	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
63 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
64 Forgy	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
65 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
66 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
67 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
68 Gillihan	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
69 Ground Water Pumping Station	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
70 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
71 Hancock Creek	3.00	3.00	3.00	3.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	3.00
72 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
73 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
74 Hettinger	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
75 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
76 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
77 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
78 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
79 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
80 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
81 Juniper Ridge Hydro	3.37	3.37	3.37	3.37	0	0	0	0	0	3.37	3.37	3.37	3.37	3.37

**Regional: Small Hydro**  
**Operating Year 2025 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 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
83 Kaster Riverview	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
84 Koma Kulshan	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
85 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
86 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
87 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
88 Lake Creek (OR)	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
89 Lake Oswego	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
90 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
91 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
92 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
93 Little Butte Ranch	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
94 Little Mac	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
95 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
96 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
97 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
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
99 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
100 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
101 LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
102 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
103 Macks 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
104 Magic 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
105 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
106 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
107 Meyers Falls	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
108 Meyers Falls 1910	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
109 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
110 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
111 Mill Creek (Cove Hydro)	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
112 Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 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
114 Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
115 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
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	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
118 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
119 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
120 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
121 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
122 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

**Regional: Small Hydro**  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
123 North Gooding Main	1.30	1.30	1.30	1.30	0	0	0	0	0	0	1.30	1.30	1.30	1.30
124 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
125 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
126 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
127 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
128 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
129 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
130 Pancheri	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0.01
131 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
132 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 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
134 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
135 Poderosa	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
136 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
137 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
138 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
139 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
140 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
141 Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
142 Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
143 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
144 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
145 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
146 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
147 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
148 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
149 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
150 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
151 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
152 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
153 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
154 Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
155 Smith Creek (Washington)	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
156 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
157 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
158 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
159 Spencer Lake Hydro	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
160 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162 Stevenson #1	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
163 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09



**Regional: Small Hydro**  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
164 Strawberry Creek (MT)	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
165 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
166 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
167 Syqitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 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
169 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
170 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
171 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
172 Twin Falls (WA)	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
173 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
174 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
175 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
176 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
177 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70
178 Weeks Falls	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
179 White Ranch	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
180 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
181 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
182 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
183 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
184 Wolf Creek	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
185 Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
186 Yakama Drop 2	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
187 Yakama Drop 3	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
188 Youngs Creek	0.07	0.07	0.54	1.65	3.29	2.73	2.92	3.85	6.48	6.44	6.44	2.49	0.56	0.17
189 Zena Creek Ranch	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
<b>Total Small Hydro</b>														
190 Cooperative	2.12	2.12	2.52	2.23	1.87	2.17	2.04	2.56	2.58	2.82	2.82	2.91	3.06	3.00
191 Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
192 Investor Owned Utilities	219	219	198	167	154	142	137	146	165	207	210	248	246	232
193 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
194 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
195 Public Utility District	24.7	24.7	22.8	20.8	21.4	20.9	21.1	22.0	32.4	37.7	37.7	36.1	33.9	26.1
<b>196 Total Small Hydro</b>	<b>390</b>	<b>388</b>	<b>317</b>	<b>234</b>	<b>186</b>	<b>174</b>	<b>169</b>	<b>181</b>	<b>219</b>	<b>337</b>	<b>340</b>	<b>461</b>	<b>477</b>	<b>461</b>

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**Regional: Small Hydro**  
**Operating Year 2026 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Small Hydro</b>														
1 Albany-Millersburg Hydroelectric	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2 Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
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
4 Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
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
6 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
8 Big Elk Creek YMCA Camp	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
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
10 Biggs's Creek (Pickering Micro)	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
11 Billingsley Creek	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
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
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
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
15 Black Canyon	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
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
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
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
19 Briqqs 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
20 Briqqs 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
21 Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22 Buffalo Hydro	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
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
26 Calligan Creek	2.00	2.00	2.00	2.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	2.00
27 Canyon Creek	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
28 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
29 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 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
31 C-Drop Hydro	1.10	1.10	1.10	0	0	0	0	0	0	1.10	1.10	1.10	1.10	1.10
32 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
33 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
34 Cereghino	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
35 Chester Hydroelectric Plant	0.20	0.20	0.68	0.58	0.36	0.54	0.53	0.72	0.50	0.70	0.70	1.07	1.14	0.80
36 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
37 Company 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
38 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
40 Crystal Springs	2.10	2.10	2.44	2.36	2.44	0.84	0.84	0.93	1.30	1.34	1.34	1.30	2.17	2.10

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 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
42 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
43 Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
44 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
46 Denny Creek	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
47 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
48 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
49 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
50 Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51 Ebey Hill (Kevin Duncan)	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
52 Elk Creek	1.94	1.94	0.02	0.02	0.02	0.16	0.16	0.17	1.63	1.68	1.68	1.63	2.00	1.94
53 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
54 Esquatzel Small Hydro	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
55 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
56 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
57 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
58 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
59 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
60 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
61 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
62 Flying W	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
63 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
64 Forgy	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
65 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
66 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
67 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
68 Gillihan	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
69 Ground Water Pumping Station	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
70 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
71 Hancock Creek	3.00	3.00	3.00	3.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	3.00
72 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
73 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
74 Hettinger	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
75 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
76 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
77 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
78 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
79 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
80 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
81 Juniper Ridge Hydro	3.37	3.37	3.37	3.37	0	0	0	0	0	3.37	3.37	3.37	3.37	3.37

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 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
83 Kaster Riverview	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
84 Koma Kulshan	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
85 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
86 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
87 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
88 Lake Creek (OR)	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
89 Lake Oswego	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
90 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
91 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
92 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
93 Little Butte Ranch	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
94 Little Mac	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
95 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
96 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
97 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
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
99 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
100 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
101 LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
102 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
103 Macks 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
104 Magic 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
105 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
106 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
107 Meyers Falls	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
108 Meyers Falls 1910	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
109 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
110 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
111 Mill Creek (Cove Hydro)	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
112 Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 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
114 Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
115 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
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	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
118 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
119 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
120 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
121 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
122 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

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
123 North Gooding Main	1.30	1.30	1.30	1.30	0	0	0	0	0	0	1.30	1.30	1.30	1.30
124 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
125 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
126 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
127 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
128 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
129 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
130 Pancheri	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0.01
131 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
132 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 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
134 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
135 Poderosa	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
136 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
137 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
138 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
139 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
140 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
141 Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
142 Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
143 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
144 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
145 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
146 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
147 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
148 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
149 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
150 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
151 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
152 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
153 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
154 Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
155 Smith Creek (Washington)	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
156 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
157 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
158 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
159 Spencer Lake Hydro	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
160 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162 Stevenson #1	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
163 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
164 Strawberry Creek (MT)	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
165 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
166 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
167 Syqitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 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
169 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
170 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
171 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
172 Twin Falls (WA)	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
173 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
174 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
175 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
176 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
177 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70
178 Weeks Falls	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
179 White Ranch	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
180 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
181 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
182 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
183 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
184 Wolf Creek	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
185 Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
186 Yakama Drop 2	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
187 Yakama Drop 3	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
188 Youngs Creek	0.07	0.07	0.54	1.65	3.29	2.73	2.92	3.85	6.48	6.44	6.44	2.49	0.56	0.17
189 Zena Creek Ranch	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
<b>Total Small Hydro</b>														
190 Cooperative	2.12	2.12	2.52	2.23	1.87	2.17	2.04	2.56	2.58	2.82	2.82	2.91	3.06	3.00
191 Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
192 Investor Owned Utilities	219	219	198	167	154	142	137	146	165	207	210	248	246	232
193 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
194 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
195 Public Utility District	24.7	24.7	22.8	20.8	21.4	20.9	21.1	22.0	32.4	37.7	37.7	36.1	33.9	26.1
<b>196 Total Small Hydro</b>	<b>390</b>	<b>388</b>	<b>317</b>	<b>234</b>	<b>186</b>	<b>174</b>	<b>169</b>	<b>181</b>	<b>219</b>	<b>337</b>	<b>340</b>	<b>461</b>	<b>477</b>	<b>461</b>

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**Regional: Small Hydro**  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Small Hydro</b>														
1 Albany-Millersburg Hydroelectric	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2 Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
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
4 Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
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
6 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
8 Big Elk Creek YMCA Camp	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
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
10 Biggs's Creek (Pickering Micro)	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
11 Billingsley Creek	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
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
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
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
15 Black Canyon	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
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
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
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
19 Briqqs 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
20 Briqqs 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
21 Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22 Buffalo Hydro	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
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
26 Calligan Creek	2.00	2.00	2.00	2.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	2.00
27 Canyon Creek	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
28 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
29 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 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
31 C-Drop Hydro	1.10	1.10	1.10	0	0	0	0	0	0	1.10	1.10	1.10	1.10	1.10
32 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
33 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
34 Cereghino	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
35 Chester Hydroelectric Plant	0.20	0.20	0.68	0.58	0.36	0.54	0.53	0.72	0.50	0.70	0.70	1.07	1.14	0.80
36 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
37 Company 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
38 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
40 Crystal Springs	2.10	2.10	2.44	2.36	2.44	0.84	0.84	0.93	1.30	1.34	1.34	1.30	2.17	2.10

**Regional: Small Hydro**  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 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
42 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
43 Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
44 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
46 Denny Creek	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
47 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
48 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
49 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
50 Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51 Ebey Hill (Kevin Duncan)	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
52 Elk Creek	1.94	1.94	0.02	0.02	0.02	0.16	0.16	0.17	1.63	1.68	1.68	1.63	2.00	1.94
53 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
54 Esquatzel Small Hydro	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
55 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
56 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
57 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
58 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
59 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
60 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
61 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
62 Flying W	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
63 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
64 Forgy	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
65 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
66 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
67 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
68 Gillihan	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
69 Ground Water Pumping Station	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
70 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
71 Hancock Creek	3.00	3.00	3.00	3.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	3.00
72 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
73 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
74 Hettinger	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
75 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
76 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
77 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
78 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
79 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
80 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
81 Juniper Ridge Hydro	3.37	3.37	3.37	3.37	0	0	0	0	0	3.37	3.37	3.37	3.37	3.37

**Regional: Small Hydro**  
**Operating Year 2027 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 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
83 Kaster Riverview	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
84 Koma Kulshan	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
85 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
86 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
87 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
88 Lake Creek (OR)	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
89 Lake Oswego	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
90 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
91 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
92 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
93 Little Butte Ranch	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
94 Little Mac	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
95 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
96 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
97 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
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
99 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
100 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
101 LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
102 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
103 Macks 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
104 Magic 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
105 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
106 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
107 Meyers Falls	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
108 Meyers Falls 1910	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
109 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
110 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
111 Mill Creek (Cove Hydro)	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
112 Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 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
114 Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
115 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
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	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
118 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
119 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
120 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
121 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
122 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

**Regional: Small Hydro**  
**Operating Year 2027 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
123 North Gooding Main	1.30	1.30	1.30	1.30	0	0	0	0	0	0	1.30	1.30	1.30	1.30
124 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
125 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
126 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
127 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
128 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
129 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
130 Pancheri	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0.01
131 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
132 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 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
134 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
135 Poderosa	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
136 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
137 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
138 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
139 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
140 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
141 Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
142 Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
143 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
144 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
145 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
146 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
147 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
148 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
149 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
150 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
151 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
152 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
153 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
154 Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
155 Smith Creek (Washington)	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
156 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
157 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
158 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
159 Spencer Lake Hydro	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
160 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162 Stevenson #1	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
163 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09

**Regional: Small Hydro**  
**Operating Year 2027 Water Year: 1937**  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
164 Strawberry Creek (MT)	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
165 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
166 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
167 Syqitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 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
169 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
170 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
171 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
172 Twin Falls (WA)	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
173 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
174 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
175 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
176 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
177 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70
178 Weeks Falls	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
179 White Ranch	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
180 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
181 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
182 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
183 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
184 Wolf Creek	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
185 Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
186 Yakama Drop 2	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
187 Yakama Drop 3	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
188 Youngs Creek	0.07	0.07	0.54	1.65	3.29	2.73	2.92	3.85	6.48	6.44	6.44	2.49	0.56	0.17
189 Zena Creek Ranch	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
<b>Total Small Hydro</b>														
190 Cooperative	2.12	2.12	2.52	2.23	1.87	2.17	2.04	2.56	2.58	2.82	2.82	2.91	3.06	3.00
191 Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
192 Investor Owned Utilities	219	219	198	167	154	142	137	146	165	207	210	248	246	232
193 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
194 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
195 Public Utility District	24.7	24.7	22.8	20.8	21.4	20.9	21.1	22.0	32.4	37.7	37.7	36.1	33.9	26.1
<b>196 Total Small Hydro</b>	<b>390</b>	<b>388</b>	<b>317</b>	<b>234</b>	<b>186</b>	<b>174</b>	<b>169</b>	<b>181</b>	<b>219</b>	<b>337</b>	<b>340</b>	<b>461</b>	<b>477</b>	<b>461</b>

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**Regional: Small Hydro**  
**Operating Year 2028 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Small Hydro</b>														
1 Albany-Millersburg Hydroelectric	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2 Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
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
4 Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
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
6 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
8 Big Elk Creek YMCA Camp	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
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
10 Biggs's Creek (Pickering Micro)	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
11 Billingsley Creek	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
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
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
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
15 Black Canyon	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
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
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
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
19 Briqqs 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
20 Briqqs 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
21 Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22 Buffalo Hydro	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
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
26 Calligan Creek	2.00	2.00	2.00	2.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	2.00
27 Canyon Creek	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
28 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
29 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 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
31 C-Drop Hydro	1.10	1.10	1.10	0	0	0	0	0	0	1.10	1.10	1.10	1.10	1.10
32 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
33 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
34 Cereghino	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
35 Chester Hydroelectric Plant	0.20	0.20	0.68	0.58	0.36	0.54	0.53	0.72	0.50	0.70	0.70	1.07	1.14	0.80
36 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
37 Company 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
38 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
40 Crystal Springs	2.10	2.10	2.44	2.36	2.44	0.84	0.84	0.93	1.30	1.34	1.34	1.30	2.17	2.10

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 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
42 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
43 Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
44 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
46 Denny Creek	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
47 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
48 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
49 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
50 Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51 Ebey Hill (Kevin Duncan)	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
52 Elk Creek	1.94	1.94	0.02	0.02	0.02	0.16	0.16	0.17	1.63	1.68	1.68	1.63	2.00	1.94
53 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
54 Esquatzel Small Hydro	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
55 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
56 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
57 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
58 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
59 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
60 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
61 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
62 Flying W	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
63 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
64 Forgy	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
65 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
66 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
67 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
68 Gillihan	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
69 Ground Water Pumping Station	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
70 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
71 Hancock Creek	3.00	3.00	3.00	3.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	3.00
72 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
73 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
74 Hettinger	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
75 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
76 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
77 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
78 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
79 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
80 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
81 Juniper Ridge Hydro	3.37	3.37	3.37	3.37	0	0	0	0	0	3.37	3.37	3.37	3.37	3.37



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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 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
83 Kaster Riverview	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
84 Koma Kulshan	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
85 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
86 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
87 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
88 Lake Creek (OR)	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
89 Lake Oswego	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
90 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
91 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
92 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
93 Little Butte Ranch	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
94 Little Mac	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
95 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
96 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
97 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
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
99 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
100 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
101 LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
102 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
103 Macks 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
104 Magic 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
105 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
106 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
107 Meyers Falls	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
108 Meyers Falls 1910	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
109 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
110 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
111 Mill Creek (Cove Hydro)	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
112 Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 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
114 Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
115 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
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	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
118 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
119 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
120 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
121 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
122 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

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
123 North Gooding Main	1.30	1.30	1.30	1.30	0	0	0	0	0	0	1.30	1.30	1.30	1.30
124 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
125 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
126 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
127 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
128 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
129 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
130 Pancheri	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0.01
131 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
132 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 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
134 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
135 Poderosa	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
136 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
137 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
138 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
139 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
140 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
141 Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
142 Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
143 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
144 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
145 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
146 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
147 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
148 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
149 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
150 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
151 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
152 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
153 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
154 Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
155 Smith Creek (Washington)	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
156 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
157 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
158 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
159 Spencer Lake Hydro	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
160 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162 Stevenson #1	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
163 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09

**Regional: Small Hydro**  
**Operating Year 2028 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
164 Strawberry Creek (MT)	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
165 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
166 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
167 Syqitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 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
169 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
170 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
171 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
172 Twin Falls (WA)	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
173 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
174 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
175 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
176 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
177 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70
178 Weeks Falls	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
179 White Ranch	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
180 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
181 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
182 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
183 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
184 Wolf Creek	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
185 Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
186 Yakama Drop 2	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
187 Yakama Drop 3	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
188 Youngs Creek	0.07	0.07	0.54	1.65	3.29	2.73	2.92	3.85	6.48	6.44	6.44	2.49	0.56	0.17
189 Zena Creek Ranch	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
<b>Total Small Hydro</b>														
190 Cooperative	2.12	2.12	2.52	2.23	1.87	2.17	2.04	2.56	2.58	2.82	2.82	2.91	3.06	3.00
191 Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
192 Investor Owned Utilities	219	219	198	167	154	142	137	146	165	207	210	248	246	232
193 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
194 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
195 Public Utility District	24.7	24.7	22.8	20.8	21.4	20.9	21.1	22.0	32.4	37.7	37.7	36.1	33.9	26.1
<b>196 Total Small Hydro</b>	<b>390</b>	<b>388</b>	<b>317</b>	<b>234</b>	<b>186</b>	<b>174</b>	<b>169</b>	<b>181</b>	<b>219</b>	<b>337</b>	<b>340</b>	<b>461</b>	<b>477</b>	<b>461</b>

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***Exhibit 6***  
***Regional Combustion Turbines***

***Monthly Capacity***  
***Operating Year 2019 to 2028***  
***Using 1937-Water Conditions***

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**Regional: Combustion Turbine Resources**

**Operating Year 2019**

**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Combustion Turbine Resources</b>														
1 Alden Baily	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
2 Basin Creek Project	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
3 Beaver	495	495	502	512	522	529	529	526	522	516	516	509	502	495
4 Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
5 Beaver 8	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
6 Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
7 Boulder Park	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8 Carty Generating Station	430	430	430	430	430	430	430	430	430	430	430	430	430	430
9 Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10 Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11 Encogen	160	160	162	167	172	175	175	173	171	168	168	0	162	160
12 Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13 Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14 Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15 Frederickson CT	266	266	269	273	277	279	280	278	277	275	0	136	269	267
16 Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	0	148	147
17 Fredonia	312	312	317	326	335	341	342	338	334	329	0	161	317	312
18 Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	0	106	208	205
19 Fredonia 3 & 4	106	106	108	112	116	118	118	117	115	113	0	55.4	108	106
20 Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	132	260	257
21 Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22 Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23 Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24 Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25 Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
26 Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
27 Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	0	293	289	286
28 Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29 Olympic View	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-44.0	0	0
31 Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32 Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33 Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34 Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35 River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36 Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37 Stahlbush Island Farms Bioqas	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
38 University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
39 Whitehorn	147	147	149	153	157	160	160	158	157	155	0	152	149	147

**Regional: Combustion Turbine Resources**  
**Operating Year 2019**  
**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Total Combustion Turbine Resources</b>														
40 Investor Owned Utilities	4825	4825	4883	4959	5107	5174	5180	5134	5087	5044	4127	4261	4391	4827
41 Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234
42 Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
43 Public Utility District	398	398	399	401	403	404	405	404	403	402	264	277	399	398
<b>44 Total</b>	<b>6475</b>	<b>6475</b>	<b>6535</b>	<b>6613</b>	<b>6764</b>	<b>6831</b>	<b>6837</b>	<b>6791</b>	<b>6743</b>	<b>6699</b>	<b>5645</b>	<b>5785</b>	<b>6038</b>	<b>6478</b>

**Regional: Combustion Turbine Resources**

**Operating Year 2020**

**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Combustion Turbine Resources</b>														
1 Alden Baily	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
2 Basin Creek Project	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
3 Beaver	495	495	502	512	522	529	529	526	522	516	516	509	502	495
4 Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
5 Beaver 8	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
6 Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
7 Boulder Park	24.6	24.6	24.6	22.1	22.1	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8 Carty Generating Station	430	430	430	430	430	430	430	430	430	430	430	430	430	430
9 Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10 Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11 Encogen	160	160	162	167	172	175	175	173	171	168	168	0	162	160
12 Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13 Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14 Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15 Frederickson CT	266	266	269	273	277	279	280	278	277	275	0	136	269	267
16 Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	0	148	147
17 Fredonia	312	312	317	326	335	341	342	338	334	329	0	161	317	312
18 Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	0	106	208	205
19 Fredonia 3 & 4	106	106	108	112	116	118	118	117	115	113	0	55.4	108	106
20 Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	132	260	257
21 Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22 Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23 Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24 Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25 Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
26 Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
27 Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	0	293	289	286
28 Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29 Olympic View	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-44.0	0	0
31 Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32 Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33 Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34 Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35 River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36 Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37 Stahlbush Island Farms Bioqas	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
38 University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
39 Whitehorn	147	147	149	153	157	160	160	158	157	155	0	152	149	147



**Regional: Combustion Turbine Resources**  
**Operating Year 2020**  
**2017 White Book** Report Date: 6/1/2017 *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Total Combustion Turbine Resources</b>														
40 Investor Owned Utilities	4825	4825	4883	4956	5105	5174	5180	5134	5087	5044	4127	4261	4391	4827
41 Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234
42 Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
43 Public Utility District	398	398	399	401	403	404	405	404	403	402	264	277	399	398
<b>44 Total</b>	<b>6475</b>	<b>6475</b>	<b>6535</b>	<b>6611</b>	<b>6761</b>	<b>6831</b>	<b>6837</b>	<b>6791</b>	<b>6743</b>	<b>6699</b>	<b>5645</b>	<b>5785</b>	<b>6038</b>	<b>6478</b>

**Regional: Combustion Turbine Resources**

**Operating Year 2021**

**2017 White Book Report Date: 6/1/2017**

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Combustion Turbine Resources</b>														
1 Alden Baily	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
2 Basin Creek Project	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
3 Beaver	495	495	502	512	522	529	529	526	522	516	516	509	502	495
4 Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
5 Beaver 8	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
6 Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
7 Boulder Park	24.6	24.6	24.6	22.1	22.1	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8 Carty Generating Station	430	430	430	430	430	430	430	430	430	430	430	430	430	430
9 Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10 Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11 Encogen	160	160	162	167	172	175	175	173	171	168	168	0	162	160
12 Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13 Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14 Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15 Frederickson CT	266	266	269	273	277	279	280	278	277	275	0	136	269	267
16 Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	0	148	147
17 Fredonia	312	312	317	326	335	341	342	338	334	329	0	161	317	312
18 Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	0	106	208	205
19 Fredonia 3 & 4	106	106	108	112	116	118	118	117	115	113	0	55.4	108	106
20 Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	132	260	257
21 Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22 Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23 Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24 Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25 Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
26 Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
27 Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	0	293	289	286
28 Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29 Olympic View	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-44.0	0	0
31 Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32 Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33 Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34 Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35 River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36 Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37 Stahlbush Island Farms Bioqas	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
38 University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
39 Whitehorn	147	147	149	153	157	160	160	158	157	155	0	152	149	147

**Regional: Combustion Turbine Resources**  
**Operating Year 2021**  
**2017 White Book** Report Date: **6/1/2017** *Continued*

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Total Combustion Turbine Resources</b>														
40 Investor Owned Utilities	4825	4825	4883	4956	5105	5174	5180	5134	5087	5044	4127	4261	4391	4827
41 Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234
42 Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
43 Public Utility District	398	398	399	401	403	404	405	404	403	402	264	277	399	398
<b>44 Total</b>	<b>6475</b>	<b>6475</b>	<b>6535</b>	<b>6611</b>	<b>6761</b>	<b>6831</b>	<b>6837</b>	<b>6791</b>	<b>6743</b>	<b>6699</b>	<b>5645</b>	<b>5785</b>	<b>6038</b>	<b>6478</b>

**Regional: Combustion Turbine Resources**

**Operating Year 2022**

**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Combustion Turbine Resources</b>														
1 Alden Baily	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
2 Basin Creek Project	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
3 Beaver	495	495	502	512	522	529	529	526	522	516	516	509	502	495
4 Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
5 Beaver 8	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
6 Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
7 Boulder Park	24.6	24.6	24.6	22.1	22.1	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8 Carty Generating Station	430	430	430	430	430	430	430	430	430	430	430	430	430	430
9 Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10 Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11 Encogen	160	160	162	167	172	175	175	173	171	168	168	0	162	160
12 Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13 Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14 Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15 Frederickson CT	266	266	269	273	277	279	280	278	277	275	0	136	269	267
16 Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	0	148	147
17 Fredonia	312	312	317	326	335	341	342	338	334	329	0	161	317	312
18 Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	0	106	208	205
19 Fredonia 3 & 4	106	106	108	112	116	118	118	117	115	113	0	55.4	108	106
20 Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	132	260	257
21 Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22 Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23 Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24 Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25 Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
26 Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
27 Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	0	293	289	286
28 Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29 Olympic View	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-44.0	0	0
31 Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32 Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33 Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34 Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35 River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36 Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37 Stahlbush Island Farms Bioqas	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
38 University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
39 Whitehorn	147	147	149	153	157	160	160	158	157	155	0	152	149	147

**Regional: Combustion Turbine Resources**  
**Operating Year 2022**  
**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Total Combustion Turbine Resources</b>														
40 Investor Owned Utilities	4825	4825	4883	4956	5105	5174	5180	5134	5087	5044	4127	4261	4391	4827
41 Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234
42 Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
43 Public Utility District	398	398	399	401	403	404	405	404	403	402	264	277	399	398
<b>44 Total</b>	<b>6475</b>	<b>6475</b>	<b>6535</b>	<b>6611</b>	<b>6761</b>	<b>6831</b>	<b>6837</b>	<b>6791</b>	<b>6743</b>	<b>6699</b>	<b>5645</b>	<b>5785</b>	<b>6038</b>	<b>6478</b>

**Regional: Combustion Turbine Resources**

**Operating Year 2023**

**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Combustion Turbine Resources</b>														
1 Alden Baily	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
2 Basin Creek Project	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
3 Beaver	495	495	502	512	522	529	529	526	522	516	516	509	502	495
4 Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
5 Beaver 8	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
6 Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
7 Boulder Park	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8 Carty Generating Station	430	430	430	430	430	430	430	430	430	430	430	430	430	430
9 Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10 Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11 Encogen	160	160	162	167	172	175	175	173	171	168	168	0	162	160
12 Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13 Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14 Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15 Frederickson CT	266	266	215	219	222	223	224	222	222	220	0	109	215	213
16 Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	0	148	147
17 Fredonia	312	312	317	326	335	341	342	338	334	329	0	161	317	312
18 Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	0	106	208	205
19 Fredonia 3 & 4	106	106	108	112	116	118	118	117	115	113	0	55.4	108	106
20 Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	132	260	257
21 Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22 Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23 Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24 Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25 Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
26 Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
27 Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	0	293	289	286
28 Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29 Olympic View	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-44.0	0	0
31 Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32 Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33 Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34 Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35 River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36 Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37 Stahlbush Island Farms Bioqas	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
38 University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
39 Whitehorn	147	147	149	153	157	160	160	158	157	155	0	152	149	147

**Regional: Combustion Turbine Resources**  
**Operating Year 2023**  
**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Total Combustion Turbine Resources</b>														
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41 Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234
42 Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
43 Public Utility District	398	398	345	347	348	349	349	348	348	347	264	250	345	345
<b>44 Total</b>	<b>6475</b>	<b>6475</b>	<b>6482</b>	<b>6559</b>	<b>6708</b>	<b>6775</b>	<b>6781</b>	<b>6735</b>	<b>6688</b>	<b>6644</b>	<b>5645</b>	<b>5758</b>	<b>5984</b>	<b>6425</b>

**Regional: Combustion Turbine Resources**

**Operating Year 2024**

**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Combustion Turbine Resources</b>														
1 Alden Baily	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
2 Basin Creek Project	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
3 Beaver	495	495	502	512	522	529	529	526	522	516	516	509	502	495
4 Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
5 Beaver 8	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
6 Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
7 Boulder Park	24.6	24.6	24.6	22.1	22.1	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8 Carty Generating Station	430	430	430	430	430	430	430	430	430	430	430	430	430	430
9 Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10 Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11 Encogen	160	160	162	167	172	175	175	173	171	168	168	0	162	160
12 Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13 Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14 Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15 Frederickson CT	213	213	215	219	222	223	224	222	222	220	0	109	215	213
16 Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	0	148	147
17 Fredonia	312	312	317	326	335	341	342	338	334	329	0	161	317	312
18 Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	0	106	208	205
19 Fredonia 3 & 4	106	106	108	112	116	118	118	117	115	113	0	55.4	108	106
20 Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	132	260	257
21 Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22 Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23 Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24 Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25 Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
26 Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
27 Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	0	293	289	286
28 Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29 Olympic View	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-44.0	0	0
31 Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32 Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33 Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34 Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35 River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36 Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37 Stahlbush Island Farms Bioqas	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
38 University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
39 Whitehorn	147	147	149	153	157	160	160	158	157	155	0	152	149	147



**Regional: Combustion Turbine Resources**  
**Operating Year 2024**  
**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Total Combustion Turbine Resources</b>														
40 Investor Owned Utilities	4825	4825	4883	4956	5105	5174	5180	5134	5087	5044	4127	4261	4391	4827
41 Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234
42 Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
43 Public Utility District	344	344	345	347	348	349	349	348	348	347	264	250	345	345
<b>44 Total</b>	<b>6422</b>	<b>6422</b>	<b>6482</b>	<b>6556</b>	<b>6706</b>	<b>6775</b>	<b>6781</b>	<b>6735</b>	<b>6688</b>	<b>6644</b>	<b>5645</b>	<b>5758</b>	<b>5984</b>	<b>6425</b>

**Regional: Combustion Turbine Resources**

**Operating Year 2025**

**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Combustion Turbine Resources</b>														
1 Alden Baily	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
2 Basin Creek Project	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
3 Beaver	495	495	502	512	522	529	529	526	522	516	516	509	502	495
4 Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
5 Beaver 8	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
6 Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
7 Boulder Park	24.6	24.6	24.6	22.1	22.1	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8 Carty Generating Station	430	430	430	430	430	430	430	430	430	430	430	430	430	430
9 Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10 Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11 Encogen	160	160	162	167	172	175	175	173	171	168	168	0	162	160
12 Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13 Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14 Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15 Frederickson CT	213	213	215	219	222	223	224	222	222	220	0	109	215	213
16 Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	0	148	147
17 Fredonia	312	312	317	326	335	341	342	338	334	329	0	161	317	312
18 Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	0	106	208	205
19 Fredonia 3 & 4	106	106	108	112	116	118	118	117	115	113	0	55.4	108	106
20 Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	132	260	257
21 Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22 Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23 Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24 Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25 Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
26 Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
27 Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	0	293	289	286
28 Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29 Olympic View	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-44.0	0	0
31 Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32 Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33 Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34 Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35 River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36 Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37 Stahlbush Island Farms Bioqas	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
38 University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
39 Whitehorn	147	147	149	153	157	160	160	158	157	155	0	152	149	147

**Regional: Combustion Turbine Resources**  
**Operating Year 2025**  
**2017 White Book** Report Date: 6/1/2017 *Continued*

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Total Combustion Turbine Resources</b>														
40 Investor Owned Utilities	4825	4825	4883	4956	5105	5174	5180	5134	5087	5044	4127	4261	4391	4827
41 Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234
42 Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
43 Public Utility District	344	344	345	347	348	349	349	348	348	347	264	250	345	345
<b>44 Total</b>	<b>6422</b>	<b>6422</b>	<b>6482</b>	<b>6556</b>	<b>6706</b>	<b>6775</b>	<b>6781</b>	<b>6735</b>	<b>6688</b>	<b>6644</b>	<b>5645</b>	<b>5758</b>	<b>5984</b>	<b>6425</b>

**Regional: Combustion Turbine Resources**

**Operating Year 2026**

**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Combustion Turbine Resources</b>														
1 Alden Baily	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
2 Basin Creek Project	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
3 Beaver	495	495	502	512	522	529	529	526	522	516	516	509	502	495
4 Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
5 Beaver 8	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
6 Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
7 Boulder Park	24.6	24.6	24.6	22.1	22.1	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8 Carty Generating Station	430	430	430	430	430	430	430	430	430	430	430	430	430	430
9 Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10 Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11 Encogen	160	160	162	167	172	175	175	173	171	168	168	0	162	160
12 Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13 Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14 Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15 Frederickson CT	213	213	215	219	222	223	224	222	222	220	0	109	215	213
16 Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	0	148	147
17 Fredonia	312	312	317	326	335	341	342	338	334	329	0	161	317	312
18 Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	0	106	208	205
19 Fredonia 3 & 4	106	106	108	112	116	118	118	117	115	113	0	55.4	108	106
20 Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	132	260	257
21 Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22 Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23 Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24 Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25 Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
26 Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
27 Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	0	293	289	286
28 Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29 Olympic View	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-44.0	0	0
31 Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32 Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33 Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34 Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35 River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36 Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37 Stahlbush Island Farms Bioqas	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
38 University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
39 Whitehorn	147	147	149	153	157	160	160	158	157	155	0	152	149	147

**Regional: Combustion Turbine Resources**  
**Operating Year 2026**  
**2017 White Book** Report Date: 6/1/2017 *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Total Combustion Turbine Resources</b>														
40 Investor Owned Utilities	4825	4825	4883	4956	5105	5174	5180	5134	5087	5044	4127	4261	4391	4827
41 Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234
42 Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
43 Public Utility District	344	344	345	347	348	349	349	348	348	347	264	250	345	345
<b>44 Total</b>	<b>6422</b>	<b>6422</b>	<b>6482</b>	<b>6556</b>	<b>6706</b>	<b>6775</b>	<b>6781</b>	<b>6735</b>	<b>6688</b>	<b>6644</b>	<b>5645</b>	<b>5758</b>	<b>5984</b>	<b>6425</b>

**Regional: Combustion Turbine Resources**

**Operating Year 2027**

**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Combustion Turbine Resources</b>														
1 Alden Baily	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
2 Basin Creek Project	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
3 Beaver	495	495	502	512	522	529	529	526	522	516	516	509	502	495
4 Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
5 Beaver 8	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
6 Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
7 Boulder Park	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8 Carty Generating Station	430	430	430	430	430	430	430	430	430	430	430	430	430	430
9 Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10 Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11 Encogen	160	160	162	167	172	175	175	173	171	168	168	0	162	160
12 Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13 Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14 Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15 Frederickson CT	213	213	215	219	222	223	224	222	222	220	0	109	215	213
16 Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	0	148	147
17 Fredonia	312	312	317	326	335	341	342	338	334	329	0	161	317	312
18 Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	0	106	208	205
19 Fredonia 3 & 4	106	106	108	112	116	118	118	117	115	113	0	55.4	108	106
20 Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	132	260	257
21 Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22 Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23 Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24 Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25 Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
26 Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
27 Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	0	293	289	286
28 Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29 Olympic View	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-44.0	0	0
31 Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32 Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33 Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34 Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35 River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36 Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37 Stahlbush Island Farms Bioqas	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
38 University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
39 Whitehorn	147	147	149	153	157	160	160	158	157	155	0	152	149	147

**Regional: Combustion Turbine Resources**  
**Operating Year 2027**  
**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Total Combustion Turbine Resources</b>														
40 Investor Owned Utilities	4825	4825	4883	4959	5107	5174	5180	5134	5087	5044	4127	4261	4391	4827
41 Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234
42 Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
43 Public Utility District	344	344	345	347	348	349	349	348	348	347	264	250	345	345
<b>44 Total</b>	<b>6422</b>	<b>6422</b>	<b>6482</b>	<b>6559</b>	<b>6708</b>	<b>6775</b>	<b>6781</b>	<b>6735</b>	<b>6688</b>	<b>6644</b>	<b>5645</b>	<b>5758</b>	<b>5984</b>	<b>6425</b>

**Regional: Combustion Turbine Resources**

**Operating Year 2028**

**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Combustion Turbine Resources</b>														
1 Alden Baily	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
2 Basin Creek Project	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
3 Beaver	495	495	502	512	522	529	529	526	522	516	516	509	502	495
4 Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
5 Beaver 8	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
6 Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
7 Boulder Park	24.6	24.6	24.6	22.1	22.1	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8 Carty Generating Station	430	430	430	430	430	430	430	430	430	430	430	430	430	430
9 Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10 Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11 Encogen	160	160	162	167	172	175	175	173	171	168	168	0	162	160
12 Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13 Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14 Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15 Frederickson CT	213	213	215	219	222	223	224	222	222	220	0	109	215	213
16 Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	0	148	147
17 Fredonia	312	312	317	326	335	341	342	338	334	329	0	161	317	312
18 Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	0	106	208	205
19 Fredonia 3 & 4	106	106	108	112	116	118	118	117	115	113	0	55.4	108	106
20 Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	132	260	257
21 Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22 Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23 Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24 Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25 Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
26 Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
27 Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	0	293	289	286
28 Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29 Olympic View	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-44.0	0	0
31 Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32 Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33 Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34 Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35 River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36 Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37 Stahlbush Island Farms Bioqas	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
38 University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
39 Whitehorn	147	147	149	153	157	160	160	158	157	155	0	152	149	147



**Regional: Combustion Turbine Resources**  
**Operating Year 2028**  
**2017 White Book** Report Date: 6/1/2017 *Continued*

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Total Combustion Turbine Resources</b>														
40 Investor Owned Utilities	4825	4825	4883	4956	5105	5174	5180	5134	5087	5044	4127	4261	4391	4827
41 Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234
42 Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
43 Public Utility District	344	344	345	347	348	349	349	348	348	347	264	250	345	345
<b>44 Total</b>	<b>6422</b>	<b>6422</b>	<b>6482</b>	<b>6556</b>	<b>6706</b>	<b>6775</b>	<b>6781</b>	<b>6735</b>	<b>6688</b>	<b>6644</b>	<b>5645</b>	<b>5758</b>	<b>5984</b>	<b>6425</b>

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***Exhibit 7***  
***Regional Renewable Resources***

***Monthly Capacity***  
***Operating Year 2019 to 2028***  
***Using 1937-Water Conditions***

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**Regional: Renewable Resources**  
**Operating Year 2019**  
**2017 White Book Report Date: 6/1/2017**

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Renewable Resources</b>														
1 3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 American Falls Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 American Falls Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 American Falls Solar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 City Council	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
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Baldock Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Bannock County Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
12 Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Benson Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 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
16 Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 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
20 Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Black Cap Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Blue Basin Power	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
26 Boise City Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Camp Reed Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 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
32 Clark Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
34 Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
35 Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
36 Cold Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Columbia Ridge Landfill	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
38 Combine Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Regional: Renewable Resources**  
**Operating Year 2019**  
**2017 White Book** Report Date: 6/1/2017 *Continued*

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
40 Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Condon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Condon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Condon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Cowlitz Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Cowlitz Community Solar - Admin Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Cowlitz Community Solar - Operations Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 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
49 Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Domaine Drouhin Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 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
52 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 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
54 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
55 Durbin Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Edaleen Cow Power	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
60 Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Farm Power Lynden	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
62 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
63 Farm Power Rexville	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
64 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
65 Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
66 Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
67 Finn Hill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Flathead County Landfill	1.40	1.40	1.40	1.40	1.30	1.30	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.40
69 Foote Creek 1 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Foote Creek 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Foote Creek 4 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Forest Glen Oaks Dairy	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
73 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Goodnoe Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Goshen North (Ridgeline Wind)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Grayland Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Grove Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Regional: Renewable Resources**  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
80 H.W. Hill Landfill Gas (Roosevelt)	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
81 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 HW Hill Landfill Gas 2	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
83 Hammett Hill Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
88 High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Hopkins Ridge Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Hopkins Ridge 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 Hyline Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 Industrial Finishes Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 JC-Biomethane	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
98 Jett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 Josef Stauer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Juniper Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 Kettle Falls (biomass)	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
102 King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 Klondike Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 Klondike Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Klondike Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Klondike Wind 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Lakeview Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Lakeview Solar 500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112 Leaning Juniper Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116 Lewandowski Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117 Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118 Linden Ranch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Livingston Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120 Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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**Operating Year 2019**  
**2017 White Book Report Date: 6/1/2017 *Continued***

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
121 Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122 Tucannon River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123 LRI/Graham Landfill - BioFuels	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37
124 Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125 Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128 Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129 Five Pine Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 North Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131 Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 Mountain Home Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Moyer-Tolles Solar Station	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
134 Murphy Flat Solar Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135 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
136 Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137 Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Open Range Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Orchard Ranch Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143 Outback Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144 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
145 Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146 PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148 Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Pepsi-Cola Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Pepsi-Cola Eugene Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151 Pepsi-Cola Klamath Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
155 Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
156 Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Prospector Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
159 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
160 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
161 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

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162 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164 Railroad Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165 Rainier Bioqas	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
166 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
168 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
169 Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172 Salmon Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 Sawtooth Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174 Shepherds Flat Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175 Shepherds Flat - Central (South Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176 Shepherds Flat - North (North Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177 Shepherds Flat - South (Horseshoe Bend)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178 Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
179 Simco Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180 Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 Stateline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182 Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184 Steel Bridge Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
186 Swaqr Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188 Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189 Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190 Thunderegg Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Vale Air Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196 Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
197 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
198 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0



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201 Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Wheat Field Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 White Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Wild Horse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Willow Spring Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Wolverine Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216 Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217 Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Renewable Resources</b>														
218 Cooperative	11.2	11.2	11.2	11.2	10.9	10.9	10.9	10.9	10.9	11.2	11.2	11.2	11.2	11.2
219 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Investor Owned Utilities	118	118	118	119	119	119	107	119	117	117	117	118	117	117
221 Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Municipality	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
223 Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
224 Public Utility District	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
<b>225 Total</b>	<b>175</b>	<b>175</b>	<b>175</b>	<b>176</b>	<b>176</b>	<b>176</b>	<b>164</b>	<b>176</b>	<b>174</b>	<b>174</b>	<b>174</b>	<b>175</b>	<b>174</b>	<b>174</b>

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<b>Renewable Resources</b>														
1 3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 American Falls Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 American Falls Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 American Falls Solar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 City Council	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
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Baldock Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Bannock County Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
12 Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Benson Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 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
16 Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 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
20 Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Black Cap Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Blue Basin Power	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
26 Boise City Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Camp Reed Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 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
32 Clark Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
34 Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
35 Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
36 Cold Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Columbia Ridge Landfill	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
38 Combine Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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40 Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Condon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Condon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Condon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Cowlitz Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Cowlitz Community Solar - Admin Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Cowlitz Community Solar - Operations Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 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
49 Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Domaine Drouhin Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 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
52 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 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
54 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
55 Durbin Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Edaleen Cow Power	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
60 Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Farm Power Lynden	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
62 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
63 Farm Power Rexville	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
64 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
65 Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
66 Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
67 Finn Hill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Flathead County Landfill	1.40	1.40	1.40	1.40	1.30	1.30	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.40
69 Foote Creek 1 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Foote Creek 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Foote Creek 4 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Forest Glen Oaks Dairy	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
73 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Goodnoe Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Goshen North (Ridgeline Wind)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Grayland Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Grove Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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80 H.W. Hill Landfill Gas (Roosevelt)	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
81 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 HW Hill Landfill Gas 2	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
83 Hammett Hill Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
88 High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Hopkins Ridge Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Hopkins Ridge 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 Hyline Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 Industrial Finishes Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 JC-Biomethane	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
98 Jett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 Josef Stauer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Juniper Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 Kettle Falls (biomass)	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
102 King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 Klondike Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 Klondike Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Klondike Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Klondike Wind 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Lakeview Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Lakeview Solar 500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112 Leaning Juniper Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116 Lewandowski Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117 Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118 Linden Ranch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Livingston Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120 Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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121 Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122 Tucannon River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123 LRI/Graham Landfill - BioFuels	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37
124 Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125 Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128 Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129 Five Pine Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 North Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131 Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 Mountain Home Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Moyer-Tolles Solar Station	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
134 Murphy Flat Solar Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135 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
136 Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137 Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Open Range Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Orchard Ranch Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143 Outback Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144 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
145 Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146 PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148 Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Pepsi-Cola Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Pepsi-Cola Eugene Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151 Pepsi-Cola Klamath Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
155 Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
156 Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Prospector Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
159 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
160 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
161 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

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162 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164 Railroad Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165 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
166 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
168 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
169 Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172 Salmon Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 Sawtooth Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174 Shepherds Flat Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175 Shepherds Flat - Central (South Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176 Shepherds Flat - North (North Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177 Shepherds Flat - South (Horseshoe Bend)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178 Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
179 Simco Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180 Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 Stateline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182 Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184 Steel Bridge Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
186 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188 Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189 Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190 Thunderegg Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Vale Air Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196 Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
197 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
198 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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201 Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Wheat Field Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 White Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Wild Horse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Willow Spring Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Wolverine Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216 Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217 Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Renewable Resources</b>														
218 Cooperative	11.2	11.2	11.2	11.2	10.9	10.9	10.9	10.9	10.9	11.2	11.2	11.2	11.2	11.2
219 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Investor Owned Utilities	118	118	118	119	119	119	107	119	117	117	117	118	117	117
221 Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Municipality	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
223 Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
224 Public Utility District	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
<b>225 Total</b>	<b>175</b>	<b>175</b>	<b>175</b>	<b>176</b>	<b>176</b>	<b>176</b>	<b>164</b>	<b>176</b>	<b>174</b>	<b>174</b>	<b>174</b>	<b>175</b>	<b>174</b>	<b>174</b>

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<b>Renewable Resources</b>														
1 3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 American Falls Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 American Falls Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 American Falls Solar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 City Council	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
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Baldock Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Bannock County Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
12 Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Benson Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 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
16 Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 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
20 Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Black Cap Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Blue Basin Power	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
26 Boise City Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Camp Reed Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 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
32 Clark Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
34 Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
35 Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
36 Cold Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Columbia Ridge Landfill	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
38 Combine Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0



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40 Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Condon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Condon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Condon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Cowlitz Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Cowlitz Community Solar - Admin Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Cowlitz Community Solar - Operations Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 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
49 Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Domaine Drouhin Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 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
52 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 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
54 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
55 Durbin Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Edaleen Cow Power	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
60 Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Farm Power Lynden	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
62 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
63 Farm Power Rexville	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
64 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
65 Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
66 Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
67 Finn Hill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Flathead County Landfill	1.40	1.40	1.40	1.40	1.30	1.30	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.40
69 Foote Creek 1 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Foote Creek 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Foote Creek 4 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Forest Glen Oaks Dairy	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
73 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Goodnoe Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Goshen North (Ridgeline Wind)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Grayland Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Grove Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
80 H.W. Hill Landfill Gas (Roosevelt)	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
81 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 HW Hill Landfill Gas 2	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
83 Hammett Hill Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
88 High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Hopkins Ridge Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Hopkins Ridge 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 Hyline Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 Industrial Finishes Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 JC-Biomethane	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
98 Jett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 Josef Stauer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Juniper Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 Kettle Falls (biomass)	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
102 King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 Klondike Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 Klondike Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Klondike Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Klondike Wind 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Lakeview Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Lakeview Solar 500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112 Leaning Juniper Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116 Lewandowski Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117 Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118 Linden Ranch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Livingston Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120 Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
121 Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122 Tucannon River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123 LRI/Graham Landfill - BioFuels	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37
124 Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125 Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128 Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129 Five Pine Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 North Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131 Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 Mountain Home Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Moyer-Tolles Solar Station	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
134 Murphy Flat Solar Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135 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
136 Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137 Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Open Range Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Orchard Ranch Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143 Outback Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144 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
145 Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146 PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148 Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Pepsi-Cola Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Pepsi-Cola Eugene Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151 Pepsi-Cola Klamath Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
155 Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
156 Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Prospector Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
159 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
160 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
161 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

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
162 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164 Railroad Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165 Rainier Bioqas	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
166 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
168 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
169 Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172 Salmon Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 Sawtooth Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174 Shepherds Flat Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175 Shepherds Flat - Central (South Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176 Shepherds Flat - North (North Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177 Shepherds Flat - South (Horseshoe Bend)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178 Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
179 Simco Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180 Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 Stateline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182 Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184 Steel Bridge Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
186 Swaqr Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188 Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189 Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190 Thunderegg Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Vale Air Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196 Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
197 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
198 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
201 Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Wheat Field Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 White Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Wild Horse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Willow Spring Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Wolverine Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216 Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217 Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Renewable Resources</b>														
218 Cooperative	11.2	11.2	11.2	11.2	10.9	10.9	10.9	10.9	10.9	11.2	11.2	11.2	11.2	11.2
219 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Investor Owned Utilities	118	118	118	119	119	119	107	119	117	117	117	118	117	117
221 Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Municipality	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
223 Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
224 Public Utility District	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
<b>225 Total</b>	<b>175</b>	<b>175</b>	<b>175</b>	<b>176</b>	<b>176</b>	<b>176</b>	<b>164</b>	<b>176</b>	<b>174</b>	<b>174</b>	<b>174</b>	<b>175</b>	<b>174</b>	<b>174</b>

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Renewable Resources</b>														
1 3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 American Falls Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 American Falls Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 American Falls Solar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 City Council	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
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Baldock Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Bannock County Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
12 Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Benson Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 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
16 Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 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
20 Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Black Cap Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Blue Basin Power	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
26 Boise City Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Camp Reed Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 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
32 Clark Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
34 Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
35 Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
36 Cold Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Columbia Ridge Landfill	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
38 Combine Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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40 Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Condon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Condon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Condon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Cowlitz Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Cowlitz Community Solar - Admin Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Cowlitz Community Solar - Operations Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 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
49 Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Domaine Drouhin Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 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
52 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 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
54 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
55 Durbin Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Edaleen Cow Power	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
60 Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Farm Power Lynden	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
62 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
63 Farm Power Rexville	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
64 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
65 Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
66 Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
67 Finn Hill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Flathead County Landfill	1.40	1.40	1.40	1.40	1.30	1.30	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.40
69 Foote Creek 1 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Foote Creek 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Foote Creek 4 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Forest Glen Oaks Dairy	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
73 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Goodnoe Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Goshen North (Ridgeline Wind)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Grayland Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Grove Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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80 H.W. Hill Landfill Gas (Roosevelt)	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
81 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 HW Hill Landfill Gas 2	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
83 Hammett Hill Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
88 High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Hopkins Ridge Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Hopkins Ridge 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 Hyline Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 Industrial Finishes Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 JC-Biomethane	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
98 Jett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 Josef Stauer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Juniper Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 Kettle Falls (biomass)	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
102 King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 Klondike Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 Klondike Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Klondike Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Klondike Wind 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Lakeview Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Lakeview Solar 500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112 Leaning Juniper Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116 Lewandowski Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117 Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118 Linden Ranch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Livingston Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120 Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0



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121 Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122 Tucannon River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123 LRI/Graham Landfill - BioFuels	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37
124 Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125 Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128 Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129 Five Pine Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 North Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131 Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 Mountain Home Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Moyer-Tolles Solar Station	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
134 Murphy Flat Solar Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135 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
136 Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137 Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Open Range Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Orchard Ranch Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143 Outback Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144 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
145 Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146 PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148 Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Pepsi-Cola Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Pepsi-Cola Eugene Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151 Pepsi-Cola Klamath Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
155 Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
156 Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Prospector Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
159 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
160 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
161 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

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162 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164 Railroad Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165 Rainier Bioqas	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
166 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
168 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
169 Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172 Salmon Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 Sawtooth Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174 Shepherds Flat Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175 Shepherds Flat - Central (South Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176 Shepherds Flat - North (North Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177 Shepherds Flat - South (Horseshoe Bend)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178 Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
179 Simco Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180 Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 Stateline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182 Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184 Steel Bridge Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
186 Swaqr Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188 Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189 Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190 Thunderegg Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Vale Air Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196 Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
197 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
198 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
201 Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Wheat Field Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 White Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Wild Horse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Willow Spring Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Wolverine Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216 Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217 Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Renewable Resources</b>														
218 Cooperative	11.2	11.2	11.2	11.2	10.9	10.9	10.9	10.9	10.9	11.2	11.2	11.2	11.2	11.2
219 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Investor Owned Utilities	118	118	118	119	119	119	107	119	117	117	117	118	117	117
221 Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Municipality	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
223 Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
224 Public Utility District	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
<b>225 Total</b>	<b>175</b>	<b>175</b>	<b>175</b>	<b>176</b>	<b>176</b>	<b>176</b>	<b>164</b>	<b>176</b>	<b>174</b>	<b>174</b>	<b>174</b>	<b>175</b>	<b>174</b>	<b>174</b>

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Renewable Resources</b>														
1 3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 American Falls Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 American Falls Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 American Falls Solar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 City Council	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
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Baldock Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Bannock County Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
12 Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Benson Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 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
16 Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 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
20 Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Black Cap Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Blue Basin Power	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
26 Boise City Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Camp Reed Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 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
32 Clark Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
34 Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
35 Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
36 Cold Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Columbia Ridge Landfill	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
38 Combine Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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40 Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Condon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Condon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Condon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Cowlitz Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Cowlitz Community Solar - Admin Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Cowlitz Community Solar - Operations Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 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
49 Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Domaine Drouhin Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 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
52 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 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
54 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
55 Durbin Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Edaleen Cow Power	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
60 Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Farm Power Lynden	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
62 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
63 Farm Power Rexville	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
64 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
65 Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
66 Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
67 Finn Hill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Flathead County Landfill	1.40	1.40	1.40	1.40	1.30	1.30	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.40
69 Foote Creek 1 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Foote Creek 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Foote Creek 4 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Forest Glen Oaks Dairy	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
73 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Goodnoe Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Goshen North (Ridgeline Wind)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Grayland Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Grove Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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80 H.W. Hill Landfill Gas (Roosevelt)	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
81 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 HW Hill Landfill Gas 2	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
83 Hammett Hill Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
88 High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Hopkins Ridge Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Hopkins Ridge 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 Hyline Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 Industrial Finishes Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 JC-Biomethane	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
98 Jett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 Josef Stauer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Juniper Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 Kettle Falls (biomass)	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
102 King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 Klondike Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 Klondike Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Klondike Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Klondike Wind 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Lakeview Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Lakeview Solar 500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112 Leaning Juniper Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116 Lewandowski Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117 Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118 Linden Ranch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Livingston Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120 Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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121 Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122 Tucannon River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123 LRI/Graham Landfill - BioFuels	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37
124 Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125 Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128 Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129 Five Pine Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 North Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131 Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 Mountain Home Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Moyer-Tolles Solar Station	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
134 Murphy Flat Solar Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135 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
136 Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137 Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Open Range Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Orchard Ranch Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143 Outback Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144 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
145 Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146 PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148 Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Pepsi-Cola Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Pepsi-Cola Eugene Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151 Pepsi-Cola Klamath Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
155 Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
156 Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Prospector Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
159 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
160 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
161 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

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162 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164 Railroad Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165 Rainier Bioqas	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
166 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
168 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
169 Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172 Salmon Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 Sawtooth Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174 Shepherds Flat Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175 Shepherds Flat - Central (South Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176 Shepherds Flat - North (North Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177 Shepherds Flat - South (Horseshoe Bend)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178 Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
179 Simco Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180 Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 Stateline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182 Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184 Steel Bridge Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
186 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188 Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189 Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190 Thunderegg Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Vale Air Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196 Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
197 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
198 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0



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201 Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Wheat Field Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 White Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Wild Horse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Willow Spring Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Wolverine Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216 Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217 Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Renewable Resources</b>														
218 Cooperative	11.2	11.2	11.2	11.2	10.9	10.9	10.9	10.9	10.9	11.2	11.2	11.2	11.2	11.2
219 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Investor Owned Utilities	118	118	118	119	119	119	107	119	117	117	117	118	117	117
221 Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Municipality	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
223 Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
224 Public Utility District	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
<b>225 Total</b>	<b>175</b>	<b>175</b>	<b>175</b>	<b>176</b>	<b>176</b>	<b>176</b>	<b>164</b>	<b>176</b>	<b>174</b>	<b>174</b>	<b>174</b>	<b>175</b>	<b>174</b>	<b>174</b>

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<b>Renewable Resources</b>														
1 3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 American Falls Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 American Falls Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 American Falls Solar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 City Council	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
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Baldock Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Bannock County Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
12 Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Benson Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 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
16 Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 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
20 Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Black Cap Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Blue Basin Power	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
26 Boise City Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Camp Reed Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 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
32 Clark Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
34 Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
35 Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
36 Cold Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Columbia Ridge Landfill	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
38 Combine Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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40 Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Condon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Condon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Condon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Cowlitz Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Cowlitz Community Solar - Admin Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Cowlitz Community Solar - Operations Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 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
49 Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Domaine Drouhin Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 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
52 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 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
54 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
55 Durbin Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Edaleen Cow Power	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
60 Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Farm Power Lynden	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
62 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
63 Farm Power Rexville	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
64 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
65 Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
66 Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
67 Finn Hill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Flathead County Landfill	1.40	1.40	1.40	1.40	1.30	1.30	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.40
69 Foote Creek 1 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Foote Creek 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Foote Creek 4 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Forest Glen Oaks Dairy	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
73 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Goodnoe Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Goshen North (Ridgeline Wind)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Grayland Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Grove Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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80 H.W. Hill Landfill Gas (Roosevelt)	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
81 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 HW Hill Landfill Gas 2	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
83 Hammett Hill Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
88 High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Hopkins Ridge Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Hopkins Ridge 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 Hyline Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 Industrial Finishes Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 JC-Biomethane	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
98 Jett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 Josef Stauer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Juniper Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 Kettle Falls (biomass)	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
102 King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 Klondike Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 Klondike Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Klondike Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Klondike Wind 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Lakeview Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Lakeview Solar 500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112 Leaning Juniper Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116 Lewandowski Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117 Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118 Linden Ranch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Livingston Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120 Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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121 Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122 Tucannon River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123 LRI/Graham Landfill - BioFuels	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37
124 Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125 Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128 Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129 Five Pine Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 North Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131 Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 Mountain Home Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Moyer-Tolles Solar Station	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
134 Murphy Flat Solar Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135 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
136 Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137 Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Open Range Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Orchard Ranch Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143 Outback Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144 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
145 Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146 PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148 Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Pepsi-Cola Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Pepsi-Cola Eugene Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151 Pepsi-Cola Klamath Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
155 Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
156 Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Prospector Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
159 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
160 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
161 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

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162 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164 Railroad Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165 Rainier Bioqas	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
166 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
168 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
169 Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172 Salmon Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 Sawtooth Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174 Shepherds Flat Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175 Shepherds Flat - Central (South Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176 Shepherds Flat - North (North Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177 Shepherds Flat - South (Horseshoe Bend)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178 Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
179 Simco Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180 Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 Stateline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182 Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184 Steel Bridge Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
186 Swaqr Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188 Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189 Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190 Thunderegg Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Vale Air Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196 Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
197 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
198 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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201 Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Wheat Field Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 White Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Wild Horse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Willow Spring Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Wolverine Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216 Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217 Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Renewable Resources</b>														
218 Cooperative	11.2	11.2	11.2	11.2	10.9	10.9	10.9	10.9	10.9	11.2	11.2	11.2	11.2	11.2
219 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Investor Owned Utilities	118	118	118	119	119	119	107	119	117	117	117	118	117	117
221 Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Municipality	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
223 Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
224 Public Utility District	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
<b>225 Total</b>	<b>175</b>	<b>175</b>	<b>175</b>	<b>176</b>	<b>176</b>	<b>176</b>	<b>164</b>	<b>176</b>	<b>174</b>	<b>174</b>	<b>174</b>	<b>175</b>	<b>174</b>	<b>174</b>

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<b>Renewable Resources</b>														
1 3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 American Falls Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 American Falls Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 American Falls Solar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 City Council	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
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Baldock Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Bannock County Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
12 Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Benson Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 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
16 Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 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
20 Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Black Cap Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Blue Basin Power	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
26 Boise City Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Camp Reed Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 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
32 Clark Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
34 Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
35 Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
36 Cold Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Columbia Ridge Landfill	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
38 Combine Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0



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40 Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Condon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Condon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Condon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Cowlitz Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Cowlitz Community Solar - Admin Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Cowlitz Community Solar - Operations Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 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
49 Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Domaine Drouhin Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 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
52 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 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
54 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
55 Durbin Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Edaleen Cow Power	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
60 Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Farm Power Lynden	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
62 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
63 Farm Power Rexville	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
64 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
65 Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
66 Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
67 Finn Hill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Flathead County Landfill	1.40	1.40	1.40	1.40	1.30	1.30	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.40
69 Foote Creek 1 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Foote Creek 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Foote Creek 4 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Forest Glen Oaks Dairy	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
73 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Goodnoe Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Goshen North (Ridgeline Wind)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Grayland Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Grove Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
80 H.W. Hill Landfill Gas (Roosevelt)	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
81 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 HW Hill Landfill Gas 2	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
83 Hammett Hill Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
88 High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Hopkins Ridge Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Hopkins Ridge 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 Hyline Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 Industrial Finishes Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 JC-Biomethane	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
98 Jett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 Josef Stauer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Juniper Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 Kettle Falls (biomass)	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
102 King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 Klondike Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 Klondike Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Klondike Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Klondike Wind 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Lakeview Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Lakeview Solar 500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112 Leaning Juniper Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116 Lewandowski Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117 Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118 Linden Ranch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Livingston Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120 Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
121 Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122 Tucannon River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123 LRI/Graham Landfill - BioFuels	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37
124 Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125 Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128 Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129 Five Pine Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 North Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131 Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 Mountain Home Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Moyer-Tolles Solar Station	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
134 Murphy Flat Solar Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135 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
136 Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137 Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Open Range Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Orchard Ranch Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143 Outback Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144 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
145 Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146 PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148 Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Pepsi-Cola Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Pepsi-Cola Eugene Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151 Pepsi-Cola Klamath Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
155 Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
156 Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Prospector Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
159 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
160 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
161 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

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
162 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164 Railroad Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165 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
166 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
168 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
169 Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172 Salmon Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 Sawtooth Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174 Shepherds Flat Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175 Shepherds Flat - Central (South Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176 Shepherds Flat - North (North Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177 Shepherds Flat - South (Horseshoe Bend)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178 Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
179 Simco Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180 Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 Stateline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182 Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184 Steel Bridge Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
186 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188 Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189 Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190 Thunderegg Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Vale Air Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196 Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
197 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
198 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
201 Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Wheat Field Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 White Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Wild Horse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Willow Spring Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Wolverine Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216 Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217 Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Renewable Resources</b>														
218 Cooperative	11.2	11.2	11.2	11.2	10.9	10.9	10.9	10.9	10.9	11.2	11.2	11.2	11.2	11.2
219 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Investor Owned Utilities	118	118	118	119	119	119	107	119	117	117	117	118	117	117
221 Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Municipality	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
223 Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
224 Public Utility District	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
<b>225 Total</b>	<b>175</b>	<b>175</b>	<b>175</b>	<b>176</b>	<b>176</b>	<b>176</b>	<b>164</b>	<b>176</b>	<b>174</b>	<b>174</b>	<b>174</b>	<b>175</b>	<b>174</b>	<b>174</b>

**Regional: Renewable Resources**  
**Operating Year 2026**  
**2017 White Book** Report Date: 6/1/2017

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Renewable Resources</b>														
1 3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 American Falls Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 American Falls Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 American Falls Solar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 City Council	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
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Baldock Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Bannock County Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
12 Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Benson Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 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
16 Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 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
20 Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Black Cap Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Blue Basin Power	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
26 Boise City Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Camp Reed Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 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
32 Clark Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
34 Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
35 Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
36 Cold Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Columbia Ridge Landfill	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
38 Combine Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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40 Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Condon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Condon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Condon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Cowlitz Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Cowlitz Community Solar - Admin Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Cowlitz Community Solar - Operations Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 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
49 Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Domaine Drouhin Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 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
52 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 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
54 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
55 Durbin Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Edaleen Cow Power	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
60 Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Farm Power Lynden	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
62 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
63 Farm Power Rexville	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
64 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
65 Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
66 Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
67 Finn Hill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Flathead County Landfill	1.40	1.40	1.40	1.40	1.30	1.30	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.40
69 Foote Creek 1 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Foote Creek 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Foote Creek 4 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Forest Glen Oaks Dairy	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
73 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Goodnoe Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Goshen North (Ridgeline Wind)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Grayland Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Grove Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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80 H.W. Hill Landfill Gas (Roosevelt)	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
81 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 HW Hill Landfill Gas 2	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
83 Hammett Hill Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
88 High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Hopkins Ridge Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Hopkins Ridge 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 Hyline Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 Industrial Finishes Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 JC-Biomethane	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
98 Jett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 Josef Stauer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Juniper Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 Kettle Falls (biomass)	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
102 King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 Klondike Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 Klondike Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Klondike Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Klondike Wind 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Lakeview Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Lakeview Solar 500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112 Leaning Juniper Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116 Lewandowski Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117 Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118 Linden Ranch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Livingston Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120 Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0



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121 Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122 Tucannon River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123 LRI/Graham Landfill - BioFuels	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37
124 Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125 Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128 Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129 Five Pine Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 North Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131 Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 Mountain Home Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Moyer-Tolles Solar Station	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
134 Murphy Flat Solar Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135 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
136 Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137 Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Open Range Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Orchard Ranch Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143 Outback Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144 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
145 Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146 PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148 Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Pepsi-Cola Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Pepsi-Cola Eugene Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151 Pepsi-Cola Klamath Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
155 Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
156 Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Prospector Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
159 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
160 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
161 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

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162 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164 Railroad Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165 Rainier Bioqas	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
166 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
168 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
169 Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172 Salmon Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 Sawtooth Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174 Shepherds Flat Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175 Shepherds Flat - Central (South Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176 Shepherds Flat - North (North Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177 Shepherds Flat - South (Horseshoe Bend)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178 Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
179 Simco Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180 Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 Stateline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182 Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184 Steel Bridge Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
186 Swaqr Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188 Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189 Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190 Thunderegg Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Vale Air Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196 Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
197 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
198 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
201 Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Wheat Field Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 White Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Wild Horse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Willow Spring Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Wolverine Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216 Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217 Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Renewable Resources</b>														
218 Cooperative	11.2	11.2	11.2	11.2	10.9	10.9	10.9	10.9	10.9	11.2	11.2	11.2	11.2	11.2
219 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Investor Owned Utilities	118	118	118	119	119	119	107	119	117	117	117	118	117	117
221 Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Municipality	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
223 Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
224 Public Utility District	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
<b>225 Total</b>	<b>175</b>	<b>175</b>	<b>175</b>	<b>176</b>	<b>176</b>	<b>176</b>	<b>164</b>	<b>176</b>	<b>174</b>	<b>174</b>	<b>174</b>	<b>175</b>	<b>174</b>	<b>174</b>

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Renewable Resources</b>														
1 3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 American Falls Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 American Falls Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 American Falls Solar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 City Council	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
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Baldock Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Bannock County Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
12 Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Benson Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 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
16 Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 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
20 Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Black Cap Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Blue Basin Power	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
26 Boise City Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Camp Reed Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 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
32 Clark Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
34 Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
35 Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
36 Cold Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Columbia Ridge Landfill	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
38 Combine Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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40 Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Condon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Condon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Condon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Cowlitz Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Cowlitz Community Solar - Admin Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Cowlitz Community Solar - Operations Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 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
49 Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Domaine Drouhin Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 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
52 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 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
54 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
55 Durbin Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Edaleen Cow Power	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
60 Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Farm Power Lynden	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
62 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
63 Farm Power Rexville	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
64 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
65 Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
66 Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
67 Finn Hill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Flathead County Landfill	1.40	1.40	1.40	1.40	1.30	1.30	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.40
69 Foote Creek 1 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Foote Creek 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Foote Creek 4 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Forest Glen Oaks Dairy	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
73 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Goodnoe Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Goshen North (Ridgeline Wind)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Grayland Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Grove Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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80 H.W. Hill Landfill Gas (Roosevelt)	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
81 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 HW Hill Landfill Gas 2	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
83 Hammett Hill Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
88 High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Hopkins Ridge Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Hopkins Ridge 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 Hyline Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 Industrial Finishes Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 JC-Biomethane	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
98 Jett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 Josef Stauer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Juniper Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 Kettle Falls (biomass)	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
102 King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 Klondike Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 Klondike Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Klondike Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Klondike Wind 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Lakeview Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Lakeview Solar 500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112 Leaning Juniper Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116 Lewandowski Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117 Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118 Linden Ranch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Livingston Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120 Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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121 Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122 Tucannon River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123 LRI/Graham Landfill - BioFuels	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37
124 Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125 Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128 Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129 Five Pine Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 North Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131 Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 Mountain Home Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Moyer-Tolles Solar Station	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
134 Murphy Flat Solar Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135 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
136 Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137 Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Open Range Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Orchard Ranch Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143 Outback Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144 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
145 Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146 PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148 Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Pepsi-Cola Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Pepsi-Cola Eugene Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151 Pepsi-Cola Klamath Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
155 Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
156 Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Prospector Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
159 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
160 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
161 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

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
162 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164 Railroad Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165 Rainier Bioqas	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
166 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
168 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
169 Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172 Salmon Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 Sawtooth Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174 Shepherds Flat Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175 Shepherds Flat - Central (South Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176 Shepherds Flat - North (North Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177 Shepherds Flat - South (Horseshoe Bend)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178 Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
179 Simco Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180 Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 Stateline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182 Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184 Steel Bridge Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
186 Swaqr Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188 Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189 Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190 Thunderegg Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Vale Air Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196 Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
197 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
198 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0



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201 Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Wheat Field Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 White Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Wild Horse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Willow Spring Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Wolverine Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216 Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217 Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Renewable Resources</b>														
218 Cooperative	11.2	11.2	11.2	11.2	10.9	10.9	10.9	10.9	10.9	11.2	11.2	11.2	11.2	11.2
219 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Investor Owned Utilities	118	118	118	119	119	119	107	119	117	117	117	118	117	117
221 Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Municipality	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
223 Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
224 Public Utility District	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
<b>225 Total</b>	<b>175</b>	<b>175</b>	<b>175</b>	<b>176</b>	<b>176</b>	<b>176</b>	<b>164</b>	<b>176</b>	<b>174</b>	<b>174</b>	<b>174</b>	<b>175</b>	<b>174</b>	<b>174</b>

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Renewable Resources</b>														
1 3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 American Falls Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 American Falls Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 American Falls Solar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 City Council	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
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Baldock Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Bannock County Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
12 Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Benson Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 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
16 Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 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
20 Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Black Cap Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Blue Basin Power	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
26 Boise City Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Camp Reed Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 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
32 Clark Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
34 Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
35 Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
36 Cold Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Columbia Ridge Landfill	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
38 Combine Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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40 Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Condon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Condon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Condon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Cowlitz Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Cowlitz Community Solar - Admin Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Cowlitz Community Solar - Operations Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 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
49 Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Domaine Drouhin Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 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
52 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 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
54 Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
55 Durbin Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Edaleen Cow Power	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
60 Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Farm Power Lynden	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
62 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
63 Farm Power Rexville	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
64 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
65 Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
66 Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
67 Finn Hill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Flathead County Landfill	1.40	1.40	1.40	1.40	1.30	1.30	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.40
69 Foote Creek 1 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Foote Creek 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Foote Creek 4 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Forest Glen Oaks Dairy	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
73 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Goodnoe Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Goshen North (Ridgeline Wind)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Grayland Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Grove Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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80 H.W. Hill Landfill Gas (Roosevelt)	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
81 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 HW Hill Landfill Gas 2	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
83 Hammett Hill Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
88 High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Hopkins Ridge Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Hopkins Ridge 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 Hyline Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 Industrial Finishes Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 JC-Biomethane	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
98 Jett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 Josef Stauer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Juniper Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 Kettle Falls (biomass)	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
102 King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 Klondike Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 Klondike Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Klondike Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Klondike Wind 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Lakeview Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Lakeview Solar 500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112 Leaning Juniper Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116 Lewandowski Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117 Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118 Linden Ranch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Livingston Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120 Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Regional: Renewable Resources**

**Operating Year 2028**

**2017 White Book** Report Date: 6/1/2017 *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
121 Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122 Tucannon River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123 LRI/Graham Landfill - BioFuels	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37
124 Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125 Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128 Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129 Five Pine Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 North Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131 Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 Mountain Home Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Moyer-Tolles Solar Station	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
134 Murphy Flat Solar Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135 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
136 Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137 Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Open Range Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Orchard Ranch Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143 Outback Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144 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
145 Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146 PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148 Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Pepsi-Cola Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Pepsi-Cola Eugene Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151 Pepsi-Cola Klamath Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
155 Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
156 Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Prospector Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
159 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
160 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
161 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

**Regional: Renewable Resources**

**Operating Year 2028**

**2017 White Book** Report Date: 6/1/2017 *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
162 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164 Railroad Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165 Rainier Bioqas	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
166 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
168 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
169 Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172 Salmon Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 Sawtooth Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174 Shepherds Flat Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175 Shepherds Flat - Central (South Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176 Shepherds Flat - North (North Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177 Shepherds Flat - South (Horseshoe Bend)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178 Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
179 Simco Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180 Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 Stateline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182 Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184 Steel Bridge Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
186 Swaqr Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188 Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189 Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190 Thundereqq Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Vale Air Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196 Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
197 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
198 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Regional: Renewable Resources**  
**Operating Year 2028**  
**2017 White Book** Report Date: 6/1/2017 *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
201 Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Wheat Field Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 White Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Wild Horse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Willow Spring Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Wolverine Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216 Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217 Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Renewable Resources</b>														
218 Cooperative	11.2	11.2	11.2	11.2	10.9	10.9	10.9	10.9	10.9	11.2	11.2	11.2	11.2	11.2
219 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Investor Owned Utilities	118	118	118	119	119	120	108	120	118	118	118	119	118	118
221 Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Municipality	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
223 Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
224 Public Utility District	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
<b>225 Total</b>	<b>175</b>	<b>175</b>	<b>175</b>	<b>176</b>	<b>176</b>	<b>177</b>	<b>165</b>	<b>177</b>	<b>175</b>	<b>175</b>	<b>175</b>	<b>176</b>	<b>175</b>	<b>175</b>

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***Exhibit 8***  
***Regional Cogeneration Resources***

***Monthly Capacity***  
***Operating Year 2019 to 2028***  
***Using 1937-Water Conditions***

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**Regional: Cogeneration Resources**  
**Operating Year 2019**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Cogeneration Resources</b>														
1 Biomass One	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
2 Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3 Coqen Co	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
4 Coqen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
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
6 Coyote Springs	229	229	236	243	251	256	257	254	249	245	245	239	233	229
7 Coyote Springs 2	286	286	291	316	323	325	324	325	322	315	315	291	288	279
8 Evergreen Biopower Coqen	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
9 Ferndale Cogeneration Station	271	271	274	279	283	286	287	284	282	280	280	0	274	271
10 Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 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
13 Hampton Lumber Mill (Darrington)	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
14 Hermiston Generation Project	472	472	472	472	472	472	472	472	472	0	0	472	472	472
15 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
16 International Paper Energy Center	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
17 International Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
18 International Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
19 InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
20 Lakeview Biomass	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
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
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
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
25 Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
26 Nippon Paper Coqen (Port Angel)	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
27 Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
28 Port Townsend Mill 1	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
29 Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
30 Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
31 Potlatch NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
32 Potlatch Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
33 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
34 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
35 Seneca Sawmill Coqen	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
36 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
37 Sierra Pacific - Burlington	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

**Regional: Cogeneration Resources**

**Operating Year 2019**

**2017 White Book** Report Date: 6/1/2017 *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
38 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
39 Sumas	131	131	133	135	138	139	140	138	137	68.0	68.0	134	133	131
40 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
41 Tacoma Biomass (WestRock)	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
42 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
43 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
44 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
45 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Wah Chang Cogen	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
48 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
49 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
50 Weyerhaeuser Longview	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
51 Weyerhaeuser Longview 2	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
52 Weyerhaeuser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
<b>Total Cogeneration Resources</b>														
53 Cooperative	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28
54 Direct Service Industry	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
55 Investor Owned Utilities	1695	1695	1710	1751	1772	1783	1782	1779	1767	1210	1202	1438	1699	1686
56 Marketer	747	747	747	747	747	747	747	747	117	747	747	747	747	747
57 Municipality	123	123	124	126	126	128	129	128	128	128	128	126	124	126
58 Other	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
59 Public Utility District	15.7	15.7	16.7	18.7	19.3	20.8	21.5	21.0	21.0	20.5	20.5	19.0	16.6	18.6
<b>60 Total</b>	<b>2669</b>	<b>2669</b>	<b>2686</b>	<b>2730</b>	<b>2752</b>	<b>2766</b>	<b>2767</b>	<b>2763</b>	<b>2095</b>	<b>2193</b>	<b>2185</b>	<b>2418</b>	<b>2674</b>	<b>2665</b>

**Regional: Cogeneration Resources**  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Cogeneration Resources</b>														
1 Biomass One	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
2 Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3 Coqen Co	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
4 Coqen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
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
6 Coyote Springs	229	229	236	243	251	256	257	254	249	245	245	239	233	229
7 Coyote Springs 2	286	286	291	316	323	325	324	325	322	315	315	291	288	279
8 Evergreen Biopower Coqen	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
9 Ferndale Cogeneration Station	271	271	274	279	283	286	287	284	282	280	280	0	274	271
10 Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 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
13 Hampton Lumber Mill (Darrington)	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
14 Hermiston Generation Project	472	472	472	472	472	472	472	472	472	472	0	472	472	472
15 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
16 International Paper Energy Center	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
17 International Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
18 International Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
19 InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
20 Lakeview Biomass	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
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
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
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
25 Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
26 Nippon Paper Coqen (Port Angel)	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
27 Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
28 Port Townsend Mill 1	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
29 Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
30 Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
31 Potlatch NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
32 Potlatch Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
33 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
34 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
35 Seneca Sawmill Coqen	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
36 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
37 Sierra Pacific - Burlington	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

**Regional: Cogeneration Resources**

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
38 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
39 Sumas	131	131	133	135	138	139	140	138	137	68.0	68.0	134	133	131
40 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
41 Tacoma Biomass (WestRock)	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
42 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
43 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
44 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
45 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Wah Chang Cogem	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
48 Warm Springs Cogem	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
49 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
50 Weyerhaeuser Longview	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
51 Weyerhaeuser Longview 2	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
52 Weyerhaeuser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
<b>Total Cogeneration Resources</b>														
53 Cooperative	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28
54 Direct Service Industry	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
55 Investor Owned Utilities	1695	1695	1710	1751	1772	1783	1782	1779	1767	1682	1202	1438	1699	1686
56 Marketer	747	747	747	758	758	758	758	758	128	758	758	758	758	758
57 Municipality	123	123	124	115	115	117	118	117	117	117	117	115	113	115
58 Other	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
59 Public Utility District	15.7	15.7	16.7	18.7	19.3	20.8	21.5	21.0	21.0	20.5	20.5	19.0	16.6	18.6
<b>60 Total</b>	<b>2669</b>	<b>2669</b>	<b>2686</b>	<b>2730</b>	<b>2752</b>	<b>2766</b>	<b>2767</b>	<b>2763</b>	<b>2095</b>	<b>2665</b>	<b>2185</b>	<b>2418</b>	<b>2674</b>	<b>2665</b>

**Regional: Cogeneration Resources**  
**Operating Year 2021**  
**2017 White Book** Report Date: 6/1/2017

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Cogeneration Resources</b>														
1 Biomass One	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
2 Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3 Coqen Co	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
4 Coqen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
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
6 Coyote Springs	229	229	236	243	251	256	257	254	249	245	245	239	233	229
7 Coyote Springs 2	286	286	291	316	323	325	324	325	322	315	315	291	288	279
8 Evergreen Biopower Coqen	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
9 Ferndale Cogeneration Station	271	271	274	279	283	286	287	284	282	280	280	0	274	271
10 Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 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
13 Hampton Lumber Mill (Darrington)	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
14 Hermiston Generation Project	472	472	472	472	472	472	472	472	472	472	0	472	472	472
15 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
16 International Paper Energy Center	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
17 International Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
18 International Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
19 InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
20 Lakeview Biomass	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
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
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
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
25 Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
26 Nippon Paper Coqen (Port Angel)	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
27 Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
28 Port Townsend Mill 1	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
29 Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
30 Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
31 Potlatch NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
32 Potlatch Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
33 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
34 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
35 Seneca Sawmill Coqen	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
36 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
37 Sierra Pacific - Burlington	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

**Regional: Cogeneration Resources**

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**2017 White Book** Report Date: 6/1/2017 *Continued*

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
38 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
39 Sumas	131	131	133	135	138	139	140	138	137	68.0	68.0	134	133	131
40 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
41 Tacoma Biomass (WestRock)	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
42 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
43 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
44 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
45 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Wah Chang Cogen	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
48 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
49 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
50 Weyerhaeuser Longview	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
51 Weyerhaeuser Longview 2	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
52 Weyerhaeuser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
<b>Total Cogeneration Resources</b>														
53 Cooperative	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28
54 Direct Service Industry	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	66.1	70.0
55 Investor Owned Utilities	1695	1695	1710	1751	1772	1783	1782	1779	1767	1682	1202	1438	1699	1686
56 Marketer	758	758	758	758	758	758	758	758	128	758	758	758	758	758
57 Municipality	112	112	113	115	115	117	118	117	117	117	117	115	106	106
58 Other	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
59 Public Utility District	15.7	15.7	16.7	18.7	19.3	20.8	21.5	21.0	21.0	20.5	20.5	19.0	9.50	9.50
<b>60 Total</b>	<b>2669</b>	<b>2669</b>	<b>2686</b>	<b>2730</b>	<b>2752</b>	<b>2766</b>	<b>2767</b>	<b>2763</b>	<b>2095</b>	<b>2665</b>	<b>2185</b>	<b>2418</b>	<b>2674</b>	<b>2665</b>

**Regional: Cogeneration Resources**  
**Operating Year 2022**  
**2017 White Book Report Date: 6/1/2017**

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Cogeneration Resources</b>														
1 Biomass One	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
2 Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3 Coqen Co	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
4 Coqen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
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
6 Coyote Springs	229	229	236	243	251	256	257	254	249	245	245	239	233	229
7 Coyote Springs 2	286	286	291	316	323	325	324	325	322	315	315	291	288	279
8 Evergreen Biopower Coqen	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
9 Ferndale Cogeneration Station	271	271	274	279	283	286	287	284	282	280	280	0	274	271
10 Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 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
13 Hampton Lumber Mill (Darrington)	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
14 Hermiston Generation Project	472	472	472	472	472	472	472	472	472	0	0	472	472	472
15 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
16 International Paper Energy Center	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
17 International Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
18 International Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
19 InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
20 Lakeview Biomass	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
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
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
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
25 Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
26 Nippon Paper Coqen (Port Angel)	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
27 Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
28 Port Townsend Mill 1	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
29 Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
30 Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
31 Potlatch NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
32 Potlatch Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
33 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
34 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
35 Seneca Sawmill Coqen	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
36 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
37 Sierra Pacific - Burlington	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



**Regional: Cogeneration Resources**

**Operating Year 2022**

**2017 White Book** Report Date: 6/1/2017 *Continued*

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
38 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
39 Sumas	131	131	133	135	138	139	140	138	137	68.0	68.0	134	133	131
40 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
41 Tacoma Biomass (WestRock)	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
42 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
43 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
44 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
45 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Wah Chang CoGen	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
48 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
49 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
50 Weyerhaeuser Longview	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
51 Weyerhaeuser Longview 2	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
52 Weyerhaeuser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
<b>Total Cogeneration Resources</b>														
53 Cooperative	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28
54 Direct Service Industry	64.3	64.3	66.3	70.3	71.5	74.5	75.8	74.9	74.9	73.9	73.9	71.0	66.1	70.0
55 Investor Owned Utilities	1695	1695	1710	1751	1772	1783	1782	1779	1767	1210	1202	1438	1699	1686
56 Marketer	813	813	813	813	813	813	813	813	183	813	813	813	813	813
57 Municipality	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
58 Other	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
59 Public Utility District	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50
<b>60 Total</b>	<b>2669</b>	<b>2669</b>	<b>2686</b>	<b>2730</b>	<b>2752</b>	<b>2766</b>	<b>2767</b>	<b>2763</b>	<b>2095</b>	<b>2193</b>	<b>2185</b>	<b>2418</b>	<b>2674</b>	<b>2665</b>

**Regional: Cogeneration Resources**  
**Operating Year 2023**  
**2017 White Book Report Date: 6/1/2017**

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Cogeneration Resources</b>														
1 Biomass One	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
2 Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3 Coqen Co	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
4 Coqen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
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
6 Coyote Springs	229	229	236	243	251	256	257	254	249	245	245	239	233	229
7 Coyote Springs 2	286	286	291	316	323	325	324	325	322	315	315	291	288	279
8 Evergreen Biopower Coqen	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
9 Ferndale Cogeneration Station	271	271	274	279	283	286	287	284	282	280	280	0	274	271
10 Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 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
13 Hampton Lumber Mill (Darrington)	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
14 Hermiston Generation Project	472	472	472	472	472	472	472	472	472	472	0	472	472	472
15 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
16 International Paper Energy Center	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
17 International Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
18 International Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
19 InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
20 Lakeview Biomass	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
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
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
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
25 Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
26 Nippon Paper Coqen (Port Angel)	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
27 Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
28 Port Townsend Mill 1	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
29 Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
30 Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
31 Potlatch NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
32 Potlatch Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
33 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
34 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
35 Seneca Sawmill Coqen	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
36 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
37 Sierra Pacific - Burlington	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

**Regional: Cogeneration Resources**

**Operating Year 2023**

**2017 White Book** Report Date: 6/1/2017 *Continued*

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
38 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
39 Sumas	131	131	133	135	138	139	140	138	137	68.0	68.0	134	133	131
40 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
41 Tacoma Biomass (WestRock)	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
42 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
43 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
44 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
45 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Wah Chang Cogen	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
48 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
49 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
50 Weyerhaeuser Longview	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
51 Weyerhaeuser Longview 2	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
52 Weyerhaeuser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
<b>Total Cogeneration Resources</b>														
53 Cooperative	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28
54 Direct Service Industry	64.3	64.3	66.3	70.3	71.5	74.5	75.8	74.9	74.9	73.9	73.9	71.0	66.1	70.0
55 Investor Owned Utilities	1695	1695	1710	1751	1772	1783	1782	1779	1767	1682	1202	1438	1699	1686
56 Marketer	813	813	813	813	813	813	813	813	183	813	813	813	813	813
57 Municipality	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
58 Other	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
59 Public Utility District	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50
<b>60 Total</b>	<b>2669</b>	<b>2669</b>	<b>2686</b>	<b>2730</b>	<b>2752</b>	<b>2766</b>	<b>2767</b>	<b>2763</b>	<b>2095</b>	<b>2665</b>	<b>2185</b>	<b>2418</b>	<b>2674</b>	<b>2665</b>

**Regional: Cogeneration Resources**  
**Operating Year 2024**  
**2017 White Book Report Date: 6/1/2017**

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Cogeneration Resources</b>														
1 Biomass One	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
2 Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3 Coqen Co	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
4 Coqen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
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
6 Coyote Springs	229	229	236	243	251	256	257	254	249	245	245	239	233	229
7 Coyote Springs 2	286	286	291	316	323	325	324	325	322	315	315	291	288	279
8 Evergreen Biopower Coqen	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
9 Ferndale Cogeneration Station	271	271	274	279	283	286	287	284	282	280	280	0	274	271
10 Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 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
13 Hampton Lumber Mill (Darrington)	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
14 Hermiston Generation Project	472	472	472	472	472	472	472	472	472	472	0	472	472	472
15 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
16 Intenational Paper Energy Cente	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
17 Intenational Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
18 Intenational Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
19 InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
20 Lakeview Biomass	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
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
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
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
25 Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
26 Nippon Paper Coqen (Port Anqel)	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
27 Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
28 Port Townsend Mill 1	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
29 Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
30 Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
31 Potlatch NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
32 Potlatch Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
33 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
34 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
35 Seneca Sawmill Coqen	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
36 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
37 Sierra Pacific - Burlington	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

**Regional: Cogeneration Resources**

**Operating Year 2024**

**2017 White Book** Report Date: 6/1/2017 *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
38 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
39 Sumas	131	131	133	135	138	139	140	138	137	68.0	68.0	134	133	131
40 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
41 Tacoma Biomass (WestRock)	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
42 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
43 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
44 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
45 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Wah Chang CoGen	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
48 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
49 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
50 Weyerhaeuser Longview	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
51 Weyerhaeuser Longview 2	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
52 Weyerhaeuser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
<b>Total Cogeneration Resources</b>														
53 Cooperative	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28
54 Direct Service Industry	64.3	64.3	66.3	70.3	71.5	74.5	75.8	74.9	74.9	73.9	73.9	71.0	66.1	70.0
55 Investor Owned Utilities	1695	1695	1710	1751	1772	1783	1782	1779	1767	1682	1202	1438	1699	1686
56 Marketer	813	813	813	813	813	813	813	813	183	813	813	813	813	813
57 Municipality	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
58 Other	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
59 Public Utility District	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50
<b>60 Total</b>	<b>2669</b>	<b>2669</b>	<b>2686</b>	<b>2730</b>	<b>2752</b>	<b>2766</b>	<b>2767</b>	<b>2763</b>	<b>2095</b>	<b>2665</b>	<b>2185</b>	<b>2418</b>	<b>2674</b>	<b>2665</b>

**Regional: Cogeneration Resources**  
**Operating Year 2025**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Cogeneration Resources</b>														
1 Biomass One	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
2 Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3 Coqen Co	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
4 Coqen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
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
6 Coyote Springs	229	229	236	243	251	256	257	254	249	245	245	239	233	229
7 Coyote Springs 2	286	286	291	316	323	325	324	325	322	315	315	291	288	279
8 Evergreen Biopower Coqen	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
9 Ferndale Cogeneration Station	271	271	274	279	283	286	287	284	282	280	280	0	274	271
10 Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 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
13 Hampton Lumber Mill (Darrington)	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
14 Hermiston Generation Project	472	472	472	472	472	472	472	472	472	0	0	472	472	472
15 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
16 International Paper Energy Center	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
17 International Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
18 International Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
19 InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
20 Lakeview Biomass	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
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
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
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
25 Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
26 Nippon Paper Coqen (Port Angel)	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
27 Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
28 Port Townsend Mill 1	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
29 Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
30 Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
31 Potlatch NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
32 Potlatch Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
33 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
34 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
35 Seneca Sawmill Coqen	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
36 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
37 Sierra Pacific - Burlington	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

**Regional: Cogeneration Resources**

**Operating Year 2025**

**2017 White Book** Report Date: 6/1/2017 *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
38 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
39 Sumas	131	131	133	135	138	139	140	138	137	68.0	68.0	134	133	131
40 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
41 Tacoma Biomass (WestRock)	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
42 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
43 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
44 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
45 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Wah Chang CoGen	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
48 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
49 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
50 Weyerhaeuser Longview	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
51 Weyerhaeuser Longview 2	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
52 Weyerhaeuser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
<b>Total Cogeneration Resources</b>														
53 Cooperative	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28
54 Direct Service Industry	64.3	64.3	66.3	70.3	71.5	74.5	75.8	74.9	74.9	73.9	73.9	71.0	66.1	70.0
55 Investor Owned Utilities	1695	1695	1710	1751	1772	1783	1782	1779	1767	1210	1202	1438	1699	1686
56 Marketer	813	813	813	813	813	813	813	813	183	813	813	813	813	813
57 Municipality	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
58 Other	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
59 Public Utility District	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50
<b>60 Total</b>	<b>2669</b>	<b>2669</b>	<b>2686</b>	<b>2730</b>	<b>2752</b>	<b>2766</b>	<b>2767</b>	<b>2763</b>	<b>2095</b>	<b>2193</b>	<b>2185</b>	<b>2418</b>	<b>2674</b>	<b>2665</b>

**Regional: Cogeneration Resources**  
**Operating Year 2026**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Cogeneration Resources</b>														
1 Biomass One	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
2 Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3 Coqen Co	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
4 Coqen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
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
6 Coyote Springs	229	229	236	243	251	256	257	254	249	245	245	239	233	229
7 Coyote Springs 2	286	286	291	316	323	325	324	325	322	315	315	291	288	279
8 Evergreen Biopower Coqen	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
9 Ferndale Cogeneration Station	271	271	274	279	283	286	287	284	282	280	280	0	274	271
10 Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 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
13 Hampton Lumber Mill (Darrington)	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
14 Hermiston Generation Project	472	472	472	472	472	472	472	472	472	472	0	472	472	472
15 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
16 Intenational Paper Energy Cente	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
17 Intenational Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
18 Intenational Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
19 InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
20 Lakeview Biomass	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
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
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
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
25 Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
26 Nippon Paper Coqen (Port Anqel)	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
27 Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
28 Port Townsend Mill 1	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
29 Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
30 Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
31 Potlatch NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
32 Potlatch Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
33 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
34 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
35 Seneca Sawmill Coqen	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
36 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
37 Sierra Pacific - Burlington	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



**Regional: Cogeneration Resources**

**Operating Year 2026**

**2017 White Book** Report Date: 6/1/2017 *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
38 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
39 Sumas	131	131	133	135	138	139	140	138	137	68.0	68.0	134	133	131
40 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
41 Tacoma Biomass (WestRock)	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
42 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
43 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
44 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
45 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Wah Chang CoGen	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
48 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
49 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
50 Weyerhaeuser Longview	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
51 Weyerhaeuser Longview 2	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
52 Weyerhaeuser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
<b>Total Cogeneration Resources</b>														
53 Cooperative	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28
54 Direct Service Industry	64.3	64.3	66.3	70.3	71.5	74.5	75.8	74.9	74.9	73.9	73.9	71.0	66.1	70.0
55 Investor Owned Utilities	1695	1695	1710	1751	1772	1783	1782	1779	1767	1682	1202	1438	1699	1686
56 Marketer	813	813	813	813	813	813	813	813	183	813	813	813	813	813
57 Municipality	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
58 Other	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
59 Public Utility District	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50
<b>60 Total</b>	<b>2669</b>	<b>2669</b>	<b>2686</b>	<b>2730</b>	<b>2752</b>	<b>2766</b>	<b>2767</b>	<b>2763</b>	<b>2095</b>	<b>2665</b>	<b>2185</b>	<b>2418</b>	<b>2674</b>	<b>2665</b>

**Regional: Cogeneration Resources**  
**Operating Year 2027**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Cogeneration Resources</b>														
1 Biomass One	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
2 Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3 Coqen Co	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
4 Coqen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
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
6 Coyote Springs	229	229	236	243	251	256	257	254	249	245	245	239	233	229
7 Coyote Springs 2	286	286	291	316	323	325	324	325	322	315	315	291	288	279
8 Evergreen Biopower Coqen	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
9 Ferndale Cogeneration Station	271	271	274	279	283	286	287	284	282	280	280	0	274	271
10 Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 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
13 Hampton Lumber Mill (Darrington)	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
14 Hermiston Generation Project	472	472	472	472	472	472	472	472	472	472	0	472	472	472
15 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
16 Intenational Paper Energy Cente	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
17 Intenational Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
18 Intenational Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
19 InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
20 Lakeview Biomass	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
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
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
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
25 Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
26 Nippon Paper Coqen (Port Anqel)	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
27 Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
28 Port Townsend Mill 1	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
29 Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
30 Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
31 Potlatch NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
32 Potlatch Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
33 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
34 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
35 Seneca Sawmill Coqen	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
36 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
37 Sierra Pacific - Burlington	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

**Regional: Cogeneration Resources**

**Operating Year 2027**

**2017 White Book** Report Date: 6/1/2017 *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
38 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
39 Sumas	131	131	133	135	138	139	140	138	137	68.0	68.0	134	133	131
40 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
41 Tacoma Biomass (WestRock)	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
42 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
43 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
44 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
45 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Wah Chang CoGen	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
48 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
49 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
50 Weyerhaeuser Longview	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
51 Weyerhaeuser Longview 2	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
52 Weyerhaeuser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
<b>Total Cogeneration Resources</b>														
53 Cooperative	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28
54 Direct Service Industry	64.3	64.3	66.3	70.3	71.5	74.5	75.8	74.9	74.9	73.9	73.9	71.0	66.1	70.0
55 Investor Owned Utilities	1695	1695	1710	1751	1772	1783	1782	1779	1767	1682	1202	1438	1699	1686
56 Marketer	813	813	813	813	813	813	813	813	183	813	813	813	813	813
57 Municipality	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
58 Other	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
59 Public Utility District	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50
<b>60 Total</b>	<b>2669</b>	<b>2669</b>	<b>2686</b>	<b>2730</b>	<b>2752</b>	<b>2766</b>	<b>2767</b>	<b>2763</b>	<b>2095</b>	<b>2665</b>	<b>2185</b>	<b>2418</b>	<b>2674</b>	<b>2665</b>

**Regional: Cogeneration Resources**  
**Operating Year 2028**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Cogeneration Resources</b>														
1 Biomass One	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
2 Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3 Coqen Co	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
4 Coqen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
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
6 Coyote Springs	229	229	236	243	251	256	257	254	249	245	245	239	233	229
7 Coyote Springs 2	286	286	291	316	323	325	324	325	322	315	315	291	288	279
8 Evergreen Biopower Coqen	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
9 Ferndale Cogeneration Station	271	271	274	279	283	286	287	284	282	280	280	0	274	271
10 Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 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
13 Hampton Lumber Mill (Darrington)	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
14 Hermiston Generation Project	472	472	472	472	472	472	472	472	472	0	0	472	472	472
15 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
16 International Paper Energy Center	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
17 International Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
18 International Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
19 InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
20 Lakeview Biomass	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
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
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
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
25 Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
26 Nippon Paper Coqen (Port Angel)	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
27 Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
28 Port Townsend Mill 1	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
29 Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
30 Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
31 Potlatch NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
32 Potlatch Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
33 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
34 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
35 Seneca Sawmill Coqen	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
36 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
37 Sierra Pacific - Burlington	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

**Regional: Cogeneration Resources**

**Operating Year 2028**

**2017 White Book** Report Date: 6/1/2017 *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
38 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
39 Sumas	131	131	133	135	138	139	140	138	137	68.0	68.0	134	133	131
40 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
41 Tacoma Biomass (WestRock)	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
42 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
43 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
44 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
45 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Wah Chang Cogen	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
48 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
49 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
50 Weyerhaeuser Longview	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
51 Weyerhaeuser Longview 2	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
52 Weyerhaeuser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
<b>Total Cogeneration Resources</b>														
53 Cooperative	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28
54 Direct Service Industry	64.3	64.3	66.3	70.3	71.5	74.5	75.8	74.9	74.9	73.9	73.9	71.0	66.1	70.0
55 Investor Owned Utilities	1695	1695	1710	1751	1772	1783	1782	1779	1767	1210	1202	1438	1699	1686
56 Marketer	813	813	813	813	813	813	813	813	183	813	813	813	813	813
57 Municipality	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
58 Other	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
59 Public Utility District	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50
<b>60 Total</b>	<b>2669</b>	<b>2669</b>	<b>2686</b>	<b>2730</b>	<b>2752</b>	<b>2766</b>	<b>2767</b>	<b>2763</b>	<b>2095</b>	<b>2193</b>	<b>2185</b>	<b>2418</b>	<b>2674</b>	<b>2665</b>

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***Exhibit 9***  
***Regional Large Thermal Resources***

***Monthly Capacity***  
***Operating Year 2019 to 2028***  
***Using 1937-Water Conditions***

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**Regional: Large Thermal Resources**  
**Operating Year 2019**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Large Thermal Resources</b>														
1 Boardman	570	570	570	570	570	570	570	570	570	570	570	0	570	570
2 Centralia Complex	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	670	1340	1340
3 Centralia 1	670	670	670	670	670	670	670	670	670	670	670	335	670	670
4 Centralia 2	670	670	670	670	670	670	670	670	670	670	670	335	670	670
5 Colstrip	1565	1565	1565	1565	1565	1565	1565	1565	1565	825	825	1565	1565	1565
6 Colstrip 1	154	154	154	154	154	154	154	154	154	154	154	154	154	154
7 Colstrip 2	154	154	154	154	154	154	154	154	154	154	154	154	154	154
8 Colstrip 3	518	518	518	518	518	518	518	518	518	518	518	518	518	518
9 Colstrip 4	740	740	740	740	740	740	740	740	740	0	0	740	740	740
10 Columbia Generating Station	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
11 Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12 Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13 Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14 Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15 Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16 Valmy	261	261	261	261	261	261	261	261	261	261	261	261	261	261
17 North Valmy 1	127	127	127	127	127	127	127	127	127	127	127	127	127	127
18 North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
<b>Total Large Thermal Resources</b>														
19 Federal Entities	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
20 Investor Owned Utilities	4895	4895	4895	4895	4895	4895	4895	4895	4895	4155	4155	4135	4895	4895
21 Marketer	960	960	960	960	960	960	960	960	960	960	960	480	960	960
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>23 Total</b>	<b>6984</b>	<b>6984</b>	<b>6991</b>	<b>6992</b>	<b>6996</b>	<b>6994</b>	<b>7000</b>	<b>6998</b>	<b>6999</b>	<b>6254</b>	<b>6254</b>	<b>5755</b>	<b>5856</b>	<b>6986</b>



**Regional: Large Thermal Resources**  
**Operating Year 2020**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Large Thermal Resources</b>														
1 Boardman	570	570	570	570	570	570	570	570	570	570	570	0	570	570
2 Centralia Complex	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	670	1340	1340
3 Centralia 1	670	670	670	670	670	670	670	670	670	670	670	335	670	670
4 Centralia 2	670	670	670	670	670	670	670	670	670	670	670	335	670	670
5 Colstrip	1565	1565	1565	1565	1565	1565	1565	1565	1565	1047	1565	1412	1412	1565
6 Colstrip 1	154	154	154	154	154	154	154	154	154	154	154	154	154	154
7 Colstrip 2	154	154	154	154	154	154	154	154	154	154	154	0	0	154
8 Colstrip 3	518	518	518	518	518	518	518	518	518	0	518	518	518	518
9 Colstrip 4	740	740	740	740	740	740	740	740	740	740	740	740	740	740
10 Columbia Generating Station	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
11 Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12 Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13 Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14 Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15 Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16 Valmy	261	261	261	261	261	261	261	261	261	261	261	261	261	261
17 North Valmy 1	127	127	127	127	127	127	127	127	127	127	127	127	127	127
18 North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
<b>Total Large Thermal Resources</b>														
19 Federal Entities	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
20 Investor Owned Utilities	4895	4895	4895	4895	4895	4895	4895	4895	4895	4377	4895	3982	4742	4895
21 Marketer	960	960	960	960	960	960	960	960	960	960	960	480	960	960
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>23 Total</b>	<b>6984</b>	<b>6984</b>	<b>6991</b>	<b>6992</b>	<b>6996</b>	<b>6994</b>	<b>7000</b>	<b>6998</b>	<b>6999</b>	<b>6476</b>	<b>6994</b>	<b>5601</b>	<b>6837</b>	<b>6986</b>

**Regional: Large Thermal Resources**  
**Operating Year 2021**  
**2017 White Book** Report Date: 6/1/2017

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Large Thermal Resources</b>														
1 Boardman	570	570	570	570	570	570	0	0	0	0	0	0	0	0
2 Centralia Complex	1340	1340	1340	1340	1340	670	670	670	670	670	670	335	670	670
3 Centralia 1	670	670	670	670	670	0	0	0	0	0	0	0	0	0
4 Centralia 2	670	670	670	670	670	670	670	670	670	670	670	335	670	670
5 Colstrip	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1412	1565
6 Colstrip 1	154	154	154	154	154	154	154	154	154	154	154	154	0	154
7 Colstrip 2	154	154	154	154	154	154	154	154	154	154	154	154	154	154
8 Colstrip 3	518	518	518	518	518	518	518	518	518	518	518	518	518	518
9 Colstrip 4	740	740	740	740	740	740	740	740	740	740	740	740	740	740
10 Columbia Generating Station	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
11 Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12 Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13 Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14 Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15 Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16 Valmy	261	261	261	261	261	261	261	261	261	261	261	261	261	261
17 North Valmy 1	127	127	127	127	127	127	127	127	127	127	127	127	127	127
18 North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
<b>Total Large Thermal Resources</b>														
19 Federal Entities	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
20 Investor Owned Utilities	4895	4895	4895	4895	4895	4895	4325	4325	4325	4325	4325	4135	4172	4325
21 Marketer	960	960	960	960	960	290	290	290	290	290	290	145	290	290
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>23 Total</b>	<b>6984</b>	<b>6984</b>	<b>6991</b>	<b>6992</b>	<b>6996</b>	<b>6324</b>	<b>5760</b>	<b>5758</b>	<b>5759</b>	<b>5754</b>	<b>5754</b>	<b>5420</b>	<b>4462</b>	<b>5746</b>

**Regional: Large Thermal Resources**  
**Operating Year 2022**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Large Thermal Resources</b>														
1 Boardman	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Centralia Complex	670	670	670	670	670	670	670	670	670	335	335	670	670	670
3 Centralia 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Centralia 2	670	670	670	670	670	670	670	670	670	335	335	670	670	670
5 Colstrip	1565	1565	1565	1565	1565	1565	1565	1565	1565	825	825	1565	1565	1258
6 Colstrip 1	154	154	154	154	154	154	154	154	154	154	154	154	154	0
7 Colstrip 2	154	154	154	154	154	154	154	154	154	154	154	154	154	0
8 Colstrip 3	518	518	518	518	518	518	518	518	518	518	518	518	518	518
9 Colstrip 4	740	740	740	740	740	740	740	740	740	0	0	740	740	740
10 Columbia Generating Station	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
11 Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12 Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13 Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14 Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15 Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16 Valmy	261	261	261	261	261	261	134	134	134	134	134	134	134	134
17 North Valmy 1	127	127	127	127	127	127	0	0	0	0	0	0	0	0
18 North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
<b>Total Large Thermal Resources</b>														
19 Federal Entities	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
20 Investor Owned Utilities	4325	4325	4325	4325	4325	4325	4198	4198	4198	3268	3268	4198	4198	3891
21 Marketer	290	290	290	290	290	290	290	290	290	145	145	290	290	290
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>23 Total</b>	<b>5744</b>	<b>5744</b>	<b>5751</b>	<b>5752</b>	<b>5756</b>	<b>5754</b>	<b>5633</b>	<b>5631</b>	<b>5632</b>	<b>4552</b>	<b>4552</b>	<b>5628</b>	<b>5624</b>	<b>5312</b>

**Regional: Large Thermal Resources**  
**Operating Year 2023**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Large Thermal Resources</b>														
1 Boardman	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Centralia Complex	670	670	670	670	670	670	670	670	670	335	335	670	670	670
3 Centralia 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Centralia 2	670	670	670	670	670	670	670	670	670	335	335	670	670	670
5 Colstrip	1258	1258	1258	1258	1258	1258	1258	1258	1258	740	1258	1258	1258	1258
6 Colstrip 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Colstrip 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Colstrip 3	518	518	518	518	518	518	518	518	518	0	518	518	518	518
9 Colstrip 4	740	740	740	740	740	740	740	740	740	740	740	740	740	740
10 Columbia Generating Station	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
11 Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12 Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13 Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14 Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15 Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16 Valmy	134	134	134	134	134	134	134	134	134	134	134	134	134	134
17 North Valmy 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
<b>Total Large Thermal Resources</b>														
19 Federal Entities	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
20 Investor Owned Utilities	3891	3891	3891	3891	3891	3891	3891	3891	3891	3183	3701	3891	3891	3891
21 Marketer	290	290	290	290	290	290	290	290	290	145	145	290	290	290
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>23 Total</b>	<b>5310</b>	<b>5310</b>	<b>5317</b>	<b>5318</b>	<b>5322</b>	<b>5320</b>	<b>5326</b>	<b>5324</b>	<b>5325</b>	<b>4467</b>	<b>4985</b>	<b>5321</b>	<b>4182</b>	<b>5312</b>

**Regional: Large Thermal Resources**  
**Operating Year 2024**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Large Thermal Resources</b>														
1 Boardman	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Centralia Complex	670	670	670	670	670	670	670	670	670	670	670	335	670	670
3 Centralia 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Centralia 2	670	670	670	670	670	670	670	670	670	670	670	335	670	670
5 Colstrip	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258
6 Colstrip 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Colstrip 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Colstrip 3	518	518	518	518	518	518	518	518	518	518	518	518	518	518
9 Colstrip 4	740	740	740	740	740	740	740	740	740	740	740	740	740	740
10 Columbia Generating Station	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
11 Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12 Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13 Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14 Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15 Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16 Valmy	134	134	134	134	134	134	134	134	134	134	134	134	134	134
17 North Valmy 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
<b>Total Large Thermal Resources</b>														
19 Federal Entities	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
20 Investor Owned Utilities	3891	3891	3891	3891	3891	3891	3891	3891	3891	3891	3891	3701	3891	3891
21 Marketer	290	290	290	290	290	290	290	290	290	290	290	145	290	290
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>23 Total</b>	<b>5310</b>	<b>5310</b>	<b>5317</b>	<b>5318</b>	<b>5322</b>	<b>5320</b>	<b>5326</b>	<b>5324</b>	<b>5325</b>	<b>5320</b>	<b>5320</b>	<b>4986</b>	<b>5317</b>	<b>5312</b>

**Regional: Large Thermal Resources**  
**Operating Year 2025**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Large Thermal Resources</b>														
1 Boardman	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Centralia Complex	670	670	670	670	670	670	670	670	670	670	670	335	670	670
3 Centralia 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Centralia 2	670	670	670	670	670	670	670	670	670	670	670	335	670	670
5 Colstrip	1258	1258	1258	1258	1258	1258	1258	1258	1258	518	518	1258	1258	1258
6 Colstrip 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Colstrip 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Colstrip 3	518	518	518	518	518	518	518	518	518	518	518	518	518	518
9 Colstrip 4	740	740	740	740	740	740	740	740	740	0	0	740	740	740
10 Columbia Generating Station	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
11 Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12 Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13 Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14 Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15 Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16 Valmy	134	134	134	134	134	134	134	134	134	134	134	134	134	134
17 North Valmy 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
<b>Total Large Thermal Resources</b>														
19 Federal Entities	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
20 Investor Owned Utilities	3891	3891	3891	3891	3891	3891	3891	3891	3891	3151	3151	3701	3891	3891
21 Marketer	290	290	290	290	290	290	290	290	290	290	290	145	290	290
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>23 Total</b>	<b>5310</b>	<b>5310</b>	<b>5317</b>	<b>5318</b>	<b>5322</b>	<b>5320</b>	<b>5326</b>	<b>5324</b>	<b>5325</b>	<b>4580</b>	<b>4580</b>	<b>4986</b>	<b>4182</b>	<b>5312</b>

**Regional: Large Thermal Resources**  
**Operating Year 2026**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Large Thermal Resources</b>														
1 Boardman	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Centralia Complex	670	670	670	670	670	0	0	0	0	0	0	0	0	0
3 Centralia 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Centralia 2	670	670	670	670	670	0	0	0	0	0	0	0	0	0
5 Colstrip	1258	1258	1258	1258	1258	1258	1258	1258	1258	740	1258	1258	1258	1258
6 Colstrip 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Colstrip 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Colstrip 3	518	518	518	518	518	518	518	518	518	0	518	518	518	518
9 Colstrip 4	740	740	740	740	740	740	740	740	740	740	740	740	740	740
10 Columbia Generating Station	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
11 Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12 Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13 Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14 Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15 Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16 Valmy	134	134	134	134	134	134	0	0	0	0	0	0	0	0
17 North Valmy 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 North Valmy 2	134	134	134	134	134	134	0	0	0	0	0	0	0	0
<b>Total Large Thermal Resources</b>														
19 Federal Entities	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
20 Investor Owned Utilities	3891	3891	3891	3891	3891	3512	3378	3378	3378	2860	3378	3378	3378	3378
21 Marketer	290	290	290	290	290	0	0	0	0	0	0	0	0	0
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>23 Total</b>	<b>5310</b>	<b>5310</b>	<b>5317</b>	<b>5318</b>	<b>5322</b>	<b>4650</b>	<b>4522</b>	<b>4520</b>	<b>4521</b>	<b>3998</b>	<b>4516</b>	<b>4517</b>	<b>4513</b>	<b>4508</b>

**Regional: Large Thermal Resources**  
**Operating Year 2027**  
**2017 White Book** Report Date: 6/1/2017

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Large Thermal Resources</b>														
1 Boardman	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Centralia Complex	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Centralia 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Centralia 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Colstrip	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258
6 Colstrip 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Colstrip 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Colstrip 3	518	518	518	518	518	518	518	518	518	518	518	518	518	518
9 Colstrip 4	740	740	740	740	740	740	740	740	740	740	740	740	740	740
10 Columbia Generating Station	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
11 Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12 Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13 Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14 Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15 Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16 Valmy	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 North Valmy 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 North Valmy 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Large Thermal Resources</b>														
19 Federal Entities	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
20 Investor Owned Utilities	3378	3378	3378	3378	3378	3378	3378	3378	3378	3378	3378	3378	3378	3378
21 Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>23 Total</b>	<b>4506</b>	<b>4506</b>	<b>4513</b>	<b>4514</b>	<b>4518</b>	<b>4516</b>	<b>4522</b>	<b>4520</b>	<b>4521</b>	<b>4516</b>	<b>4516</b>	<b>4517</b>	<b>3378</b>	<b>4508</b>



**Regional: Large Thermal Resources**  
**Operating Year 2028**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Large Thermal Resources</b>														
1 Boardman	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Centralia Complex	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Centralia 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Centralia 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Colstrip	1258	1258	1258	1258	1258	1258	1258	1258	1258	518	518	1258	1258	1258
6 Colstrip 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Colstrip 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Colstrip 3	518	518	518	518	518	518	518	518	518	518	518	518	518	518
9 Colstrip 4	740	740	740	740	740	740	740	740	740	0	0	740	740	740
10 Columbia Generating Station	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
11 Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12 Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13 Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14 Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15 Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16 Valmy	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 North Valmy 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 North Valmy 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Large Thermal Resources</b>														
19 Federal Entities	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
20 Investor Owned Utilities	3378	3378	3378	3378	3378	3378	3378	3378	3378	2638	2638	3378	3378	3378
21 Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>23 Total</b>	<b>4506</b>	<b>4506</b>	<b>4513</b>	<b>4514</b>	<b>4518</b>	<b>4516</b>	<b>4522</b>	<b>4520</b>	<b>4521</b>	<b>3776</b>	<b>3776</b>	<b>4517</b>	<b>4513</b>	<b>4508</b>

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***Exhibit 10***  
***Regional Small Thermal & Miscellaneous***

***Monthly Capacity***  
***Operating Year 2019 to 2028***  
***Using 1937-Water Conditions***

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**Regional: Small Thermal & Miscellaneous**  
**Operating Year 2019**  
**2017 White Book** Report Date: 6/1/2017

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Small Thermal &amp; Miscellaneous</b>														
1 Bangor Submarine Base	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
2 Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3 Bangor Base 2	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
4 Boundary IC	1.00	1.00	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 Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6 Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7 Crystal Mountain	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
8 Hooley Digester	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
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
10 Puget Sound Shipyards Diesel G	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
11 Salmon Diesel	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
12 Spokane MSW	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 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
<b>Total Small Thermal &amp; Miscellaneous</b>														
14 Federal Entities	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
15 Investor Owned Utilities	50.4	50.7	49.8	49.9	50.2	51.3	51.7	51.4	50.0	50.1	49.8	52.0	49.8	49.1
16 Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17 Public Utility District	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
<b>18 Total</b>	<b>81.8</b>	<b>82.1</b>	<b>81.2</b>	<b>81.3</b>	<b>81.6</b>	<b>82.7</b>	<b>83.1</b>	<b>82.8</b>	<b>81.4</b>	<b>81.5</b>	<b>81.2</b>	<b>83.4</b>	<b>81.2</b>	<b>80.5</b>

**Regional: Small Thermal & Miscellaneous  
Operating Year 2020  
2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Small Thermal &amp; Miscellaneous</b>														
1 Bangor Submarine Base	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
2 Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3 Bangor Base 2	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
4 Boundary IC	1.00	1.00	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 Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6 Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7 Crystal Mountain	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
8 Hooley Digester	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
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
10 Puget Sound Shipyards Diesel G	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
11 Salmon Diesel	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
12 Spokane MSW	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 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
<b>Total Small Thermal &amp; Miscellaneous</b>														
14 Federal Entities	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
15 Investor Owned Utilities	50.4	50.7	49.8	49.9	50.2	51.3	51.7	51.4	50.0	50.1	49.8	52.0	49.8	49.1
16 Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17 Public Utility District	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
<b>18 Total</b>	<b>81.8</b>	<b>82.1</b>	<b>81.2</b>	<b>81.3</b>	<b>81.6</b>	<b>82.7</b>	<b>83.1</b>	<b>82.8</b>	<b>81.4</b>	<b>81.5</b>	<b>81.2</b>	<b>83.4</b>	<b>81.2</b>	<b>80.5</b>

**Regional: Small Thermal & Miscellaneous**  
**Operating Year 2021**  
**2017 White Book** Report Date: 6/1/2017

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Small Thermal &amp; Miscellaneous</b>														
1 Bangor Submarine Base	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
2 Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3 Bangor Base 2	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
4 Boundary IC	1.00	1.00	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 Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6 Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7 Crystal Mountain	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
8 Hooley Digester	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
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
10 Puget Sound Shipyards Diesel G	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
11 Salmon Diesel	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
12 Spokane MSW	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 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
<b>Total Small Thermal &amp; Miscellaneous</b>														
14 Federal Entities	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
15 Investor Owned Utilities	50.4	50.7	49.8	49.9	50.2	51.3	51.7	51.4	50.0	50.1	49.8	52.0	49.8	49.1
16 Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17 Public Utility District	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
<b>18 Total</b>	<b>81.8</b>	<b>82.1</b>	<b>81.2</b>	<b>81.3</b>	<b>81.6</b>	<b>82.7</b>	<b>83.1</b>	<b>82.8</b>	<b>81.4</b>	<b>81.5</b>	<b>81.2</b>	<b>83.4</b>	<b>81.2</b>	<b>80.5</b>

**Regional: Small Thermal & Miscellaneous**  
**Operating Year 2022**  
**2017 White Book** Report Date: 6/1/2017

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Small Thermal &amp; Miscellaneous</b>														
1 Bangor Submarine Base	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
2 Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3 Bangor Base 2	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
4 Boundary IC	1.00	1.00	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 Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6 Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7 Crystal Mountain	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
8 Hooley Digester	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
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
10 Puget Sound Shipyards Diesel G	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
11 Salmon Diesel	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
12 Spokane MSW	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 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
<b>Total Small Thermal &amp; Miscellaneous</b>														
14 Federal Entities	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
15 Investor Owned Utilities	50.4	50.7	49.8	49.9	50.2	51.3	51.7	51.4	50.0	50.1	49.8	52.0	49.8	49.1
16 Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17 Public Utility District	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
<b>18 Total</b>	<b>81.8</b>	<b>82.1</b>	<b>81.2</b>	<b>81.3</b>	<b>81.6</b>	<b>82.7</b>	<b>83.1</b>	<b>82.8</b>	<b>81.4</b>	<b>81.5</b>	<b>81.2</b>	<b>83.4</b>	<b>81.2</b>	<b>80.5</b>

**Regional: Small Thermal & Miscellaneous**  
**Operating Year 2023**  
**2017 White Book** Report Date: 6/1/2017

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Small Thermal &amp; Miscellaneous</b>														
1 Bangor Submarine Base	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
2 Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3 Bangor Base 2	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
4 Boundary IC	1.00	1.00	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 Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6 Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7 Crystal Mountain	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
8 Hooley Digester	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
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
10 Puget Sound Shipyards Diesel G	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
11 Salmon Diesel	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
12 Spokane MSW	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 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
<b>Total Small Thermal &amp; Miscellaneous</b>														
14 Federal Entities	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
15 Investor Owned Utilities	50.4	50.7	49.8	49.9	50.2	51.3	51.7	51.4	50.0	50.1	49.8	52.0	49.8	49.1
16 Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17 Public Utility District	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
<b>18 Total</b>	<b>81.8</b>	<b>82.1</b>	<b>81.2</b>	<b>81.3</b>	<b>81.6</b>	<b>82.7</b>	<b>83.1</b>	<b>82.8</b>	<b>81.4</b>	<b>81.5</b>	<b>81.2</b>	<b>83.4</b>	<b>81.2</b>	<b>80.5</b>



**Regional: Small Thermal & Miscellaneous**

**Operating Year 2024**

**2017 White Book** Report Date: 6/1/2017

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Small Thermal &amp; Miscellaneous</b>														
1 Bangor Submarine Base	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
2 Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3 Bangor Base 2	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
4 Boundary IC	1.00	1.00	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 Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6 Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7 Crystal Mountain	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
8 Hooley Digester	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
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
10 Puget Sound Shipyards Diesel G	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
11 Salmon Diesel	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
12 Spokane MSW	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 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
<b>Total Small Thermal &amp; Miscellaneous</b>														
14 Federal Entities	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
15 Investor Owned Utilities	50.4	50.7	49.8	49.9	50.2	51.3	51.7	51.4	50.0	50.1	49.8	52.0	49.8	49.1
16 Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17 Public Utility District	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
<b>18 Total</b>	<b>81.8</b>	<b>82.1</b>	<b>81.2</b>	<b>81.3</b>	<b>81.6</b>	<b>82.7</b>	<b>83.1</b>	<b>82.8</b>	<b>81.4</b>	<b>81.5</b>	<b>81.2</b>	<b>83.4</b>	<b>81.2</b>	<b>80.5</b>

**Regional: Small Thermal & Miscellaneous**

**Operating Year 2025**

**2017 White Book** Report Date: 6/1/2017

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Small Thermal &amp; Miscellaneous</b>														
1 Bangor Submarine Base	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
2 Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3 Bangor Base 2	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
4 Boundary IC	1.00	1.00	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 Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6 Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7 Crystal Mountain	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
8 Hooley Digester	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
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
10 Puget Sound Shipyards Diesel G	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
11 Salmon Diesel	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
12 Spokane MSW	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 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
<b>Total Small Thermal &amp; Miscellaneous</b>														
14 Federal Entities	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
15 Investor Owned Utilities	50.4	50.7	49.8	49.9	50.2	51.3	51.7	51.4	50.0	50.1	49.8	52.0	49.8	49.1
16 Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17 Public Utility District	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
<b>18 Total</b>	<b>81.8</b>	<b>82.1</b>	<b>81.2</b>	<b>81.3</b>	<b>81.6</b>	<b>82.7</b>	<b>83.1</b>	<b>82.8</b>	<b>81.4</b>	<b>81.5</b>	<b>81.2</b>	<b>83.4</b>	<b>81.2</b>	<b>80.5</b>

**Regional: Small Thermal & Miscellaneous  
Operating Year 2026  
2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Small Thermal &amp; Miscellaneous</b>														
1 Bangor Submarine Base	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
2 Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3 Bangor Base 2	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
4 Boundary IC	1.00	1.00	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 Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6 Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7 Crystal Mountain	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
8 Hooley Digester	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
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
10 Puget Sound Shipyards Diesel G	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
11 Salmon Diesel	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
12 Spokane MSW	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 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
<b>Total Small Thermal &amp; Miscellaneous</b>														
14 Federal Entities	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
15 Investor Owned Utilities	50.4	50.7	49.8	49.9	50.2	51.3	51.7	51.4	50.0	50.1	49.8	52.0	49.8	49.1
16 Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17 Public Utility District	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
<b>18 Total</b>	<b>81.8</b>	<b>82.1</b>	<b>81.2</b>	<b>81.3</b>	<b>81.6</b>	<b>82.7</b>	<b>83.1</b>	<b>82.8</b>	<b>81.4</b>	<b>81.5</b>	<b>81.2</b>	<b>83.4</b>	<b>81.2</b>	<b>80.5</b>

**Regional: Small Thermal & Miscellaneous**

**Operating Year 2027**

**2017 White Book** Report Date: 6/1/2017

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Small Thermal &amp; Miscellaneous</b>														
1 Bangor Submarine Base	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
2 Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3 Bangor Base 2	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
4 Boundary IC	1.00	1.00	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 Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6 Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7 Crystal Mountain	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
8 Hooley Digester	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
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
10 Puget Sound Shipyards Diesel G	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
11 Salmon Diesel	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
12 Spokane MSW	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 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
<b>Total Small Thermal &amp; Miscellaneous</b>														
14 Federal Entities	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
15 Investor Owned Utilities	50.4	50.7	49.8	49.9	50.2	51.3	51.7	51.4	50.0	50.1	49.8	52.0	49.8	49.1
16 Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17 Public Utility District	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
<b>18 Total</b>	<b>81.8</b>	<b>82.1</b>	<b>81.2</b>	<b>81.3</b>	<b>81.6</b>	<b>82.7</b>	<b>83.1</b>	<b>82.8</b>	<b>81.4</b>	<b>81.5</b>	<b>81.2</b>	<b>83.4</b>	<b>81.2</b>	<b>80.5</b>

**Regional: Small Thermal & Miscellaneous**  
**Operating Year 2028**  
**2017 White Book** Report Date: 6/1/2017

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Small Thermal &amp; Miscellaneous</b>														
1 Bangor Submarine Base	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
2 Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3 Bangor Base 2	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
4 Boundary IC	1.00	1.00	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 Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6 Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7 Crystal Mountain	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
8 Hooley Digester	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
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
10 Puget Sound Shipyards Diesel G	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
11 Salmon Diesel	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
12 Spokane MSW	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 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
<b>Total Small Thermal &amp; Miscellaneous</b>														
14 Federal Entities	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
15 Investor Owned Utilities	50.4	50.7	49.8	49.9	50.2	51.3	51.7	51.4	50.0	50.1	49.8	52.0	49.8	49.1
16 Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17 Public Utility District	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
<b>18 Total</b>	<b>81.8</b>	<b>82.1</b>	<b>81.2</b>	<b>81.3</b>	<b>81.6</b>	<b>82.7</b>	<b>83.1</b>	<b>82.8</b>	<b>81.4</b>	<b>81.5</b>	<b>81.2</b>	<b>83.4</b>	<b>81.2</b>	<b>80.5</b>

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***Exhibit 11***  
***Non-Federal CER Deliveries to BPA***

***Monthly Capacity***  
***Operating Year 2019 to 2028***  
***Using 1937-Water Conditions***

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**Non-Federal CER Deliveries to BPA**  
**Operating Year: 2019**  
**2017 White Book** Report Date: 6/1/2017  
S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
1 CHPD to BPA CEAEA for Rock Island	31.0	31.0	31.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
2 CHPD to BPA CEAEA for Rocky Reach	65.0	65.0	65.0	65.0	65.0	65.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
3 DOPD to BPA CEAEA for Wells	42.0	42.0	42.0	42.0	42.0	42.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
4 GCPD to BPA CEAEA for Priest Rapids	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	50.0	50.0	50.0	50.0	50.0
5 GCPD to BPA CEAEA for Wanpum	49.0	49.0	49.0	49.0	49.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
<b>6 Total Imports From PNW</b>	<b>238</b>	<b>238</b>	<b>238</b>	<b>239</b>	<b>239</b>	<b>240</b>	<b>240</b>	<b>240</b>	<b>240</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>
<b>Total Imports</b>														
7 Federal Entities	238	238	238	239	239	240	240	240	240	239	239	239	239	239
<b>8 Total Imports</b>	<b>238</b>	<b>238</b>	<b>238</b>	<b>239</b>	<b>239</b>	<b>240</b>	<b>240</b>	<b>240</b>	<b>240</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>



**Non-Federal CER Deliveries to BPA**  
**Operating Year: 2020**  
**2017 White Book** Report Date: 6/1/2017  
S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
1 CHPD to BPA CEAEA for Rock Island	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
2 CHPD to BPA CEAEA for Rocky Reach	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
3 DOPD to BPA CEAEA for Wells	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
4 GCPD to BPA CEAEA for Priest Rapids	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
5 GCPD to BPA CEAEA for Wanpum	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
<b>6 Total Imports From PNW</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>
<b>Total Imports</b>														
7 Federal Entities	239	239	239	239	239	239	239	239	239	239	239	239	239	239
<b>8 Total Imports</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>

**Non-Federal CER Deliveries to BPA**  
**Operating Year: 2021**  
**2017 White Book** Report Date: 6/1/2017  
S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
1 CHPD to BPA CEAEA for Rock Island	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
2 CHPD to BPA CEAEA for Rocky Reach	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
3 DOPD to BPA CEAEA for Wells	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
4 GCPD to BPA CEAEA for Priest Rapids	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
5 GCPD to BPA CEAEA for Wanpum	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
<b>6 Total Imports From PNW</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>
<b>Total Imports</b>														
7 Federal Entities	239	239	239	239	239	239	239	239	239	239	239	239	239	239
<b>8 Total Imports</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>

**Non-Federal CER Deliveries to BPA**  
**Operating Year: 2022**  
**2017 White Book** Report Date: 6/1/2017  
S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
1 CHPD to BPA CEAEA for Rock Island	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
2 CHPD to BPA CEAEA for Rocky Reach	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
3 DOPD to BPA CEAEA for Wells	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
4 GCPD to BPA CEAEA for Priest Rapids	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
5 GCPD to BPA CEAEA for Wanpum	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
<b>6 Total Imports From PNW</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>
<b>Total Imports</b>														
7 Federal Entities	239	239	239	239	239	239	239	239	239	239	239	239	239	239
<b>8 Total Imports</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>

**Non-Federal CER Deliveries to BPA**  
**Operating Year: 2023**  
**2017 White Book** Report Date: 6/1/2017  
S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
1 CHPD to BPA CEAEA for Rock Island	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
2 CHPD to BPA CEAEA for Rocky Reach	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
3 DOPD to BPA CEAEA for Wells	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
4 GCPD to BPA CEAEA for Priest Rapids	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
5 GCPD to BPA CEAEA for Wanpum	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
<b>6 Total Imports From PNW</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>
<b>Total Imports</b>														
7 Federal Entities	239	239	239	239	239	239	239	239	239	239	239	239	239	239
<b>8 Total Imports</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>

**Non-Federal CER Deliveries to BPA**  
**Operating Year: 2024**  
**2017 White Book** Report Date: 6/1/2017  
S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
1 CHPD to BPA CEAEA for Rock Island	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
2 CHPD to BPA CEAEA for Rocky Reach	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
3 DOPD to BPA CEAEA for Wells	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
4 GCPD to BPA CEAEA for Priest Rapids	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
5 GCPD to BPA CEAEA for Wanpum	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
<b>6 Total Imports From PNW</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>
<b>Total Imports</b>														
7 Federal Entities	239	239	239	239	239	239	239	239	239	239	239	239	239	239
<b>8 Total Imports</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>

**Non-Federal CER Deliveries to BPA**  
**Operating Year: 2025**  
**2017 White Book** Report Date: 6/1/2017  
S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
1 CHPD to BPA CEAEA for Rock Island	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
2 CHPD to BPA CEAEA for Rocky Reach	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
3 DOPD to BPA CEAEA for Wells	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
4 GCPD to BPA CEAEA for Priest Rapids	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
5 GCPD to BPA CEAEA for Wanpum	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
<b>6 Total Imports From PNW</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>
<b>Total Imports</b>														
7 Federal Entities	239	239	239	239	239	239	239	239	239	239	239	239	239	239
<b>8 Total Imports</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>

**Non-Federal CER Deliveries to BPA**  
**Operating Year: 2026**  
**2017 White Book** Report Date: 6/1/2017  
S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
1 CHPD to BPA CEAEA for Rock Island	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
2 CHPD to BPA CEAEA for Rocky Reach	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
3 DOPD to BPA CEAEA for Wells	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
4 GCPD to BPA CEAEA for Priest Rapids	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
5 GCPD to BPA CEAEA for Wanpum	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
<b>6 Total Imports From PNW</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>
<b>Total Imports</b>														
7 Federal Entities	239	239	239	239	239	239	239	239	239	239	239	239	239	239
<b>8 Total Imports</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>

**Non-Federal CER Deliveries to BPA**  
**Operating Year: 2027**  
**2017 White Book** Report Date: 6/1/2017

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
1 CHPD to BPA CEAEA for Rock Island	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
2 CHPD to BPA CEAEA for Rocky Reach	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
3 DOPD to BPA CEAEA for Wells	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
4 GCPD to BPA CEAEA for Priest Rapids	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
5 GCPD to BPA CEAEA for Wanpum	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
<b>6 Total Imports From PNW</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>
<b>Total Imports</b>														
7 Federal Entities	239	239	239	239	239	239	239	239	239	239	239	239	239	239
<b>8 Total Imports</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>



**Non-Federal CER Deliveries to BPA**  
**Operating Year: 2028**  
**2017 White Book** Report Date: 6/1/2017  
S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
1 CHPD to BPA CEAEA for Rock Island	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
2 CHPD to BPA CEAEA for Rocky Reach	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
3 DOPD to BPA CEAEA for Wells	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
4 GCPD to BPA CEAEA for Priest Rapids	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
5 GCPD to BPA CEAEA for Wanpum	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
<b>6 Total Imports From PNW</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>
<b>Total Imports</b>														
7 Federal Entities	239	239	239	239	239	239	239	239	239	239	239	239	239	239
<b>8 Total Imports</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>	<b>239</b>

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## **Section 2: Monthly 120-Hour Capacity Operating Year 2019 to 2028**

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***Exhibit 12***  
***Federal Report Surplus Deficit***

***Monthly 120-Hour Capacity***  
***Operating Year 2019 to 2028***  
***Using 1937-Water Conditions***

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**Loads and Resources - Federal System**  
**Operating Year: 2019 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Obligations</b>														
<b>1 Load Following</b>	4158	4037	3713	3656	4227	4686	4641	4396	4030	4090	4032	3835	3994	4356
2 Preference Customers	4197	4197	3918	4158	4816	5422	5417	5124	4619	4413	4413	4067	4069	4329
3 Federal Agencies	132	132	128	150	188	212	213	196	177	148	148	137	141	149
4 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
5 Federal Diversity	-781	-903	-866	-1061	-1029	-1317	-1288	-1224	-1155	-926	-985	-910	-800	-747
<b>6 Tier 1 Block</b>	343	343	578	485	795	782	849	799	765	382	382	121	0	291
7 Tier 1 Block	343	343	578	485	795	782	849	799	765	382	382	121	0	291
<b>8 Slice</b>	3588	3102	3145	3151	3932	4130	3666	3603	3632	3131	3228	4099	3570	3187
9 Slice Block	1338	1338	1288	1379	1601	1829	1821	1676	1550	1439	1439	1386	1355	1422
10 Slice Output from T1 System	2250	1764	1856	1773	2331	2301	1845	1927	2082	1693	1789	2714	2215	1765
<b>11 Direct Service Industries</b>	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
12 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
<b>13 Contract Deliveries</b>	1581	1581	1443	1412	1547	1539	1537	1537	1434	1421	1421	1351	1351	1366
14 Exports	1554	1554	1417	1386	1374	1366	1363	1363	1338	1324	1324	1324	1324	1340
15 Intra-Regional Transfers (Out)	26.2	26.2	26.2	26.2	173	173	173	173	96.2	96.2	96.2	26.2	26.2	26.2
16 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>17 Total Firm Obligations</b>	<b>9760</b>	<b>9151</b>	<b>8969</b>	<b>8796</b>	<b>10591</b>	<b>11227</b>	<b>10784</b>	<b>10425</b>	<b>9951</b>	<b>9115</b>	<b>9153</b>	<b>9497</b>	<b>9004</b>	<b>9289</b>
<b>Net Resources</b>														
<b>18 Hydro Resources</b>	11533	9328	9547	9030	11544	11532	9387	9763	10474	8786	9221	13427	12351	9242
19 Regulated Hydro - Net	10960	8764	9022	8554	11123	11197	9269	9533	10084	8168	8588	12608	11507	8633
20 Independent Hydro - Net	569	560	522	472	417	330	113	225	385	613	629	815	840	605
21 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
<b>22 Other Resources</b>	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
23 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
26 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>28 Contract Purchases</b>	556	545	526	560	571	566	560	555	548	538	540	562	550	539

**Loads and Resources - Federal System**  
**Operating Year: 2019    Water Year: 1937**  
**2017 White Book    Report Date: 6/1/2017    *Continued***

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<sup>29</sup> Imports	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	76.0
<sup>30</sup> Intra-Regional Transfers (In)	188	188	167	153	150	145	150	142	132	182	182	182	182	182
<sup>31</sup> Non-Federal CER	238	238	238	239	239	240	240	240	240	239	239	239	239	239
<sup>32</sup> Slice Transmission Loss Return	54.2	42.4	44.7	42.7	56.1	55.4	44.4	46.4	50.1	40.7	43.0	65.3	53.3	42.5
<sup>33</sup> Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b><sup>34</sup> Reserves &amp; Losses</b>	<b>-1721</b>	<b>-1584</b>	<b>-1586</b>	<b>-1573</b>	<b>-1760</b>	<b>-1785</b>	<b>-1653</b>	<b>-1661</b>	<b>-1688</b>	<b>-1569</b>	<b>-1596</b>	<b>-1816</b>	<b>-1727</b>	<b>-1582</b>
<sup>35</sup> Contingency Reserves (Spinning)	-348	-316	-314	-316	-369	-382	-351	-349	-351	-319	-325	-364	-357	-317
<sup>36</sup> Contingency Reserves (Non-Spinning)	-348	-316	-314	-316	-369	-382	-351	-349	-351	-319	-325	-364	-357	-317
<sup>37</sup> Load Following Reserves	-360	-360	-360	-361	-361	-361	-361	-361	-361	-361	-361	-361	-361	-361
<sup>38</sup> Generation Imbalance Reserves	-260	-260	-260	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
<sup>39</sup> Transmission Losses	-405	-332	-338	-322	-403	-402	-331	-344	-368	-312	-327	-469	-394	-329
<b><sup>40</sup> Total Net Resources</b>	<b>11496</b>	<b>9416</b>	<b>9621</b>	<b>9154</b>	<b>11495</b>	<b>11451</b>	<b>9438</b>	<b>9798</b>	<b>10477</b>	<b>8893</b>	<b>9303</b>	<b>13313</b>	<b>11174</b>	<b>9329</b>
<b><sup>41</sup> Total Surplus/Deficit</b>	<b>1,736</b>	<b>265</b>	<b>653</b>	<b>358</b>	<b>904</b>	<b>223</b>	<b>-1,346</b>	<b>-626</b>	<b>526</b>	<b>-223</b>	<b>151</b>	<b>3,816</b>	<b>2,171</b>	<b>40</b>

**Loads and Resources - Federal System**  
**Operating Year: 2020 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Obligations</b>														
42 <b>Load Following</b>	4222	4044	3774	3724	4273	4746	4733	4462	4153	4231	4138	4049	4120	4431
43 Preference Customers	4216	4216	3936	4168	4831	5440	5493	5210	4703	4497	4497	4151	4147	4407
44 Federal Agencies	141	141	136	156	198	223	225	206	186	155	155	143	147	156
45 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
46 Federal Diversity	-746	-924	-832	-1009	-1008	-1286	-1284	-1256	-1125	-876	-969	-786	-759	-756
47 <b>Tier 1 Block</b>	346	346	583	511	827	822	893	810	802	405	405	136	9.29	314
48 Tier 1 Block	346	346	583	511	827	822	893	810	802	405	405	136	9.29	314
49 <b>Slice</b>	3676	3197	3220	3047	3910	4121	3749	3558	3582	3135	2963	4045	3724	3399
50 Slice Block	1388	1388	1338	1338	1552	1768	1758	1563	1498	1398	1398	1349	1326	1381
51 Slice Output from T1 System	2288	1809	1882	1709	2358	2353	1992	1995	2084	1737	1564	2696	2398	2018
52 <b>Direct Service Industries</b>	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
53 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
54 <b>Contract Deliveries</b>	1289	1289	1168	1168	1175	1175	1175	1175	1168	1168	1168	1168	1168	1192
55 Exports	1262	1262	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
56 Intra-Regional Transfers (Out)	26.2	26.2	26.2	26.2	33.2	33.2	33.2	33.2	26.2	26.2	26.2	26.2	26.2	26.2
57 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 <b>Total Firm Obligations</b>	<b>9621</b>	<b>8965</b>	<b>8834</b>	<b>8540</b>	<b>10275</b>	<b>10954</b>	<b>10640</b>	<b>10095</b>	<b>9795</b>	<b>9030</b>	<b>8764</b>	<b>9488</b>	<b>9110</b>	<b>9425</b>
<b>Net Resources</b>														
59 <b>Hydro Resources</b>	11470	9302	9454	8663	11495	11597	9852	9873	10366	8837	8043	13348	12023	10339
60 Regulated Hydro - Net	10897	8739	8929	8187	11074	11262	9734	9644	9976	8220	7409	12529	11180	9731
61 Independent Hydro - Net	569	560	522	472	417	330	113	225	385	613	629	815	840	605
62 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
63 <b>Other Resources</b>	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
64 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
67 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 <b>Contract Purchases</b>	552	540	542	423	439	438	430	430	432	424	419	447	440	430



**Loads and Resources - Federal System**  
**Operating Year: 2020 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<sup>70</sup> Imports	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	76.0
<sup>71</sup> Intra-Regional Transfers (In)	182	182	182	16.8	16.8	16.8	16.8	16.8	16.8	66.8	66.8	66.8	66.8	66.8
<sup>72</sup> Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
<sup>73</sup> Slice Transmission Loss Return	55.1	43.5	45.3	41.1	56.8	56.6	47.9	48.0	50.2	41.8	37.7	64.9	57.7	48.6
<sup>74</sup> Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b><sup>75</sup> Reserves &amp; Losses</b>	<b>-1681</b>	<b>-1546</b>	<b>-1566</b>	<b>-1535</b>	<b>-1743</b>	<b>-1775</b>	<b>-1669</b>	<b>-1654</b>	<b>-1669</b>	<b>-1560</b>	<b>-1511</b>	<b>-1799</b>	<b>-1733</b>	<b>-1638</b>
<sup>76</sup> Contingency Reserves (Spinning)	-349	-317	-314	-313	-371	-386	-361	-353	-352	-323	-311	-366	-355	-336
<sup>77</sup> Contingency Reserves (Non-Spinning)	-349	-317	-314	-313	-371	-386	-361	-353	-352	-323	-311	-366	-355	-336
<sup>78</sup> Load Following Reserves	-336	-336	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
<sup>79</sup> Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
<sup>80</sup> Transmission Losses	-404	-332	-336	-306	-398	-400	-343	-344	-361	-311	-284	-463	-418	-362
<b><sup>81</sup> Total Net Resources</b>	<b>11470</b>	<b>9425</b>	<b>9565</b>	<b>8687</b>	<b>11331</b>	<b>11398</b>	<b>9756</b>	<b>9791</b>	<b>10272</b>	<b>8839</b>	<b>8090</b>	<b>13135</b>	<b>11865</b>	<b>10262</b>
<b><sup>82</sup> Total Surplus/Deficit</b>	<b>1,848</b>	<b>460</b>	<b>731</b>	<b>147</b>	<b>1,056</b>	<b>444</b>	<b>-884</b>	<b>-303</b>	<b>477</b>	<b>-190</b>	<b>-674</b>	<b>3,647</b>	<b>2,755</b>	<b>837</b>

**Loads and Resources - Federal System**  
**Operating Year: 2021 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Obligations</b>														
83 <b>Load Following</b>	4360	4177	3834	3860	4383	4822	4872	4567	4193	4363	4183	4166	4191	4440
84 Preference Customers	4294	4294	4030	4261	4921	5531	5528	5241	4734	4525	4525	4185	4174	4434
85 Federal Agencies	148	148	142	157	200	224	226	208	187	156	156	144	148	157
86 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
87 Federal Diversity	-693	-876	-872	-967	-990	-1302	-1182	-1183	-1118	-773	-953	-704	-715	-774
88 <b>Tier 1 Block</b>	365	365	608	511	827	822	893	839	802	405	405	136	9.53	315
89 Tier 1 Block	365	365	608	511	827	822	893	839	802	405	405	136	9.53	315
90 <b>Slice</b>	3491	3102	3012	3090	3963	4160	3831	3671	3617	3170	2990	4100	3515	3468
91 Slice Block	1352	1352	1301	1375	1594	1816	1806	1663	1539	1436	1436	1385	1361	1417
92 Slice Output from T1 System	2139	1749	1710	1716	2368	2344	2026	2008	2078	1735	1554	2715	2154	2050
93 <b>Direct Service Industries</b>	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
94 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
95 <b>Contract Deliveries</b>	1305	1305	1168	1168	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
96 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
97 Intra-Regional Transfers (Out)	26.2	26.2	26.2	26.2	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
98 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 <b>Total Firm Obligations</b>	<b>9611</b>	<b>9038</b>	<b>8711</b>	<b>8719</b>	<b>10421</b>	<b>11052</b>	<b>10844</b>	<b>10324</b>	<b>9852</b>	<b>9180</b>	<b>8819</b>	<b>9643</b>	<b>8956</b>	<b>9487</b>
<b>Net Resources</b>														
100 <b>Hydro Resources</b>	10984	9186	8804	8694	11542	11554	10009	9932	10336	8827	7993	13435	12032	10489
101 Regulated Hydro - Net	10411	8623	8279	8218	11121	11220	9891	9702	9946	8209	7360	12616	11189	9880
102 Independent Hydro - Net	569	560	522	472	417	330	113	225	385	613	629	815	840	605
103 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
104 <b>Other Resources</b>	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
105 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
108 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 <b>Contract Purchases</b>	433	424	423	406	422	421	414	413	415	407	402	430	417	289

**Loads and Resources - Federal System**  
**Operating Year: 2021 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
111 Imports	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	1.00
112 Intra-Regional Transfers (In)	66.8	66.8	66.8	0	0	0	0	0	0	50.0	50.0	50.0	50.0	0
113 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
114 Slice Transmission Loss Return	51.5	42.1	41.2	41.3	57.0	56.4	48.8	48.3	50.0	41.8	37.4	65.3	51.8	49.3
115 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>116 Reserves &amp; Losses</b>	<b>-1662</b>	<b>-1550</b>	<b>-1528</b>	<b>-1542</b>	<b>-1751</b>	<b>-1759</b>	<b>-1662</b>	<b>-1642</b>	<b>-1650</b>	<b>-1542</b>	<b>-1490</b>	<b>-1796</b>	<b>-1677</b>	<b>-1625</b>
117 Contingency Reserves (Spinning)	-345	-319	-308	-316	-374	-378	-355	-346	-343	-314	-302	-363	-347	-329
118 Contingency Reserves (Non-Spinning)	-345	-319	-308	-316	-374	-378	-355	-346	-343	-314	-302	-363	-347	-329
119 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
120 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
121 Transmission Losses	-383	-324	-310	-306	-398	-398	-348	-345	-360	-310	-283	-465	-380	-362
<b>122 Total Net Resources</b>	<b>10883</b>	<b>9188</b>	<b>8834</b>	<b>8694</b>	<b>11353</b>	<b>11355</b>	<b>9905</b>	<b>9845</b>	<b>10244</b>	<b>8830</b>	<b>8043</b>	<b>13208</b>	<b>10772</b>	<b>10283</b>
<b>123 Total Surplus/Deficit</b>	<b>1,273</b>	<b>151</b>	<b>123</b>	<b>-25</b>	<b>932</b>	<b>303</b>	<b>-939</b>	<b>-479</b>	<b>392</b>	<b>-351</b>	<b>-776</b>	<b>3,565</b>	<b>1,816</b>	<b>796</b>

**Loads and Resources - Federal System**  
**Operating Year: 2022 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Obligations</b>														
124 <b>Load Following</b>	4362	4260	3930	3980	4404	4908	4930	4603	4270	4454	4235	4227	4278	4537
125 Preference Customers	4320	4320	4062	4284	4945	5556	5553	5233	4759	4539	4539	4205	4186	4445
126 Federal Agencies	149	149	142	158	200	225	227	205	188	156	156	145	148	157
127 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
128 Federal Diversity	-717	-819	-809	-871	-994	-1241	-1149	-1136	-1066	-696	-915	-663	-641	-690
129 <b>Tier 1 Block</b>	365	365	608	510	827	821	892	838	801	405	405	136	9.26	314
130 Tier 1 Block	365	365	608	510	827	821	892	838	801	405	405	136	9.26	314
131 <b>Slice</b>	3546	3134	3041	3058	3905	4120	3798	3637	3577	3135	2955	4060	3733	3458
132 Slice Block	1388	1388	1336	1343	1558	1774	1764	1625	1503	1403	1403	1354	1330	1385
133 Slice Output from T1 System	2158	1746	1705	1714	2348	2346	2033	2012	2074	1732	1552	2706	2403	2073
134 <b>Direct Service Industries</b>	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
135 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
136 <b>Contract Deliveries</b>	1288	1288	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
137 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
138 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
139 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 <b>Total Firm Obligations</b>	<b>9651</b>	<b>9137</b>	<b>8818</b>	<b>8789</b>	<b>10384</b>	<b>11097</b>	<b>10868</b>	<b>10326</b>	<b>9889</b>	<b>9235</b>	<b>8836</b>	<b>9664</b>	<b>9261</b>	<b>9573</b>
<b>Net Resources</b>														
141 <b>Hydro Resources</b>	11072	9172	8778	8688	11447	11562	10045	9951	10317	8817	7986	13395	12047	10593
142 Regulated Hydro - Net	10499	8609	8253	8212	11025	11228	9927	9721	9927	8199	7352	12576	11203	9984
143 Independent Hydro - Net	569	560	522	472	417	330	113	225	385	613	629	815	840	605
144 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
145 <b>Other Resources</b>	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
146 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
149 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151 <b>Contract Purchases</b>	292	282	281	281	297	296	289	288	290	282	277	305	298	290

**Loads and Resources - Federal System**  
**Operating Year: 2022    Water Year: 1937**  
**2017 White Book    Report Date: 6/1/2017    *Continued***

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
152 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
153 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
155 Slice Transmission Loss Return	51.9	42.0	41.0	41.3	56.5	56.5	48.9	48.4	49.9	41.7	37.4	65.1	57.8	49.9
156 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>157 Reserves &amp; Losses</b>	<b>-1646</b>	<b>-1524</b>	<b>-1505</b>	<b>-1521</b>	<b>-1724</b>	<b>-1757</b>	<b>-1664</b>	<b>-1642</b>	<b>-1648</b>	<b>-1531</b>	<b>-1479</b>	<b>-1802</b>	<b>-1716</b>	<b>-1635</b>
158 Contingency Reserves (Spinning)	-337	-308	-299	-308	-364	-379	-358	-348	-345	-311	-298	-370	-348	-333
159 Contingency Reserves (Non-Spinning)	-337	-308	-299	-308	-364	-379	-358	-348	-345	-311	-298	-370	-348	-333
160 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
161 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
162 Transmission Losses	-382	-319	-305	-302	-392	-394	-345	-342	-355	-306	-278	-459	-415	-366
<b>163 Total Net Resources</b>	<b>10846</b>	<b>9058</b>	<b>8689</b>	<b>8585</b>	<b>11159</b>	<b>11239</b>	<b>9814</b>	<b>9740</b>	<b>10101</b>	<b>8706</b>	<b>7922</b>	<b>13037</b>	<b>11764</b>	<b>10378</b>
<b>164 Total Surplus/Deficit</b>	<b>1,195</b>	<b>-79</b>	<b>-129</b>	<b>-204</b>	<b>775</b>	<b>142</b>	<b>-1,054</b>	<b>-586</b>	<b>212</b>	<b>-530</b>	<b>-915</b>	<b>3,373</b>	<b>2,503</b>	<b>805</b>

**Loads and Resources - Federal System**  
**Operating Year: 2023 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Obligations</b>														
165 <b>Load Following</b>	4370	4238	4030	4077	4467	4962	4965	4659	4325	4554	4307	4238	4363	4605
166 Preference Customers	4330	4330	4080	4308	4970	5575	5569	5276	4782	4552	4552	4223	4201	4461
167 Federal Agencies	149	149	143	157	199	224	225	207	187	156	156	144	148	157
168 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
169 Federal Diversity	-720	-853	-727	-798	-954	-1205	-1128	-1126	-1033	-609	-856	-669	-570	-636
170 <b>Tier 1 Block</b>	365	365	607	511	827	822	893	839	802	405	405	136	9.53	315
171 Tier 1 Block	365	365	607	511	827	822	893	839	802	405	405	136	9.53	315
172 <b>Slice</b>	3511	3099	3010	3096	3954	4179	3844	3695	3626	3179	2997	4099	3529	3499
173 Slice Block	1356	1356	1305	1380	1601	1823	1813	1669	1544	1441	1441	1390	1366	1422
174 Slice Output from T1 System	2154	1742	1705	1716	2353	2356	2031	2025	2081	1738	1556	2709	2163	2077
175 <b>Direct Service Industries</b>	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
176 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
177 <b>Contract Deliveries</b>	1288	1288	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
178 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
179 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
180 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 <b>Total Firm Obligations</b>	<b>9623</b>	<b>9079</b>	<b>8887</b>	<b>8925</b>	<b>10496</b>	<b>11211</b>	<b>10950</b>	<b>10440</b>	<b>9994</b>	<b>9380</b>	<b>8951</b>	<b>9714</b>	<b>9142</b>	<b>9683</b>
<b>Net Resources</b>														
182 <b>Hydro Resources</b>	11055	9155	8777	8697	11471	11609	10033	10010	10352	8844	8006	13406	12075	10611
183 Regulated Hydro - Net	10482	8592	8252	8221	11050	11274	9915	9780	9962	8227	7372	12586	11231	10002
184 Independent Hydro - Net	569	560	522	472	417	330	113	225	385	613	629	815	840	605
185 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
186 <b>Other Resources</b>	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
187 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
190 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 <b>Contract Purchases</b>	292	282	281	281	297	297	289	289	290	282	277	305	292	290

**Loads and Resources - Federal System**  
**Operating Year: 2023    Water Year: 1937**  
**2017 White Book    Report Date: 6/1/2017    *Continued***

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
193 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
194 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
196 Slice Transmission Loss Return	51.9	41.9	41.0	41.3	56.6	56.7	48.9	48.7	50.1	41.8	37.5	65.2	52.1	50.0
197 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>198 Reserves &amp; Losses</b>	<b>-1648</b>	<b>-1529</b>	<b>-1508</b>	<b>-1525</b>	<b>-1729</b>	<b>-1764</b>	<b>-1666</b>	<b>-1649</b>	<b>-1654</b>	<b>-1536</b>	<b>-1484</b>	<b>-1807</b>	<b>-1682</b>	<b>-1639</b>
199 Contingency Reserves (Spinning)	-339	-311	-300	-310	-367	-382	-359	-351	-347	-313	-300	-371	-351	-335
200 Contingency Reserves (Non-Spinning)	-339	-311	-300	-310	-367	-382	-359	-351	-347	-313	-300	-371	-351	-335
201 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
202 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
203 Transmission Losses	-381	-318	-305	-302	-392	-396	-344	-344	-356	-307	-279	-460	-377	-366
<b>204 Total Net Resources</b>	<b>10827</b>	<b>9036</b>	<b>8685</b>	<b>8589</b>	<b>11179</b>	<b>11280</b>	<b>9800</b>	<b>9792</b>	<b>10131</b>	<b>8728</b>	<b>7937</b>	<b>13043</b>	<b>10685</b>	<b>10391</b>
<b>205 Total Surplus/Deficit</b>	<b>1,204</b>	<b>-43</b>	<b>-203</b>	<b>-335</b>	<b>683</b>	<b>69</b>	<b>-1,150</b>	<b>-648</b>	<b>137</b>	<b>-652</b>	<b>-1,014</b>	<b>3,329</b>	<b>1,543</b>	<b>709</b>

**Loads and Resources - Federal System**  
**Operating Year: 2024 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Obligations</b>														
206 <b>Load Following</b>	4417	4315	4113	4187	4535	5084	4993	4665	4463	4551	4372	4309	4507	4659
207 Preference Customers	4345	4345	4093	4331	4994	5591	5583	5279	4797	4563	4563	4235	4215	4475
208 Federal Agencies	149	149	142	158	200	224	226	208	187	156	156	145	148	157
209 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
210 Federal Diversity	-687	-789	-657	-710	-911	-1100	-1116	-1123	-911	-623	-803	-612	-440	-597
211 <b>Tier 1 Block</b>	365	365	608	511	829	823	894	811	803	406	406	136	9.29	315
212 Tier 1 Block	365	365	608	511	829	823	894	811	803	406	406	136	9.29	315
213 <b>Slice</b>	3552	3140	3046	3069	3918	4134	3812	3593	3588	3148	2968	4068	3743	3468
214 Slice Block	1393	1393	1341	1353	1569	1787	1777	1579	1513	1412	1412	1363	1339	1394
215 Slice Output from T1 System	2159	1747	1705	1716	2349	2347	2035	2014	2075	1736	1556	2706	2405	2074
216 <b>Direct Service Industries</b>	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
217 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
218 <b>Contract Deliveries</b>	1288	1288	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
219 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
220 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
221 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 <b>Total Firm Obligations</b>	<b>9712</b>	<b>9198</b>	<b>9006</b>	<b>9008</b>	<b>10529</b>	<b>11290</b>	<b>10947</b>	<b>10318</b>	<b>10096</b>	<b>9346</b>	<b>8987</b>	<b>9754</b>	<b>9500</b>	<b>9706</b>
<b>Net Resources</b>														
223 <b>Hydro Resources</b>	11075	9178	8779	8696	11454	11570	10052	9957	10324	8834	8003	13392	12054	10600
224 Regulated Hydro - Net	10502	8615	8254	8220	11033	11235	9934	9727	9934	8216	7370	12573	11210	9991
225 Independent Hydro - Net	569	560	522	472	417	330	113	225	385	613	629	815	840	605
226 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
227 <b>Other Resources</b>	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
228 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
231 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
232 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233 <b>Contract Purchases</b>	292	282	281	281	297	297	289	288	290	282	277	305	298	290



**Loads and Resources - Federal System**  
**Operating Year: 2024 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
234 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
235 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
236 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
237 Slice Transmission Loss Return	52.0	42.1	41.0	41.3	56.5	56.5	49.0	48.5	50.0	41.8	37.4	65.1	57.9	49.9
238 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>239 Reserves &amp; Losses</b>	<b>-1652</b>	<b>-1534</b>	<b>-1512</b>	<b>-1528</b>	<b>-1732</b>	<b>-1765</b>	<b>-1671</b>	<b>-1648</b>	<b>-1656</b>	<b>-1548</b>	<b>-1496</b>	<b>-1800</b>	<b>-1723</b>	<b>-1642</b>
240 Contingency Reserves (Spinning)	-341	-313	-302	-311	-368	-383	-361	-351	-349	-319	-307	-368	-352	-336
241 Contingency Reserves (Non-Spinning)	-341	-313	-302	-311	-368	-383	-361	-351	-349	-319	-307	-368	-352	-336
242 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
243 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
244 Transmission Losses	-382	-319	-305	-302	-392	-394	-345	-342	-355	-306	-278	-459	-415	-366
<b>245 Total Net Resources</b>	<b>10842</b>	<b>9054</b>	<b>8683</b>	<b>8585</b>	<b>11159</b>	<b>11239</b>	<b>9814</b>	<b>9740</b>	<b>10101</b>	<b>8706</b>	<b>7922</b>	<b>13036</b>	<b>11764</b>	<b>10378</b>
<b>246 Total Surplus/Deficit</b>	<b>1,131</b>	<b>-144</b>	<b>-323</b>	<b>-424</b>	<b>630</b>	<b>-50</b>	<b>-1,132</b>	<b>-578</b>	<b>6</b>	<b>-641</b>	<b>-1,065</b>	<b>3,283</b>	<b>2,264</b>	<b>672</b>

**Loads and Resources - Federal System**  
**Operating Year: 2025 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Obligations</b>														
247 <b>Load Following</b>	4446	4361	4267	4235	4584	5099	5026	4803	4501	4575	4399	4337	4557	4674
248 Preference Customers	4357	4357	4103	4342	5011	5609	5602	5313	4822	4589	4589	4268	4256	4515
249 Federal Agencies	149	149	143	159	202	227	229	210	189	158	158	146	150	159
250 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
251 Federal Diversity	-670	-756	-513	-675	-881	-1105	-1104	-1021	-900	-627	-803	-618	-433	-624
252 <b>Tier 1 Block</b>	366	366	609	510	827	822	892	839	802	405	405	136	9.53	314
253 Tier 1 Block	366	366	609	510	827	822	892	839	802	405	405	136	9.53	314
254 <b>Slice</b>	3521	3108	3020	3104	3962	4190	3854	3704	3634	3189	3007	4104	3536	3506
255 Slice Block	1365	1365	1314	1386	1608	1832	1821	1677	1552	1448	1448	1396	1371	1428
256 Slice Output from T1 System	2156	1743	1706	1718	2354	2357	2032	2027	2083	1742	1560	2708	2164	2078
257 <b>Direct Service Industries</b>	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
258 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
259 <b>Contract Deliveries</b>	1288	1288	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
260 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
261 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
262 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
263 <b>Total Firm Obligations</b>	<b>9711</b>	<b>9212</b>	<b>9136</b>	<b>9090</b>	<b>10622</b>	<b>11358</b>	<b>11020</b>	<b>10593</b>	<b>10177</b>	<b>9411</b>	<b>9053</b>	<b>9818</b>	<b>9342</b>	<b>9759</b>
<b>Net Resources</b>														
264 <b>Hydro Resources</b>	11062	9159	8783	8704	11479	11616	10040	10017	10358	8861	8022	13402	12081	10617
265 Regulated Hydro - Net	10489	8595	8259	8228	11057	11281	9922	9787	9968	8243	7389	12583	11237	10008
266 Independent Hydro - Net	569	560	522	472	417	330	113	225	385	613	629	815	840	605
267 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
268 <b>Other Resources</b>	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
269 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
270 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
271 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
272 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
273 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
274 <b>Contract Purchases</b>	292	282	281	281	297	297	289	289	290	282	278	305	292	290

**Loads and Resources - Federal System**  
**Operating Year: 2025    Water Year: 1937**  
**2017 White Book    Report Date: 6/1/2017    *Continued***

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
275 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
276 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
277 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
278 Slice Transmission Loss Return	51.9	42.0	41.1	41.3	56.7	56.7	48.9	48.8	50.1	41.9	37.5	65.2	52.1	50.0
279 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>280 Reserves &amp; Losses</b>	<b>-1655</b>	<b>-1533</b>	<b>-1515</b>	<b>-1532</b>	<b>-1737</b>	<b>-1771</b>	<b>-1673</b>	<b>-1656</b>	<b>-1661</b>	<b>-1552</b>	<b>-1500</b>	<b>-1803</b>	<b>-1688</b>	<b>-1645</b>
281 Contingency Reserves (Spinning)	-342	-313	-304	-313	-370	-385	-363	-354	-351	-321	-309	-370	-354	-338
282 Contingency Reserves (Non-Spinning)	-342	-313	-304	-313	-370	-385	-363	-354	-351	-321	-309	-370	-354	-338
283 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
284 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
285 Transmission Losses	-381	-318	-305	-302	-392	-396	-344	-344	-356	-307	-279	-460	-377	-366
<b>286 Total Net Resources</b>	<b>10828</b>	<b>9036</b>	<b>8685</b>	<b>8589</b>	<b>11179</b>	<b>11280</b>	<b>9800</b>	<b>9792</b>	<b>10131</b>	<b>8728</b>	<b>7937</b>	<b>13043</b>	<b>10685</b>	<b>10391</b>
<b>287 Total Surplus/Deficit</b>	<b>1,117</b>	<b>-177</b>	<b>-452</b>	<b>-501</b>	<b>557</b>	<b>-79</b>	<b>-1,220</b>	<b>-802</b>	<b>-47</b>	<b>-683</b>	<b>-1,116</b>	<b>3,225</b>	<b>1,342</b>	<b>633</b>

**Loads and Resources - Federal System**  
**Operating Year: 2026 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Obligations</b>														
288 <b>Load Following</b>	4552	4446	4201	4257	4677	5047	5043	4812	4531	4602	4405	4388	4505	4681
289 Preference Customers	4395	4395	4140	4369	5032	5648	5629	5311	4839	4613	4613	4285	4275	4536
290 Federal Agencies	151	151	144	161	204	229	231	209	191	160	160	147	151	161
291 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
292 Federal Diversity	-605	-710	-618	-682	-811	-1200	-1118	-1009	-889	-626	-822	-585	-505	-639
293 <b>Tier 1 Block</b>	365	365	608	510	827	821	892	838	801	405	405	136	9.26	314
294 Tier 1 Block	365	365	608	510	827	821	892	838	801	405	405	136	9.26	314
295 <b>Slice</b>	3558	3147	3052	3074	3924	4138	3815	3652	3591	3150	2969	4071	3744	3468
296 Slice Block	1399	1399	1346	1357	1574	1794	1783	1642	1519	1417	1417	1367	1342	1398
297 Slice Output from T1 System	2160	1749	1706	1717	2350	2344	2032	2011	2072	1733	1552	2704	2401	2071
298 <b>Direct Service Industries</b>	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
299 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
300 <b>Contract Deliveries</b>	1288	1288	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
301 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
302 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
303 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
304 <b>Total Firm Obligations</b>	<b>9853</b>	<b>9336</b>	<b>9101</b>	<b>9082</b>	<b>10676</b>	<b>11253</b>	<b>10997</b>	<b>10551</b>	<b>10164</b>	<b>9398</b>	<b>9021</b>	<b>9837</b>	<b>9498</b>	<b>9728</b>
<b>Net Resources</b>														
305 <b>Hydro Resources</b>	11081	9184	8784	8701	11459	11555	10037	9943	10308	8818	7987	13386	12037	10584
306 Regulated Hydro - Net	10508	8620	8259	8225	11038	11220	9919	9713	9919	8200	7354	12567	11194	9975
307 Independent Hydro - Net	569	560	522	472	417	330	113	225	385	613	629	815	840	605
308 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
309 <b>Other Resources</b>	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
310 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
311 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
312 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
313 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
314 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
315 <b>Contract Purchases</b>	292	282	281	281	297	296	289	288	290	282	277	305	298	290

**Loads and Resources - Federal System**  
**Operating Year: 2026 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
316 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
317 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
318 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
319 Slice Transmission Loss Return	52.0	42.1	41.1	41.3	56.6	56.4	48.9	48.4	49.9	41.7	37.4	65.1	57.8	49.8
320 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>321 Reserves &amp; Losses</b>	<b>-1658</b>	<b>-1540</b>	<b>-1517</b>	<b>-1533</b>	<b>-1737</b>	<b>-1750</b>	<b>-1656</b>	<b>-1634</b>	<b>-1640</b>	<b>-1532</b>	<b>-1481</b>	<b>-1793</b>	<b>-1707</b>	<b>-1626</b>
322 Contingency Reserves (Spinning)	-344	-316	-305	-314	-371	-376	-354	-344	-341	-311	-299	-365	-344	-328
323 Contingency Reserves (Non-Spinning)	-344	-316	-305	-314	-371	-376	-354	-344	-341	-311	-299	-365	-344	-328
324 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
325 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
326 Transmission Losses	-382	-319	-305	-302	-392	-394	-345	-342	-355	-306	-278	-459	-415	-366
<b>327 Total Net Resources</b>	<b>10843</b>	<b>9054</b>	<b>8683</b>	<b>8585</b>	<b>11159</b>	<b>11239</b>	<b>9814</b>	<b>9740</b>	<b>10101</b>	<b>8706</b>	<b>7922</b>	<b>13036</b>	<b>11764</b>	<b>10378</b>
<b>328 Total Surplus/Deficit</b>	<b>990</b>	<b>-282</b>	<b>-418</b>	<b>-497</b>	<b>484</b>	<b>-14</b>	<b>-1,183</b>	<b>-811</b>	<b>-62</b>	<b>-692</b>	<b>-1,099</b>	<b>3,200</b>	<b>2,265</b>	<b>650</b>

**Loads and Resources - Federal System**  
**Operating Year: 2027 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Obligations</b>														
329 <b>Load Following</b>	4576	4457	4198	4246	4653	5079	5111	4834	4480	4627	4386	4401	4527	4702
330 Preference Customers	4415	4415	4150	4379	5043	5665	5651	5361	4850	4632	4632	4296	4295	4556
331 Federal Agencies	152	152	146	161	205	230	232	213	192	160	160	148	152	161
332 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
333 Federal Diversity	-601	-721	-632	-704	-848	-1185	-1072	-1042	-952	-620	-862	-583	-503	-640
334 <b>Tier 1 Block</b>	365	365	607	511	827	822	893	839	802	405	405	136	9.53	315
335 Tier 1 Block	365	365	607	511	827	822	893	839	802	405	405	136	9.53	315
336 <b>Slice</b>	3521	3109	3020	3107	3967	4196	3860	3709	3639	3193	3011	4109	3538	3509
337 Slice Block	1369	1369	1318	1392	1616	1842	1831	1686	1560	1455	1455	1404	1378	1435
338 Slice Output from T1 System	2152	1740	1702	1715	2351	2354	2029	2023	2079	1738	1556	2706	2161	2074
339 <b>Direct Service Industries</b>	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
340 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
341 <b>Contract Deliveries</b>	1288	1288	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
342 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
343 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
344 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
345 <b>Total Firm Obligations</b>	<b>9840</b>	<b>9308</b>	<b>9065</b>	<b>9105</b>	<b>10695</b>	<b>11344</b>	<b>11111</b>	<b>10629</b>	<b>10162</b>	<b>9467</b>	<b>9043</b>	<b>9888</b>	<b>9315</b>	<b>9789</b>
<b>Net Resources</b>														
346 <b>Hydro Resources</b>	11046	9146	8767	8689	11462	11599	10024	10000	10341	8845	8006	13393	12063	10601
347 Regulated Hydro - Net	10473	8582	8242	8213	11040	11264	9906	9771	9951	8227	7373	12574	11220	9992
348 Independent Hydro - Net	569	560	522	472	417	330	113	225	385	613	629	815	840	605
349 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
350 <b>Other Resources</b>	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
351 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
352 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
353 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
354 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
355 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
356 <b>Contract Purchases</b>	292	282	281	281	297	297	289	289	290	282	277	305	292	290

**Loads and Resources - Federal System**  
**Operating Year: 2027    Water Year: 1937**  
**2017 White Book    Report Date: 6/1/2017    *Continued***

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
357 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
358 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
359 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
360 Slice Transmission Loss Return	51.8	41.9	41.0	41.3	56.6	56.7	48.8	48.7	50.0	41.8	37.5	65.1	52.0	49.9
361 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>362 Reserves &amp; Losses</b>	<b>-1638</b>	<b>-1520</b>	<b>-1498</b>	<b>-1517</b>	<b>-1719</b>	<b>-1754</b>	<b>-1657</b>	<b>-1640</b>	<b>-1643</b>	<b>-1536</b>	<b>-1484</b>	<b>-1794</b>	<b>-1671</b>	<b>-1629</b>
363 Contingency Reserves (Spinning)	-334	-306	-295	-306	-362	-377	-354	-346	-342	-313	-301	-365	-345	-329
364 Contingency Reserves (Non-Spinning)	-334	-306	-295	-306	-362	-377	-354	-346	-342	-313	-301	-365	-345	-329
365 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
366 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
367 Transmission Losses	-381	-318	-305	-302	-392	-396	-344	-344	-356	-307	-279	-460	-377	-366
<b>368 Total Net Resources</b>	<b>10827</b>	<b>9036</b>	<b>8685</b>	<b>8589</b>	<b>11179</b>	<b>11280</b>	<b>9800</b>	<b>9791</b>	<b>10131</b>	<b>8728</b>	<b>7937</b>	<b>13043</b>	<b>10685</b>	<b>10391</b>
<b>369 Total Surplus/Deficit</b>	<b>988</b>	<b>-273</b>	<b>-381</b>	<b>-515</b>	<b>484</b>	<b>-64</b>	<b>-1,311</b>	<b>-838</b>	<b>-31</b>	<b>-739</b>	<b>-1,106</b>	<b>3,155</b>	<b>1,369</b>	<b>602</b>

**Loads and Resources - Federal System**  
**Operating Year: 2028 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Obligations</b>														
370 <b>Load Following</b>	4580	4458	4199	4295	4578	5096	5126	4810	4479	4662	4418	4340	4538	4780
371 Preference Customers	4434	4434	4160	4389	5054	5677	5668	5379	4861	4646	4646	4306	4307	4565
372 Federal Agencies	153	153	146	162	206	231	233	214	193	161	161	149	152	162
373 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
374 Federal Diversity	-618	-740	-641	-665	-934	-1180	-1075	-1084	-964	-599	-844	-654	-506	-571
375 <b>Tier 1 Block</b>	365	365	608	511	829	823	894	811	803	406	406	136	9.28	315
376 Tier 1 Block	365	365	608	511	829	823	894	811	803	406	406	136	9.28	315
377 <b>Slice</b>	3561	3150	3055	3079	3932	4152	3829	3608	3603	3161	2980	4081	3753	3479
378 Slice Block	1405	1405	1353	1366	1585	1807	1796	1597	1530	1427	1427	1377	1351	1407
379 Slice Output from T1 System	2156	1745	1702	1714	2346	2345	2032	2011	2072	1733	1553	2705	2402	2071
380 <b>Direct Service Industries</b>	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
381 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
382 <b>Contract Deliveries</b>	1288	1288	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
383 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
384 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
385 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
386 <b>Total Firm Obligations</b>	<b>9884</b>	<b>9351</b>	<b>9102</b>	<b>9127</b>	<b>10586</b>	<b>11318</b>	<b>11097</b>	<b>10478</b>	<b>10126</b>	<b>9470</b>	<b>9045</b>	<b>9799</b>	<b>9540</b>	<b>9838</b>
<b>Net Resources</b>														
387 <b>Hydro Resources</b>	11064	9168	8767	8685	11442	11557	10040	9947	10311	8822	7991	13387	12040	10587
388 Regulated Hydro - Net	10491	8604	8242	8209	11020	11223	9922	9717	9921	8204	7357	12568	11196	9979
389 Independent Hydro - Net	569	560	522	472	417	330	113	225	385	613	629	815	840	605
390 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
391 <b>Other Resources</b>	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
392 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
393 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
394 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
395 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
396 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
397 <b>Contract Purchases</b>	292	282	281	281	296	296	289	288	290	282	277	305	298	290



**Loads and Resources - Federal System**  
**Operating Year: 2028    Water Year: 1937**  
**2017 White Book    Report Date: 6/1/2017    *Continued***

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
398 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
399 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
401 Slice Transmission Loss Return	51.9	42.0	41.0	41.2	56.5	56.4	48.9	48.4	49.9	41.7	37.4	65.1	57.8	49.9
402 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>403 Reserves &amp; Losses</b>	<b>-1642</b>	<b>-1524</b>	<b>-1500</b>	<b>-1517</b>	<b>-1719</b>	<b>-1752</b>	<b>-1659</b>	<b>-1638</b>	<b>-1642</b>	<b>-1536</b>	<b>-1484</b>	<b>-1795</b>	<b>-1709</b>	<b>-1629</b>
404 Contingency Reserves (Spinning)	-336	-308	-296	-306	-362	-377	-355	-346	-342	-313	-301	-366	-345	-330
405 Contingency Reserves (Non-Spinning)	-336	-308	-296	-306	-362	-377	-355	-346	-342	-313	-301	-366	-345	-330
406 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
407 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
408 Transmission Losses	-382	-319	-305	-302	-392	-394	-345	-342	-355	-306	-278	-459	-415	-366
<b>409 Total Net Resources</b>	<b>10842</b>	<b>9054</b>	<b>8683</b>	<b>8585</b>	<b>11159</b>	<b>11239</b>	<b>9814</b>	<b>9740</b>	<b>10101</b>	<b>8706</b>	<b>7922</b>	<b>13036</b>	<b>11764</b>	<b>10378</b>
<b>410 Total Surplus/Deficit</b>	<b>958</b>	<b>-297</b>	<b>-419</b>	<b>-542</b>	<b>573</b>	<b>-79</b>	<b>-1,283</b>	<b>-738</b>	<b>-25</b>	<b>-764</b>	<b>-1,123</b>	<b>3,238</b>	<b>2,223</b>	<b>540</b>

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***Exhibit 13  
Regional Report Surplus Deficit***

***Monthly 120-Hour Capacity  
Operating Year 2019 to 2028  
Using 1937-Water Conditions***

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**Loads and Resources - Pacific Northwest Region**  
**Operating Year: 2019 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regional Loads</b>														
<b>1 Retail Loads</b>	30705	30583	27495	27451	31259	33814	33471	32094	29475	28173	28114	27375	29042	31170
2 Federal Agency	144	144	140	162	197	221	221	204	185	160	160	149	153	161
3 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
4 Cooperative	2795	2795	2578	2586	2955	3334	3318	3144	2855	2813	2813	2756	2812	2982
5 Municipality	3230	3230	3081	3430	3888	4296	4314	4125	3771	3494	3494	3127	3087	3246
6 Public Utility District	5917	5917	5575	6051	6928	7624	7667	7248	6781	6342	6342	5758	5641	5915
7 Investor-Owned Utility	18364	18364	16028	15447	17642	18860	18514	17870	16223	15408	15408	15526	17140	18563
8 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
9 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
10 Federal Diversity	-781	-903	-866	-1061	-1029	-1317	-1288	-1224	-1155	-926	-985	-910	-800	-747
<b>11 Exports</b>	1935	1935	1798	1458	1431	1423	1421	1421	1395	1382	1390	1390	1699	1715
12 Canada	1445	1445	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1340
13 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
14 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Pacific Southwest	483	483	466	126	106	97.9	95.8	95.8	70.0	56.7	64.7	64.7	374	374
16 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>17 Total Regional Loads</b>	<b>32640</b>	<b>32518</b>	<b>29293</b>	<b>28909</b>	<b>32691</b>	<b>35237</b>	<b>34892</b>	<b>33515</b>	<b>30870</b>	<b>29555</b>	<b>29504</b>	<b>28765</b>	<b>30742</b>	<b>32885</b>
<b>Regional Resources</b>														
<b>18 Hydro Resources</b>	22892	20548	20068	19869	22719	22735	20752	20671	21367	19510	19886	24655	24523	20990
19 Regulated Hydro - Net	20836	18503	18135	18039	21019	21068	19344	19201	19578	17325	17670	22111	21904	18779
20 Independent Hydro - Net	1666	1658	1616	1596	1514	1492	1239	1289	1567	1847	1871	2080	2142	1751
21 Small Hydro - Net	390	388	317	234	186	174	169	181	222	337	345	464	477	459
<b>22 Other Resources</b>	16384	16385	16468	16593	16769	16850	16851	16810	16092	15402	14339	14216	14823	16383
23 Cogeneration Resources	2669	2669	2686	2730	2752	2766	2767	2763	2095	2193	2185	2418	2674	2665
24 Combustion Turbine Resources	6475	6475	6535	6613	6764	6831	6837	6791	6743	6699	5645	5785	6038	6478
25 Large Thermal Resources	6984	6984	6991	6992	6996	6994	7000	6998	6999	6254	6254	5755	5856	6986
26 Renewable Resources	175	175	175	176	176	176	164	176	174	174	174	175	174	174
27 Small Thermal & Miscellaneous	81.8	82.1	81.2	81.3	81.6	82.7	83.1	82.8	81.4	81.5	81.2	83.4	81.2	80.5
<b>28 Imports</b>	976	976	853	845	1096	1199	1174	1206	907	762	762	804	1047	1124
29 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
30 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Inland Southwest	755	755	632	573	569	650	594	593	569	540	540	582	826	903

**Loads and Resources - Pacific Northwest Region**

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

**2017 White Book** Report Date: 6/1/2017 *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<sup>32</sup> Pacific Southwest	75.0	75.0	75.0	125	425	425	425	425	125	75.0	75.0	75.0	75.0	75.0
<sup>33</sup> Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<sup>34</sup> <b>Reserves &amp; Losses</b>	-3855	-3710	-3592	-3594	-3889	-3977	-3844	-3798	-3710	-3531	-3488	-3751	-3862	-3754
<sup>35</sup> Contingency Reserves (Non-Spinning)	-981	-947	-895	-899	-993	-1035	-1001	-979	-939	-894	-883	-938	-982	-960
<sup>36</sup> Contingency Reserves (Spinning)	-981	-947	-895	-899	-993	-1035	-1001	-979	-939	-894	-883	-938	-982	-960
<sup>37</sup> Generation Imbalance Reserves	-260	-260	-260	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
<sup>38</sup> Load Following Reserves	-360	-360	-360	-361	-361	-361	-361	-361	-361	-361	-361	-361	-361	-361
<sup>39</sup> Transmission Losses	-1273	-1196	-1182	-1179	-1284	-1288	-1222	-1220	-1212	-1124	-1102	-1257	-1278	-1215
<sup>40</sup> <b>Total Regional Resources</b>	<b>36397</b>	<b>34200</b>	<b>33797</b>	<b>33713</b>	<b>36695</b>	<b>36806</b>	<b>34933</b>	<b>34889</b>	<b>34656</b>	<b>32142</b>	<b>31499</b>	<b>35924</b>	<b>36531</b>	<b>34743</b>
<sup>41</sup> <b>Total Surplus/Deficit</b>	<b>3757</b>	<b>1682</b>	<b>4505</b>	<b>4804</b>	<b>4005</b>	<b>1569</b>	<b>40.7</b>	<b>1374</b>	<b>3786</b>	<b>2588</b>	<b>1995</b>	<b>7159</b>	<b>5789</b>	<b>1858</b>

**Loads and Resources - Pacific Northwest Region**

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

**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regional Loads</b>														
42 <b>Retail Loads</b>	31021	30842	27785	27815	31612	34194	33868	32043	29888	28603	28509	27883	29478	31566
43 Federal Agency	153	153	148	168	207	231	233	214	194	167	167	155	159	168
44 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
45 Cooperative	2878	2878	2669	2678	3049	3430	3411	3239	2946	2909	2909	2853	2905	3071
46 Municipality	3252	3252	3101	3452	3915	4325	4386	4200	3848	3572	3572	3203	3161	3320
47 Public Utility District	5919	5919	5570	6111	6997	7700	7744	7266	6850	6408	6408	5826	5703	5978
48 Investor-Owned Utility	18527	18527	16170	15580	17775	18999	18652	17653	16359	15541	15541	15664	17298	18734
49 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
50 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
51 Federal Diversity	-746	-924	-832	-1009	-1008	-1286	-1284	-1256	-1125	-876	-969	-786	-759	-756
52 <b>Exports</b>	1637	1637	1516	1207	1199	1199	1199	1199	1199	1199	1207	1207	1516	1540
53 Canada	1262	1262	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
54 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
55 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Pacific Southwest	374	374	374	64.7	56.7	56.7	56.7	56.7	56.7	56.7	64.7	64.7	374	374
57 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 <b>Total Regional Loads</b>	<b>32658</b>	<b>32480</b>	<b>29301</b>	<b>29023</b>	<b>32811</b>	<b>35393</b>	<b>35068</b>	<b>33242</b>	<b>31087</b>	<b>29802</b>	<b>29717</b>	<b>29090</b>	<b>30994</b>	<b>33106</b>
<b>Regional Resources</b>														
59 <b>Hydro Resources</b>	22829	20521	19971	19495	22662	22800	21217	20856	21241	19489	18694	24569	24075	22113
60 Regulated Hydro - Net	20774	18477	18042	17668	20963	21133	19809	19386	19455	17305	16482	22027	21457	19901
61 Independent Hydro - Net	1666	1658	1616	1596	1514	1492	1239	1289	1567	1847	1871	2080	2142	1751
62 Small Hydro - Net	390	387	313	231	185	174	169	181	219	337	340	462	477	461
63 <b>Other Resources</b>	16384	16385	16468	16590	16766	16850	16851	16810	16092	16096	15079	14063	15804	16383
64 Cogeneration Resources	2669	2669	2686	2730	2752	2766	2767	2763	2095	2665	2185	2418	2674	2665
65 Combustion Turbine Resources	6475	6475	6535	6611	6761	6831	6837	6791	6743	6699	5645	5785	6038	6478
66 Large Thermal Resources	6984	6984	6991	6992	6996	6994	7000	6998	6999	6476	6994	5601	6837	6986
67 Renewable Resources	175	175	175	176	176	176	164	176	174	174	174	175	174	174
68 Small Thermal & Miscellaneous	81.8	82.1	81.2	81.3	81.6	82.7	83.1	82.8	81.4	81.5	81.2	83.4	81.2	80.5
69 <b>Imports</b>	984	984	857	848	1099	1202	1177	1209	910	765	765	807	1056	1134
70 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
71 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Inland Southwest	763	763	636	576	572	653	597	596	572	543	543	585	835	913

**Loads and Resources - Pacific Northwest Region**

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

**2017 White Book** Report Date: 6/1/2017 *Continued*

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
73 Pacific Southwest	75.0	75.0	75.0	125	425	425	425	425	125	75.0	75.0	75.0	75.0	75.0
74 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>75 Reserves &amp; Losses</b>	<b>-3821</b>	<b>-3677</b>	<b>-3576</b>	<b>-3566</b>	<b>-3881</b>	<b>-3977</b>	<b>-3870</b>	<b>-3795</b>	<b>-3699</b>	<b>-3564</b>	<b>-3436</b>	<b>-3737</b>	<b>-3864</b>	<b>-3822</b>
76 Contingency Reserves (Non-Spinning)	-985	-951	-897	-898	-997	-1042	-1014	-982	-943	-906	-872	-942	-982	-982
77 Contingency Reserves (Spinning)	-985	-951	-897	-898	-997	-1042	-1014	-982	-943	-906	-872	-942	-982	-982
78 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
79 Load Following Reserves	-336	-336	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
80 Transmission Losses	-1273	-1197	-1180	-1167	-1282	-1290	-1238	-1227	-1208	-1147	-1088	-1249	-1297	-1253
<b>81 Total Regional Resources</b>	<b>36377</b>	<b>34213</b>	<b>33720</b>	<b>33368</b>	<b>36647</b>	<b>36874</b>	<b>35376</b>	<b>35081</b>	<b>34544</b>	<b>32786</b>	<b>31102</b>	<b>35701</b>	<b>37071</b>	<b>35809</b>
<b>82 Total Surplus/Deficit</b>	<b>3719</b>	<b>1733</b>	<b>4419</b>	<b>4345</b>	<b>3836</b>	<b>1480</b>	<b>308</b>	<b>1839</b>	<b>3457</b>	<b>2984</b>	<b>1386</b>	<b>6611</b>	<b>6077</b>	<b>2703</b>

**Loads and Resources - Pacific Northwest Region**

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regional Loads</b>														
83 <b>Retail Loads</b>	31478	31295	28144	28225	32006	34564	34265	32813	30179	28978	28798	28247	29815	31854
84 Federal Agency	160	160	153	169	208	233	234	216	195	168	168	156	160	169
85 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
86 Cooperative	2967	2967	2767	2775	3143	3525	3507	3330	3041	3004	3004	2948	2993	3159
87 Municipality	3331	3331	3186	3525	3989	4397	4398	4208	3858	3580	3580	3211	3169	3328
88 Public Utility District	5985	5985	5635	6175	7066	7775	7805	7380	6907	6461	6461	5883	5760	6036
89 Investor-Owned Utility	18691	18691	16315	15713	17912	19142	18777	18134	16480	15657	15657	15786	17439	18886
90 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
91 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
92 Federal Diversity	-693	-876	-872	-967	-990	-1302	-1182	-1183	-1118	-773	-953	-704	-715	-774
93 <b>Exports</b>	1653	1653	1516	1207	1199	1199	1199	1199	1199	1199	1207	1207	1516	1540
94 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
95 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
96 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Pacific Southwest	374	374	374	64.7	56.7	56.7	56.7	56.7	56.7	56.7	64.7	64.7	374	374
98 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 <b>Total Regional Loads</b>	<b>33131</b>	<b>32948</b>	<b>29661</b>	<b>29432</b>	<b>33205</b>	<b>35763</b>	<b>35465</b>	<b>34012</b>	<b>31378</b>	<b>30178</b>	<b>30005</b>	<b>29454</b>	<b>31332</b>	<b>33394</b>
<b>Regional Resources</b>														
100 <b>Hydro Resources</b>	22343	20407	19605	19528	22710	22757	21294	20834	21131	19399	18564	24576	24004	22263
101 Regulated Hydro - Net	20287	18361	17672	17698	21010	21091	19966	19445	19425	17294	16433	22114	21466	20051
102 Independent Hydro - Net	1666	1658	1616	1596	1514	1492	1159	1209	1487	1767	1791	2000	2062	1751
103 Small Hydro - Net	390	388	317	234	186	174	169	181	219	337	340	461	477	461
104 <b>Other Resources</b>	16384	16385	16468	16590	16766	16180	15611	15570	14852	15374	13839	13881	13429	15143
105 Cogeneration Resources	2669	2669	2686	2730	2752	2766	2767	2763	2095	2665	2185	2418	2674	2665
106 Combustion Turbine Resources	6475	6475	6535	6611	6761	6831	6837	6791	6743	6699	5645	5785	6038	6478
107 Large Thermal Resources	6984	6984	6991	6992	6996	6324	5760	5758	5759	5754	5754	5420	4462	5746
108 Renewable Resources	175	175	175	176	176	176	164	176	174	174	174	175	174	174
109 Small Thermal & Miscellaneous	81.8	82.1	81.2	81.3	81.6	82.7	83.1	82.8	81.4	81.5	81.2	83.4	81.2	80.5
110 <b>Imports</b>	992	992	861	852	1102	1206	1180	1212	914	769	769	811	1064	1068
111 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
112 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Inland Southwest	771	771	640	580	575	657	600	599	576	547	547	589	843	922



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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
114 Pacific Southwest	75.0	75.0	75.0	125	425	425	425	425	125	75.0	75.0	75.0	75.0	0
115 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>116 Reserves &amp; Losses</b>	<b>-3812</b>	<b>-3691</b>	<b>-3565</b>	<b>-3578</b>	<b>-3894</b>	<b>-3944</b>	<b>-3805</b>	<b>-3736</b>	<b>-3623</b>	<b>-3506</b>	<b>-3358</b>	<b>-3713</b>	<b>-3753</b>	<b>-3760</b>
117 Contingency Reserves (Non-Spinning)	-983	-955	-898	-904	-1003	-1037	-1001	-973	-927	-891	-856	-933	-967	-971
118 Contingency Reserves (Spinning)	-983	-955	-898	-904	-1003	-1037	-1001	-973	-927	-891	-856	-933	-967	-971
119 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
120 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
121 Transmission Losses	-1256	-1193	-1167	-1168	-1283	-1266	-1199	-1185	-1164	-1121	-1043	-1244	-1215	-1214
<b>122 Total Regional Resources</b>	<b>35908</b>	<b>34093</b>	<b>33369</b>	<b>33392</b>	<b>36685</b>	<b>36198</b>	<b>34280</b>	<b>33881</b>	<b>33274</b>	<b>32035</b>	<b>29814</b>	<b>35554</b>	<b>34745</b>	<b>34715</b>
<b>123 Total Surplus/Deficit</b>	<b>2777</b>	<b>1145</b>	<b>3709</b>	<b>3960</b>	<b>3480</b>	<b>435</b>	<b>-1185</b>	<b>-131</b>	<b>1896</b>	<b>1858</b>	<b>-191</b>	<b>6100</b>	<b>3413</b>	<b>1320</b>

**Loads and Resources - Pacific Northwest Region**

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

**2017 White Book Report Date: 6/1/2017**

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regional Loads</b>														
124 <b>Retail Loads</b>	31756	31654	28495	28597	32285	34919	34589	33113	30509	29316	29097	28557	30169	32236
125 Federal Agency	161	161	154	170	208	233	235	213	196	169	169	157	161	170
126 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
127 Cooperative	3055	3055	2862	2870	3238	3621	3603	3398	3136	3086	3086	3039	3076	3243
128 Municipality	3339	3339	3193	3533	3999	4408	4407	4219	3867	3588	3588	3218	3177	3337
129 Public Utility District	6043	6043	5690	6230	7126	7840	7869	7437	6963	6518	6518	5935	5812	6091
130 Investor-Owned Utility	18839	18839	16445	15829	18028	19264	18898	18254	16597	15771	15771	15903	17574	19036
131 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
132 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
133 Federal Diversity	-717	-819	-809	-871	-994	-1241	-1149	-1136	-1066	-696	-915	-663	-641	-690
134 <b>Exports</b>	1288	1288	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1175
135 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
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
137 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
139 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 <b>Total Regional Loads</b>	<b>33043</b>	<b>32941</b>	<b>29645</b>	<b>29748</b>	<b>33427</b>	<b>36061</b>	<b>35732</b>	<b>34255</b>	<b>31651</b>	<b>30458</b>	<b>30248</b>	<b>29707</b>	<b>31319</b>	<b>33410</b>
<b>Regional Resources</b>														
141 <b>Hydro Resources</b>	22431	20393	19570	19442	22535	22685	21330	20853	21112	19388	18557	24536	24018	22367
142 Regulated Hydro - Net	20376	18347	17646	17692	20915	21099	20002	19464	19406	17284	16425	22074	21480	20155
143 Independent Hydro - Net	1666	1658	1607	1516	1434	1412	1159	1209	1487	1767	1791	2000	2062	1751
144 Small Hydro - Net	390	388	317	234	186	174	169	181	219	337	340	461	477	461
145 <b>Other Resources</b>	15144	15145	15228	15350	15526	15610	15484	15443	14725	13700	12637	14089	14591	14709
146 Cogeneration Resources	2669	2669	2686	2730	2752	2766	2767	2763	2095	2193	2185	2418	2674	2665
147 Combustion Turbine Resources	6475	6475	6535	6611	6761	6831	6837	6791	6743	6699	5645	5785	6038	6478
148 Large Thermal Resources	5744	5744	5751	5752	5756	5754	5633	5631	5632	4552	4552	5628	5624	5312
149 Renewable Resources	175	175	175	176	176	176	164	176	174	174	174	175	174	174
150 Small Thermal & Miscellaneous	81.8	82.1	81.2	81.3	81.6	82.7	83.1	82.8	81.4	81.5	81.2	83.4	81.2	80.5
151 <b>Imports</b>	925	925	790	731	980	1085	1059	1091	793	697	697	740	998	1078
152 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
153 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Inland Southwest	779	779	644	584	578	661	604	603	580	550	550	593	852	932

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
155 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
156 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>157 Reserves &amp; Losses</b>	<b>-3746</b>	<b>-3616</b>	<b>-3492</b>	<b>-3499</b>	<b>-3810</b>	<b>-3908</b>	<b>-3807</b>	<b>-3735</b>	<b>-3621</b>	<b>-3431</b>	<b>-3312</b>	<b>-3732</b>	<b>-3798</b>	<b>-3760</b>
158 Contingency Reserves (Non-Spinning)	-971	-939	-883	-888	-987	-1031	-1006	-977	-931	-882	-854	-941	-971	-976
159 Contingency Reserves (Spinning)	-971	-939	-883	-888	-987	-1031	-1006	-977	-931	-882	-854	-941	-971	-976
160 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
161 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
162 Transmission Losses	-1216	-1149	-1123	-1120	-1232	-1241	-1192	-1177	-1155	-1062	-1000	-1246	-1253	-1203
<b>163 Total Regional Resources</b>	<b>34755</b>	<b>32847</b>	<b>32097</b>	<b>32025</b>	<b>35232</b>	<b>35472</b>	<b>34066</b>	<b>33652</b>	<b>33009</b>	<b>30355</b>	<b>28579</b>	<b>35632</b>	<b>35809</b>	<b>34394</b>
<b>164 Total Surplus/Deficit</b>	<b>1711</b>	<b>-94.0</b>	<b>2452</b>	<b>2277</b>	<b>1805</b>	<b>-589</b>	<b>-1666</b>	<b>-603</b>	<b>1358</b>	<b>-104</b>	<b>-1669</b>	<b>5925</b>	<b>4490</b>	<b>984</b>

**Loads and Resources - Pacific Northwest Region**  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regional Loads</b>														
165 <b>Retail Loads</b>	32046	31914	28853	28934	32595	35224	34888	33422	30815	29662	29416	28817	30521	32586
166 Federal Agency	161	161	155	169	207	232	234	215	195	168	168	156	160	169
167 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
168 Cooperative	3137	3137	2953	2961	3329	3703	3686	3505	3227	3167	3167	3125	3160	3327
169 Municipality	3349	3349	3201	3541	4008	4418	4419	4231	3877	3596	3596	3226	3185	3346
170 Public Utility District	6096	6096	5739	6282	7182	7900	7936	7500	7023	6575	6575	5991	5869	6149
171 Investor-Owned Utility	18987	18987	16571	15943	18144	19381	19017	18369	16711	15883	15883	16020	17708	19182
172 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
173 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
174 Federal Diversity	-720	-853	-727	-798	-954	-1205	-1128	-1126	-1033	-609	-856	-669	-570	-636
<b>Exports</b>														
175 <b>Exports</b>	1288	1288	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1175
176 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
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
178 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
179 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
180 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>181 Total Regional Loads</b>	<b>33334</b>	<b>33202</b>	<b>30003</b>	<b>30084</b>	<b>33738</b>	<b>36367</b>	<b>36031</b>	<b>34564</b>	<b>31958</b>	<b>30805</b>	<b>30566</b>	<b>29967</b>	<b>31671</b>	<b>33760</b>
<b>Regional Resources</b>														
182 <b>Hydro Resources</b>	22414	20376	19569	19451	22559	22731	21318	20913	21146	19416	18577	24546	24046	22385
183 Regulated Hydro - Net	20359	18330	17645	17701	20939	21145	19990	19523	19441	17312	16445	22085	21508	20173
184 Independent Hydro - Net	1666	1658	1607	1516	1434	1412	1159	1209	1487	1767	1791	2000	2062	1751
185 Small Hydro - Net	390	388	317	234	186	174	169	181	219	337	340	461	477	461
<b>Other Resources</b>														
186 <b>Other Resources</b>	14710	14711	14740	14864	15039	15120	15121	15081	14362	14032	13070	13755	13095	14656
187 Cogeneration Resources	2669	2669	2686	2730	2752	2766	2767	2763	2095	2665	2185	2418	2674	2665
188 Combustion Turbine Resources	6475	6475	6482	6559	6708	6775	6781	6735	6688	6644	5645	5758	5984	6425
189 Large Thermal Resources	5310	5310	5317	5318	5322	5320	5326	5324	5325	4467	4985	5321	4182	5312
190 Renewable Resources	175	175	175	176	176	176	164	176	174	174	174	175	174	174
191 Small Thermal & Miscellaneous	81.8	82.1	81.2	81.3	81.6	82.7	83.1	82.8	81.4	81.5	81.2	83.4	81.2	80.5
<b>Imports</b>														
192 <b>Imports</b>	934	934	794	735	983	1089	1062	1094	796	701	701	744	1007	1088
193 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
194 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Inland Southwest	788	788	648	588	581	665	607	606	583	554	554	597	861	942

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
196 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
197 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>198 Reserves &amp; Losses</b>	<b>-3739</b>	<b>-3612</b>	<b>-3483</b>	<b>-3491</b>	<b>-3802</b>	<b>-3901</b>	<b>-3802</b>	<b>-3735</b>	<b>-3618</b>	<b>-3464</b>	<b>-3335</b>	<b>-3729</b>	<b>-3757</b>	<b>-3768</b>
199 Contingency Reserves (Non-Spinning)	-974	-945	-887	-892	-991	-1036	-1009	-982	-935	-893	-858	-945	-975	-981
200 Contingency Reserves (Spinning)	-974	-945	-887	-892	-991	-1036	-1009	-982	-935	-893	-858	-945	-975	-981
201 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
202 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
203 Transmission Losses	-1201	-1134	-1106	-1104	-1217	-1226	-1179	-1167	-1143	-1073	-1015	-1235	-1203	-1202
<b>204 Total Regional Resources</b>	<b>34320</b>	<b>32409</b>	<b>31621</b>	<b>31560</b>	<b>34780</b>	<b>35038</b>	<b>33700</b>	<b>33352</b>	<b>32687</b>	<b>30684</b>	<b>29012</b>	<b>35316</b>	<b>34391</b>	<b>34361</b>
<b>205 Total Surplus/Deficit</b>	<b>987</b>	<b>-792</b>	<b>1618</b>	<b>1475</b>	<b>1042</b>	<b>-1328</b>	<b>-2331</b>	<b>-1212</b>	<b>729</b>	<b>-120</b>	<b>-1554</b>	<b>5348</b>	<b>2720</b>	<b>601</b>

**Loads and Resources - Pacific Northwest Region**

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

**2017 White Book Report Date: 6/1/2017**

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regional Loads</b>														
206 <b>Retail Loads</b>	32361	32259	29184	29281	32908	35599	35169	33260	31200	29895	29715	29124	30920	32906
207 Federal Agency	161	161	154	170	208	233	234	216	195	168	168	157	160	169
208 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
209 Cooperative	3220	3220	3035	3051	3419	3786	3768	3577	3311	3246	3246	3204	3237	3403
210 Municipality	3358	3358	3210	3551	4020	4429	4431	4243	3888	3606	3606	3235	3195	3357
211 Public Utility District	6145	6145	5786	6331	7237	7959	7994	7502	7076	6626	6626	6041	5918	6199
212 Investor-Owned Utility	19128	19128	16695	16053	18257	19498	19132	18118	16825	15991	15991	16132	17839	19325
213 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
214 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
215 Federal Diversity	-687	-789	-657	-710	-911	-1100	-1116	-1123	-911	-623	-803	-612	-440	-597
216 <b>Exports</b>	1288	1288	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1175
217 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
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
219 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
221 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 <b>Total Regional Loads</b>	<b>33649</b>	<b>33546</b>	<b>30334</b>	<b>30432</b>	<b>34050</b>	<b>36742</b>	<b>36312</b>	<b>34403</b>	<b>32342</b>	<b>31037</b>	<b>30866</b>	<b>30274</b>	<b>32070</b>	<b>34081</b>
<b>Regional Resources</b>														
223 <b>Hydro Resources</b>	22434	20399	19571	19450	22543	22692	21337	20859	21119	19406	18574	24533	24025	22374
224 Regulated Hydro - Net	20378	18353	17647	17700	20922	21106	20009	19470	19413	17301	16443	22071	21487	20162
225 Independent Hydro - Net	1666	1658	1607	1516	1434	1412	1159	1209	1487	1767	1791	2000	2062	1751
226 Small Hydro - Net	390	388	317	234	186	174	169	181	219	337	340	461	477	461
227 <b>Other Resources</b>	14657	14658	14740	14862	15037	15120	15121	15081	14362	14885	13405	13420	14230	14656
228 Cogeneration Resources	2669	2669	2686	2730	2752	2766	2767	2763	2095	2665	2185	2418	2674	2665
229 Combustion Turbine Resources	6422	6422	6482	6556	6706	6775	6781	6735	6688	6644	5645	5758	5984	6425
230 Large Thermal Resources	5310	5310	5317	5318	5322	5320	5326	5324	5325	5320	5320	4986	5317	5312
231 Renewable Resources	175	175	175	176	176	176	164	176	174	174	174	175	174	174
232 Small Thermal & Miscellaneous	81.8	82.1	81.2	81.3	81.6	82.7	83.1	82.8	81.4	81.5	81.2	83.4	81.2	80.5
233 <b>Imports</b>	942	942	799	739	986	1093	1065	1098	800	705	705	748	1016	1097
234 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
235 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
236 Inland Southwest	796	796	653	592	584	669	610	610	587	558	558	601	870	951

**Loads and Resources - Pacific Northwest Region**

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

**2017 White Book** Report Date: 6/1/2017 *Continued*

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
237 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
238 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>239 Reserves &amp; Losses</b>	<b>-3746</b>	<b>-3620</b>	<b>-3490</b>	<b>-3498</b>	<b>-3809</b>	<b>-3907</b>	<b>-3811</b>	<b>-3727</b>	<b>-3624</b>	<b>-3509</b>	<b>-3363</b>	<b>-3715</b>	<b>-3802</b>	<b>-3776</b>
240 Contingency Reserves (Non-Spinning)	-979	-949	-891	-896	-994	-1039	-1014	-979	-939	-902	-867	-943	-979	-985
241 Contingency Reserves (Spinning)	-979	-949	-891	-896	-994	-1039	-1014	-979	-939	-902	-867	-943	-979	-985
242 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
243 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
244 Transmission Losses	-1199	-1133	-1106	-1104	-1216	-1224	-1179	-1165	-1142	-1101	-1026	-1224	-1241	-1202
<b>245 Total Regional Resources</b>	<b>34287</b>	<b>32379</b>	<b>31620</b>	<b>31553</b>	<b>34757</b>	<b>34998</b>	<b>33713</b>	<b>33311</b>	<b>32658</b>	<b>31486</b>	<b>29321</b>	<b>34985</b>	<b>35469</b>	<b>34352</b>
<b>246 Total Surplus/Deficit</b>	<b>638</b>	<b>-1167</b>	<b>1286</b>	<b>1121</b>	<b>706</b>	<b>-1744</b>	<b>-2599</b>	<b>-1092</b>	<b>315</b>	<b>449</b>	<b>-1545</b>	<b>4711</b>	<b>3399</b>	<b>271</b>

**Loads and Resources - Pacific Northwest Region**

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

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regional Loads</b>														
247 <b>Retail Loads</b>	32651	32565	29574	29552	33185	35842	35410	34011	31421	30094	29918	29325	31151	33115
248 Federal Agency	161	161	155	171	210	235	237	218	197	170	170	158	162	171
249 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
250 Cooperative	3294	3294	3107	3121	3491	3852	3831	3646	3369	3304	3304	3259	3290	3453
251 Municipality	3367	3367	3220	3560	4031	4442	4444	4254	3900	3617	3617	3245	3205	3367
252 Public Utility District	6192	6192	5831	6378	7288	8014	8045	7604	7121	6667	6667	6085	5962	6243
253 Investor-Owned Utility	19270	19270	16815	16161	18367	19609	19231	18582	16918	16082	16082	16229	17956	19455
254 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
255 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
256 Federal Diversity	-670	-756	-513	-675	-881	-1105	-1104	-1021	-900	-627	-803	-618	-433	-624
257 <b>Exports</b>	1288	1288	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1175
258 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
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
260 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
261 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
262 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
263 <b>Total Regional Loads</b>	<b>33938</b>	<b>33853</b>	<b>30725</b>	<b>30703</b>	<b>34328</b>	<b>36984</b>	<b>36553</b>	<b>35154</b>	<b>32564</b>	<b>31237</b>	<b>31069</b>	<b>30475</b>	<b>32301</b>	<b>34289</b>
<b>Regional Resources</b>														
264 <b>Hydro Resources</b>	22421	20380	19576	19458	22567	22738	21325	20919	21153	19432	18593	24542	24053	22391
265 Regulated Hydro - Net	20366	18334	17652	17708	20947	21152	19997	19530	19447	17328	16462	22081	21514	20179
266 Independent Hydro - Net	1666	1658	1607	1516	1434	1412	1159	1209	1487	1767	1791	2000	2062	1751
267 Small Hydro - Net	390	388	317	234	186	174	169	181	219	337	340	461	477	461
268 <b>Other Resources</b>	14657	14658	14740	14862	15037	15120	15121	15081	14362	13673	12665	13420	13095	14656
269 Cogeneration Resources	2669	2669	2686	2730	2752	2766	2767	2763	2095	2193	2185	2418	2674	2665
270 Combustion Turbine Resources	6422	6422	6482	6556	6706	6775	6781	6735	6688	6644	5645	5758	5984	6425
271 Large Thermal Resources	5310	5310	5317	5318	5322	5320	5326	5324	5325	4580	4580	4986	4182	5312
272 Renewable Resources	175	175	175	176	176	176	164	176	174	174	174	175	174	174
273 Small Thermal & Miscellaneous	81.8	82.1	81.2	81.3	81.6	82.7	83.1	82.8	81.4	81.5	81.2	83.4	81.2	80.5
274 <b>Imports</b>	950	950	803	742	990	1097	1068	1101	804	708	708	751	1025	1107
275 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
276 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
277 Inland Southwest	804	804	657	595	588	673	613	613	591	561	561	604	879	961



**Loads and Resources - Pacific Northwest Region**

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

**2017 White Book** Report Date: 6/1/2017 *Continued*

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
278 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
279 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>280 Reserves &amp; Losses</b>	<b>-3753</b>	<b>-3623</b>	<b>-3498</b>	<b>-3505</b>	<b>-3817</b>	<b>-3917</b>	<b>-3801</b>	<b>-3734</b>	<b>-3617</b>	<b>-3447</b>	<b>-3330</b>	<b>-3707</b>	<b>-3758</b>	<b>-3769</b>
281 Contingency Reserves (Non-Spinning)	-983	-951	-895	-899	-998	-1043	-1009	-982	-935	-890	-862	-939	-975	-981
282 Contingency Reserves (Spinning)	-983	-951	-895	-899	-998	-1043	-1009	-982	-935	-890	-862	-939	-975	-981
283 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
284 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
285 Transmission Losses	-1199	-1132	-1106	-1104	-1217	-1226	-1179	-1167	-1144	-1062	-1002	-1225	-1204	-1203
<b>286 Total Regional Resources</b>	<b>34275</b>	<b>32364</b>	<b>31621</b>	<b>31557</b>	<b>34776</b>	<b>35038</b>	<b>33713</b>	<b>33367</b>	<b>32702</b>	<b>30366</b>	<b>28636</b>	<b>35006</b>	<b>34415</b>	<b>34385</b>
287 <b>Total Surplus/Deficit</b>	<b>337</b>	<b>-1489</b>	<b>897</b>	<b>854</b>	<b>449</b>	<b>-1946</b>	<b>-2840</b>	<b>-1787</b>	<b>139</b>	<b>-870</b>	<b>-2433</b>	<b>4531</b>	<b>2114</b>	<b>95.6</b>

**Loads and Resources - Pacific Northwest Region**  
**Operating Year: 2026 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regional Loads</b>														
288 <b>Retail Loads</b>	32940	32834	29669	29723	33432	35945	35580	34174	31595	30256	30060	29516	31257	33294
289 Federal Agency	163	163	156	173	212	237	239	217	200	172	172	160	163	173
290 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
291 Cooperative	3341	3341	3150	3150	3512	3890	3857	3648	3383	3326	3326	3279	3313	3477
292 Municipality	3378	3378	3230	3571	4044	4456	4458	4269	3913	3628	3628	3256	3216	3379
293 Public Utility District	6234	6234	5870	6417	7330	8058	8091	7646	7161	6706	6706	6117	5992	6274
294 Investor-Owned Utility	19392	19392	16921	16258	18466	19709	19326	18675	17010	16169	16169	16323	18069	19580
295 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
296 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
297 Federal Diversity	-605	-710	-618	-682	-811	-1200	-1118	-1009	-889	-626	-822	-585	-505	-639
<b>Exports</b>														
298 <b>Exports</b>	1288	1288	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1175
299 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
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
301 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
302 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
303 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
304 <b>Total Regional Loads</b>	<b>34228</b>	<b>34122</b>	<b>30819</b>	<b>30873</b>	<b>34574</b>	<b>37087</b>	<b>36723</b>	<b>35316</b>	<b>32737</b>	<b>31399</b>	<b>31210</b>	<b>30667</b>	<b>32408</b>	<b>34469</b>
<b>Regional Resources</b>														
305 <b>Hydro Resources</b>	22440	20405	19576	19455	22547	22678	21322	20845	21103	19390	18558	24526	24009	22358
306 Regulated Hydro - Net	20384	18359	17652	17705	20927	21091	19994	19456	19397	17285	16427	22065	21471	20146
307 Independent Hydro - Net	1666	1658	1607	1516	1434	1412	1159	1209	1487	1767	1791	2000	2062	1751
308 Small Hydro - Net	390	388	317	234	186	174	169	181	219	337	340	461	477	461
309 <b>Other Resources</b>	14657	14658	14740	14862	15037	14450	14318	14277	13559	13563	12601	12951	13427	13853
310 Cogeneration Resources	2669	2669	2686	2730	2752	2766	2767	2763	2095	2665	2185	2418	2674	2665
311 Combustion Turbine Resources	6422	6422	6482	6556	6706	6775	6781	6735	6688	6644	5645	5758	5984	6425
312 Large Thermal Resources	5310	5310	5317	5318	5322	4650	4522	4520	4521	3998	4516	4517	4513	4508
313 Renewable Resources	175	175	175	176	176	176	164	176	174	174	174	175	174	174
314 Small Thermal & Miscellaneous	81.8	82.1	81.2	81.3	81.6	82.7	83.1	82.8	81.4	81.5	81.2	83.4	81.2	80.5
315 <b>Imports</b>	958	958	808	746	993	1100	1071	1104	808	712	712	755	1035	1117
316 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
317 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
318 Inland Southwest	812	812	662	599	591	676	616	616	595	565	565	608	889	971

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
319 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
320 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>321 Reserves &amp; Losses</b>	<b>-3747</b>	<b>-3620</b>	<b>-3489</b>	<b>-3495</b>	<b>-3806</b>	<b>-3862</b>	<b>-3753</b>	<b>-3681</b>	<b>-3566</b>	<b>-3433</b>	<b>-3305</b>	<b>-3678</b>	<b>-3746</b>	<b>-3720</b>
322 Contingency Reserves (Non-Spinning)	-979	-949	-890	-894	-993	-1028	-998	-969	-923	-886	-851	-933	-964	-970
323 Contingency Reserves (Spinning)	-979	-949	-890	-894	-993	-1028	-998	-969	-923	-886	-851	-933	-964	-970
324 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
325 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
326 Transmission Losses	-1200	-1133	-1107	-1104	-1216	-1202	-1153	-1139	-1116	-1058	-999	-1209	-1215	-1176
<b>327 Total Regional Resources</b>	<b>34308</b>	<b>32400</b>	<b>31636</b>	<b>31567</b>	<b>34771</b>	<b>34365</b>	<b>32958</b>	<b>32546</b>	<b>31905</b>	<b>30232</b>	<b>28567</b>	<b>34555</b>	<b>34725</b>	<b>33607</b>
<b>328 Total Surplus/Deficit</b>	<b>80.4</b>	<b>-1722</b>	<b>816</b>	<b>694</b>	<b>197</b>	<b>-2722</b>	<b>-3765</b>	<b>-2771</b>	<b>-832</b>	<b>-1167</b>	<b>-2643</b>	<b>3888</b>	<b>2317</b>	<b>-862</b>

**Loads and Resources - Pacific Northwest Region**

**Operating Year: 2027 Water Year: 1937**

**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regional Loads</b>														
329 <b>Retail Loads</b>	33133	33013	29811	29933	33609	36120	35820	34355	31701	30461	30219	29532	31431	33569
330 Federal Agency	164	164	157	173	213	238	240	222	200	172	172	160	164	173
331 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
332 Cooperative	3364	3364	3164	3164	3526	3908	3880	3696	3398	3347	3347	3293	3336	3501
333 Municipality	3391	3391	3241	3607	4112	4472	4478	4285	3929	3632	3632	3150	3212	3426
334 Public Utility District	6263	6263	5897	6511	7369	8089	8137	7693	7200	6781	6781	6119	6022	6341
335 Investor-Owned Utility	19515	19515	17023	16347	18558	19804	19431	18775	17109	16266	16266	16426	18190	19717
336 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
337 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
338 Federal Diversity	-601	-721	-632	-704	-848	-1185	-1072	-1042	-952	-620	-862	-583	-503	-640
339 <b>Exports</b>	1288	1288	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1175
340 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
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
342 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
343 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
344 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
345 <b>Total Regional Loads</b>	<b>34420</b>	<b>34301</b>	<b>30961</b>	<b>31084</b>	<b>34751</b>	<b>37263</b>	<b>36963</b>	<b>35498</b>	<b>32844</b>	<b>31603</b>	<b>31370</b>	<b>30682</b>	<b>32581</b>	<b>34743</b>
<b>Regional Resources</b>														
346 <b>Hydro Resources</b>	22405	20367	19559	19443	22550	22721	21309	20903	21136	19416	18577	24534	24035	22375
347 Regulated Hydro - Net	20349	18321	17635	17693	20929	21135	19981	19513	19430	17312	16446	22072	21497	20163
348 Independent Hydro - Net	1666	1658	1607	1516	1434	1412	1159	1209	1487	1767	1791	2000	2062	1751
349 Small Hydro - Net	390	388	317	234	186	174	169	181	219	337	340	461	477	461
350 <b>Other Resources</b>	13853	13854	13937	14061	14236	14316	14318	14277	13559	14081	12601	12951	12292	13853
351 Cogeneration Resources	2669	2669	2686	2730	2752	2766	2767	2763	2095	2665	2185	2418	2674	2665
352 Combustion Turbine Resources	6422	6422	6482	6559	6708	6775	6781	6735	6688	6644	5645	5758	5984	6425
353 Large Thermal Resources	4506	4506	4513	4514	4518	4516	4522	4520	4521	4516	4516	4517	3378	4508
354 Renewable Resources	175	175	175	176	176	176	164	176	174	174	174	175	174	174
355 Small Thermal & Miscellaneous	81.8	82.1	81.2	81.3	81.6	82.7	83.1	82.8	81.4	81.5	81.2	83.4	81.2	80.5
356 <b>Imports</b>	967	967	812	750	996	1104	1075	1107	811	716	716	759	1044	1127
357 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
358 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
359 Inland Southwest	821	821	666	603	594	680	620	619	598	569	569	612	898	981

**Loads and Resources - Pacific Northwest Region**

**Operating Year: 2027 Water Year: 1937**

**2017 White Book** Report Date: 6/1/2017 *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
360 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
361 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>362 Reserves &amp; Losses</b>	<b>-3698</b>	<b>-3571</b>	<b>-3440</b>	<b>-3448</b>	<b>-3759</b>	<b>-3857</b>	<b>-3758</b>	<b>-3690</b>	<b>-3572</b>	<b>-3458</b>	<b>-3311</b>	<b>-3679</b>	<b>-3714</b>	<b>-3730</b>
363 Contingency Reserves (Non-Spinning)	-968	-938	-879	-884	-983	-1027	-1001	-973	-926	-889	-854	-933	-966	-975
364 Contingency Reserves (Spinning)	-968	-938	-879	-884	-983	-1027	-1001	-973	-926	-889	-854	-933	-966	-975
365 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
366 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
367 Transmission Losses	-1173	-1106	-1080	-1078	-1190	-1199	-1152	-1140	-1117	-1076	-1000	-1209	-1177	-1176
<b>368 Total Regional Resources</b>	<b>33528</b>	<b>31617</b>	<b>30868</b>	<b>30805</b>	<b>34022</b>	<b>34284</b>	<b>32944</b>	<b>32596</b>	<b>31933</b>	<b>30756</b>	<b>28583</b>	<b>34565</b>	<b>33656</b>	<b>33625</b>
369 <b>Total Surplus/Deficit</b>	<b>-892</b>	<b>-2684</b>	<b>-93.2</b>	<b>-279</b>	<b>-729</b>	<b>-2979</b>	<b>-4019</b>	<b>-2901</b>	<b>-910</b>	<b>-847</b>	<b>-2787</b>	<b>3883</b>	<b>1075</b>	<b>-1118</b>

**Loads and Resources - Pacific Northwest Region**

**Operating Year: 2028 Water Year: 1937**

**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regional Loads</b>														
370 <b>Retail Loads</b>	33362	33240	29963	30121	33675	36286	35990	34120	31851	30640	30395	29624	31610	33831
371 Federal Agency	165	165	158	174	214	239	241	222	201	173	173	161	164	174
372 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
373 Cooperative	3388	3388	3178	3178	3541	3923	3899	3717	3412	3366	3366	3309	3355	3516
374 Municipality	3414	3414	3218	3617	4123	4483	4492	4299	3942	3644	3644	3162	3225	3439
375 Public Utility District	6333	6333	5959	6541	7399	8122	8169	7725	7228	6808	6808	6144	6047	6367
376 Investor-Owned Utility	19645	19645	17131	16441	18654	19905	19537	18514	17215	16366	16366	16536	18315	19856
377 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
378 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
379 Federal Diversity	-618	-740	-641	-665	-934	-1180	-1075	-1084	-964	-599	-844	-654	-506	-571
380 <b>Exports</b>	1288	1288	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1175
381 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
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
383 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
384 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
385 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
386 <b>Total Regional Loads</b>	<b>34650</b>	<b>34528</b>	<b>31114</b>	<b>31271</b>	<b>34817</b>	<b>37428</b>	<b>37133</b>	<b>35263</b>	<b>32993</b>	<b>31782</b>	<b>31545</b>	<b>30775</b>	<b>32761</b>	<b>35005</b>
<b>Regional Resources</b>														
387 <b>Hydro Resources</b>	22423	20388	19559	19439	22530	22680	21325	20849	21106	19393	18562	24528	24011	22361
388 Regulated Hydro - Net	20368	18343	17635	17689	20910	21094	19997	19459	19400	17289	16430	22066	21473	20149
389 Independent Hydro - Net	1666	1658	1607	1516	1434	1412	1159	1209	1487	1767	1791	2000	2062	1751
390 Small Hydro - Net	390	388	317	234	186	174	169	181	219	337	340	461	477	461
391 <b>Other Resources</b>	13853	13854	13937	14058	14233	14317	14319	14278	13560	12870	11863	12953	13428	13854
392 Cogeneration Resources	2669	2669	2686	2730	2752	2766	2767	2763	2095	2193	2185	2418	2674	2665
393 Combustion Turbine Resources	6422	6422	6482	6556	6706	6775	6781	6735	6688	6644	5645	5758	5984	6425
394 Large Thermal Resources	4506	4506	4513	4514	4518	4516	4522	4520	4521	3776	3776	4517	4513	4508
395 Renewable Resources	175	175	175	176	176	177	165	177	175	175	175	176	175	175
396 Small Thermal & Miscellaneous	81.8	82.1	81.2	81.3	81.6	82.7	83.1	82.8	81.4	81.5	81.2	83.4	81.2	80.5
397 <b>Imports</b>	975	975	816	754	999	1108	1078	1111	815	719	719	764	1053	1138
398 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
399 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400 Inland Southwest	829	829	670	607	597	684	623	623	602	572	572	617	907	992

**Loads and Resources - Pacific Northwest Region**

**Operating Year: 2028    Water Year: 1937**

**2017 White Book    Report Date: 6/1/2017    *Continued***

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
401 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
402 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>403 Reserves &amp; Losses</b>	<b>-3706</b>	<b>-3580</b>	<b>-3444</b>	<b>-3452</b>	<b>-3762</b>	<b>-3859</b>	<b>-3764</b>	<b>-3682</b>	<b>-3575</b>	<b>-3406</b>	<b>-3290</b>	<b>-3683</b>	<b>-3757</b>	<b>-3735</b>
404 Contingency Reserves (Non-Spinning)	-972	-942	-881	-886	-985	-1029	-1003	-969	-928	-884	-856	-935	-969	-977
405 Contingency Reserves (Spinning)	-972	-942	-881	-886	-985	-1029	-1003	-969	-928	-884	-856	-935	-969	-977
406 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
407 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
408 Transmission Losses	-1174	-1107	-1080	-1077	-1189	-1198	-1153	-1139	-1116	-1035	-974	-1209	-1215	-1176
<b>409 Total Regional Resources</b>	<b>33546</b>	<b>31638</b>	<b>30868</b>	<b>30799</b>	<b>34000</b>	<b>34246</b>	<b>32958</b>	<b>32556</b>	<b>31905</b>	<b>29576</b>	<b>27854</b>	<b>34560</b>	<b>34735</b>	<b>33618</b>
<b>410 Total Surplus/Deficit</b>	<b>-1104</b>	<b>-2889</b>	<b>-246</b>	<b>-472</b>	<b>-817</b>	<b>-3183</b>	<b>-4175</b>	<b>-2707</b>	<b>-1088</b>	<b>-2206</b>	<b>-3692</b>	<b>3786</b>	<b>1975</b>	<b>-1387</b>

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***Exhibit 14***  
***BPA Sales to Preference and Legacy Customers***

***Monthly 120-Hour Capacity***  
***Operating Year 2019 to 2028***  
***Using 1937-Water Conditions***

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**BPA Sales to Preference and Legacy Customers**

**Operating Year 2019 Water Year: 1937**

**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
<b>1 DSI Obligation</b>	<b>89.5</b>	<b>89.5</b>	<b>89.2</b>	<b>90.1</b>	<b>90.1</b>	<b>89.8</b>	<b>90.3</b>	<b>89.7</b>	<b>90.0</b>	<b>90.3</b>	<b>90.3</b>	<b>90.0</b>	<b>89.4</b>	<b>89.4</b>
2 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
<b>3 Load Following</b>	<b>4329</b>	<b>4329</b>	<b>4045</b>	<b>4308</b>	<b>5004</b>	<b>5634</b>	<b>5630</b>	<b>5319</b>	<b>4796</b>	<b>4562</b>	<b>4562</b>	<b>4205</b>	<b>4210</b>	<b>4478</b>
4 Cooperative	2559	2559	2344	2339	2704	3077	3050	2868	2571	2521	2521	2460	2502	2665
5 Municipality	761	761	695	723	856	954	970	916	806	740	740	669	704	776
6 Public Utility District	877	877	878	1097	1256	1391	1397	1340	1242	1152	1152	939	862	888
7 Federal Entities	132	132	128	150	188	212	213	196	177	148	148	137	141	149
<b>8 Slice Block</b>	<b>1338</b>	<b>1338</b>	<b>1288</b>	<b>1379</b>	<b>1601</b>	<b>1829</b>	<b>1821</b>	<b>1676</b>	<b>1550</b>	<b>1439</b>	<b>1439</b>	<b>1386</b>	<b>1355</b>	<b>1422</b>
9 Municipality	271	271	272	280	332	403	400	382	370	327	327	279	269	294
10 Public Utility District	1067	1067	1017	1098	1269	1426	1422	1295	1180	1112	1112	1107	1086	1127
<b>11 Slice Output from T1 System</b>	<b>2250</b>	<b>1764</b>	<b>1856</b>	<b>1773</b>	<b>2331</b>	<b>2301</b>	<b>1845</b>	<b>1927</b>	<b>2082</b>	<b>1693</b>	<b>1789</b>	<b>2714</b>	<b>2215</b>	<b>1765</b>
12 Municipality	525	412	433	414	544	537	431	450	486	395	417	633	517	412
13 Public Utility District	1725	1352	1423	1359	1787	1764	1414	1477	1596	1298	1371	2080	1698	1353
<b>14 Tier 1 Block</b>	<b>343</b>	<b>343</b>	<b>578</b>	<b>485</b>	<b>795</b>	<b>782</b>	<b>849</b>	<b>799</b>	<b>765</b>	<b>382</b>	<b>382</b>	<b>121</b>	<b>0</b>	<b>291</b>
15 Municipality	343	343	578	485	795	782	849	799	765	382	382	121	0	291
16 Public Utility District	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>17 USBR Obligation</b>	<b>611</b>	<b>611</b>	<b>534</b>	<b>409</b>	<b>252</b>	<b>369</b>	<b>300</b>	<b>301</b>	<b>390</b>	<b>455</b>	<b>455</b>	<b>541</b>	<b>584</b>	<b>624</b>
18 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>Total Power Sales Contracts</b>														
19 Cooperative	2559	2559	2344	2339	2704	3077	3050	2868	2571	2521	2521	2460	2502	2665
20 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
21 Federal Entities	132	132	128	150	188	212	213	196	177	148	148	137	141	149
22 Municipality	1900	1786	1978	1902	2527	2677	2649	2547	2427	1845	1867	1702	1490	1773
23 Public Utility District	3670	3297	3318	3554	4312	4581	4233	4111	4018	3562	3635	4126	3647	3369
24 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>25 Total Power Sales Contracts</b>	<b>8961</b>	<b>8474</b>	<b>8392</b>	<b>8444</b>	<b>10073</b>	<b>11005</b>	<b>10535</b>	<b>10113</b>	<b>9672</b>	<b>8621</b>	<b>8717</b>	<b>9056</b>	<b>8453</b>	<b>8670</b>

**BPA Sales to Preference and Legacy Customers**

**Operating Year 2016 Water Year: 1937**

.....2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
<b>1 DSI Obligation</b>	<b>89.5</b>	<b>89.5</b>	<b>89.2</b>	<b>90.1</b>	<b>90.1</b>	<b>89.8</b>	<b>90.3</b>	<b>89.7</b>	<b>90.0</b>	<b>90.3</b>	<b>90.3</b>	<b>90.0</b>	<b>89.4</b>	<b>89.4</b>
2 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
<b>3 Load Following</b>	<b>4357</b>	<b>4357</b>	<b>4071</b>	<b>4324</b>	<b>5029</b>	<b>5663</b>	<b>5718</b>	<b>5417</b>	<b>4889</b>	<b>4652</b>	<b>4652</b>	<b>4295</b>	<b>4294</b>	<b>4563</b>
4 Cooperative	2557	2557	2349	2354	2722	3097	3068	2893	2591	2539	2539	2479	2520	2682
5 Municipality	763	763	696	720	854	952	1029	978	870	805	805	733	766	837
6 Public Utility District	895	895	891	1095	1255	1391	1396	1339	1242	1152	1152	939	862	888
7 Federal Entities	141	141	136	156	198	223	225	206	186	155	155	143	147	156
<b>8 Slice Block</b>	<b>1388</b>	<b>1388</b>	<b>1338</b>	<b>1338</b>	<b>1552</b>	<b>1768</b>	<b>1758</b>	<b>1563</b>	<b>1498</b>	<b>1398</b>	<b>1398</b>	<b>1349</b>	<b>1326</b>	<b>1381</b>
9 Municipality	288	288	289	271	321	390	386	356	358	316	316	270	260	284
10 Public Utility District	1100	1100	1049	1067	1231	1378	1371	1207	1140	1082	1082	1079	1066	1097
<b>11 Slice Output from T1 System</b>	<b>2288</b>	<b>1809</b>	<b>1882</b>	<b>1709</b>	<b>2358</b>	<b>2353</b>	<b>1992</b>	<b>1995</b>	<b>2084</b>	<b>1737</b>	<b>1564</b>	<b>2696</b>	<b>2398</b>	<b>2018</b>
12 Municipality	534	422	439	405	559	558	472	473	494	412	371	639	569	478
13 Public Utility District	1754	1387	1443	1304	1799	1795	1519	1522	1590	1325	1193	2057	1829	1539
<b>14 Tier 1 Block</b>	<b>346</b>	<b>346</b>	<b>583</b>	<b>511</b>	<b>827</b>	<b>822</b>	<b>893</b>	<b>810</b>	<b>802</b>	<b>405</b>	<b>405</b>	<b>136</b>	<b>9.29</b>	<b>314</b>
15 Municipality	346	346	583	492	806	794	862	783	776	388	388	123	0	295
16 Public Utility District	0	0	0	18.2	21.0	28.2	31.0	27.3	25.4	17.4	17.4	13.0	9.29	18.9
<b>17 USBR Obligation</b>	<b>611</b>	<b>611</b>	<b>534</b>	<b>409</b>	<b>252</b>	<b>369</b>	<b>300</b>	<b>301</b>	<b>390</b>	<b>455</b>	<b>455</b>	<b>541</b>	<b>584</b>	<b>624</b>
18 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>Total Power Sales Contracts</b>														
19 Cooperative	2557	2557	2349	2354	2722	3097	3068	2893	2591	2539	2539	2479	2520	2682
20 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
21 Federal Entities	141	141	136	156	198	223	225	206	186	155	155	143	147	156
22 Municipality	1931	1819	2007	1888	2540	2694	2749	2591	2499	1921	1880	1766	1594	1896
23 Public Utility District	3750	3383	3383	3484	4306	4592	4318	4095	3997	3576	3445	4088	3767	3543
24 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>25 Total Power Sales Contracts</b>	<b>9078</b>	<b>8600</b>	<b>8498</b>	<b>8382</b>	<b>10108</b>	<b>11064</b>	<b>10750</b>	<b>10176</b>	<b>9753</b>	<b>8738</b>	<b>8565</b>	<b>9106</b>	<b>8701</b>	<b>8989</b>

**BPA Sales to Preference and Legacy Customers**

**Operating Year 20&% Water Year: 1937**

.....2017 White Book Report Date: 6/1/2017

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
<b>1 DSI Obligation</b>	<b>89.5</b>	<b>89.5</b>	<b>89.2</b>	<b>90.1</b>	<b>90.1</b>	<b>89.8</b>	<b>90.3</b>	<b>89.7</b>	<b>90.0</b>	<b>90.3</b>	<b>90.3</b>	<b>90.0</b>	<b>89.4</b>	<b>89.4</b>
2 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
<b>3 Load Following</b>	<b>4442</b>	<b>4442</b>	<b>4171</b>	<b>4419</b>	<b>5121</b>	<b>5755</b>	<b>5754</b>	<b>5448</b>	<b>4921</b>	<b>4681</b>	<b>4681</b>	<b>4329</b>	<b>4322</b>	<b>4591</b>
4 Cooperative	2569	2569	2373	2368	2733	3110	3086	2908	2608	2556	2556	2495	2529	2692
5 Municipality	831	831	768	786	921	1017	1034	982	874	809	809	737	769	841
6 Public Utility District	894	894	889	1107	1266	1403	1408	1350	1252	1160	1160	953	876	900
7 Federal Entities	148	148	142	157	200	224	226	208	187	156	156	144	148	157
<b>8 Slice Block</b>	<b>1352</b>	<b>1352</b>	<b>1301</b>	<b>1375</b>	<b>1594</b>	<b>1816</b>	<b>1806</b>	<b>1663</b>	<b>1539</b>	<b>1436</b>	<b>1436</b>	<b>1385</b>	<b>1361</b>	<b>1417</b>
9 Municipality	278	278	280	278	330	401	397	379	367	325	325	277	267	292
10 Public Utility District	1074	1074	1022	1096	1265	1415	1409	1284	1171	1111	1111	1108	1094	1125
<b>11 Slice Output from T1 System</b>	<b>2139</b>	<b>1749</b>	<b>1710</b>	<b>1716</b>	<b>2368</b>	<b>2344</b>	<b>2026</b>	<b>2008</b>	<b>2078</b>	<b>1735</b>	<b>1554</b>	<b>2715</b>	<b>2154</b>	<b>2050</b>
12 Municipality	507	415	406	407	562	556	480	476	493	411	368	644	511	486
13 Public Utility District	1632	1334	1305	1309	1807	1788	1545	1532	1585	1323	1185	2071	1643	1564
<b>14 Tier 1 Block</b>	<b>365</b>	<b>365</b>	<b>608</b>	<b>511</b>	<b>827</b>	<b>822</b>	<b>893</b>	<b>839</b>	<b>802</b>	<b>405</b>	<b>405</b>	<b>136</b>	<b>9.53</b>	<b>315</b>
15 Municipality	351	351	591	492	806	793	861	810	776	388	388	123	0	295
16 Public Utility District	14.4	14.4	16.4	18.7	21.6	28.9	31.8	29.0	26.0	17.8	17.8	13.4	9.53	19.4
<b>17 USBR Obligation</b>	<b>611</b>	<b>611</b>	<b>534</b>	<b>409</b>	<b>252</b>	<b>369</b>	<b>300</b>	<b>301</b>	<b>390</b>	<b>455</b>	<b>455</b>	<b>541</b>	<b>584</b>	<b>624</b>
18 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>Total Power Sales Contracts</b>														
19 Cooperative	2569	2569	2373	2368	2733	3110	3086	2908	2608	2556	2556	2495	2529	2692
20 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
21 Federal Entities	148	148	142	157	200	224	226	208	187	156	156	144	148	157
22 Municipality	1967	1875	2045	1964	2619	2767	2772	2648	2510	1932	1889	1781	1547	1915
23 Public Utility District	3614	3317	3232	3530	4359	4636	4394	4195	4034	3613	3475	4146	3622	3609
24 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>25 Total Power Sales Contracts</b>	<b>8999</b>	<b>8609</b>	<b>8414</b>	<b>8519</b>	<b>10253</b>	<b>11196</b>	<b>10868</b>	<b>10350</b>	<b>9819</b>	<b>8802</b>	<b>8621</b>	<b>9196</b>	<b>8520</b>	<b>9086</b>

**BPA Sales to Preference and Legacy Customers**

**Operating Year 20&& Water Year: 1937**

.....2017 White Book Report Date: 6/1/2017

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
<b>1 DSI Obligation</b>	<b>89.5</b>	<b>89.5</b>	<b>89.2</b>	<b>90.1</b>	<b>90.1</b>	<b>89.8</b>	<b>90.3</b>	<b>89.7</b>	<b>90.0</b>	<b>90.3</b>	<b>90.3</b>	<b>90.0</b>	<b>89.4</b>	<b>89.4</b>
2 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
<b>3 Load Following</b>	<b>4469</b>	<b>4469</b>	<b>4204</b>	<b>4442</b>	<b>5146</b>	<b>5781</b>	<b>5780</b>	<b>5438</b>	<b>4947</b>	<b>4695</b>	<b>4695</b>	<b>4350</b>	<b>4335</b>	<b>4602</b>
4 Cooperative	2579	2579	2390	2377	2743	3119	3096	2888	2617	2552	2552	2501	2527	2689
5 Municipality	835	835	772	789	924	1021	1037	984	877	811	811	739	772	844
6 Public Utility District	906	906	900	1118	1278	1416	1420	1362	1265	1176	1176	966	888	912
7 Federal Entities	149	149	142	158	200	225	227	205	188	156	156	145	148	157
<b>8 Slice Block</b>	<b>1388</b>	<b>1388</b>	<b>1336</b>	<b>1343</b>	<b>1558</b>	<b>1774</b>	<b>1764</b>	<b>1625</b>	<b>1503</b>	<b>1403</b>	<b>1403</b>	<b>1354</b>	<b>1330</b>	<b>1385</b>
9 Municipality	286	286	287	271	321	390	386	369	357	316	316	270	260	284
10 Public Utility District	1102	1102	1049	1072	1237	1385	1378	1256	1146	1087	1087	1084	1070	1101
<b>11 Slice Output from T1 System</b>	<b>2158</b>	<b>1746</b>	<b>1705</b>	<b>1714</b>	<b>2348</b>	<b>2346</b>	<b>2033</b>	<b>2012</b>	<b>2074</b>	<b>1732</b>	<b>1552</b>	<b>2706</b>	<b>2403</b>	<b>2073</b>
12 Municipality	512	414	404	407	557	556	482	477	492	411	368	642	570	492
13 Public Utility District	1646	1332	1301	1308	1791	1790	1551	1535	1582	1321	1184	2064	1833	1581
<b>14 Tier 1 Block</b>	<b>365</b>	<b>365</b>	<b>608</b>	<b>510</b>	<b>827</b>	<b>821</b>	<b>892</b>	<b>838</b>	<b>801</b>	<b>405</b>	<b>405</b>	<b>136</b>	<b>9.26</b>	<b>314</b>
15 Municipality	351	351	591	492	806	793	861	810	776	388	388	123	0	295
16 Public Utility District	14.8	14.8	16.8	18.2	20.9	28.1	30.9	28.2	25.3	17.3	17.3	13.0	9.26	18.9
<b>17 USBR Obligation</b>	<b>611</b>	<b>611</b>	<b>534</b>	<b>409</b>	<b>252</b>	<b>369</b>	<b>300</b>	<b>301</b>	<b>390</b>	<b>455</b>	<b>455</b>	<b>541</b>	<b>584</b>	<b>624</b>
18 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>Total Power Sales Contracts</b>														
19 Cooperative	2579	2579	2390	2377	2743	3119	3096	2888	2617	2552	2552	2501	2527	2689
20 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
21 Federal Entities	149	149	142	158	200	225	227	205	188	156	156	145	148	157
22 Municipality	1983	1885	2054	1958	2608	2760	2766	2640	2502	1925	1883	1773	1601	1915
23 Public Utility District	3669	3355	3266	3516	4327	4618	4380	4181	4018	3602	3464	4127	3800	3613
24 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>25 Total Power Sales Contracts</b>	<b>9080</b>	<b>8668</b>	<b>8477</b>	<b>8509</b>	<b>10220</b>	<b>11181</b>	<b>10859</b>	<b>10304</b>	<b>9804</b>	<b>8781</b>	<b>8600</b>	<b>9176</b>	<b>8750</b>	<b>9087</b>

**BPA Sales to Preference and Legacy Customers**

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
<b>1 DSI Obligation</b>	<b>89.5</b>	<b>89.5</b>	<b>89.2</b>	<b>90.1</b>	<b>90.1</b>	<b>89.8</b>	<b>90.3</b>	<b>89.7</b>	<b>90.0</b>	<b>90.3</b>	<b>90.3</b>	<b>90.0</b>	<b>89.4</b>	<b>89.4</b>
2 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
<b>3 Load Following</b>	<b>4480</b>	<b>4480</b>	<b>4223</b>	<b>4465</b>	<b>5169</b>	<b>5798</b>	<b>5794</b>	<b>5483</b>	<b>4969</b>	<b>4708</b>	<b>4708</b>	<b>4367</b>	<b>4349</b>	<b>4617</b>
4 Cooperative	2576	2576	2395	2388	2754	3122	3095	2912	2625	2550	2550	2502	2526	2689
5 Municipality	838	838	774	792	927	1025	1042	990	881	814	814	742	775	848
6 Public Utility District	917	917	911	1129	1289	1428	1431	1374	1276	1188	1188	978	900	924
7 Federal Entities	149	149	143	157	199	224	225	207	187	156	156	144	148	157
<b>8 Slice Block</b>	<b>1356</b>	<b>1356</b>	<b>1305</b>	<b>1380</b>	<b>1601</b>	<b>1823</b>	<b>1813</b>	<b>1669</b>	<b>1544</b>	<b>1441</b>	<b>1441</b>	<b>1390</b>	<b>1366</b>	<b>1422</b>
9 Municipality	278	278	280	278	329	400	396	378	366	324	324	276	266	292
10 Public Utility District	1078	1078	1026	1102	1272	1424	1417	1291	1178	1117	1117	1114	1100	1131
<b>11 Slice Output from T1 System</b>	<b>2154</b>	<b>1742</b>	<b>1705</b>	<b>1716</b>	<b>2353</b>	<b>2356</b>	<b>2031</b>	<b>2025</b>	<b>2081</b>	<b>1738</b>	<b>1556</b>	<b>2709</b>	<b>2163</b>	<b>2077</b>
12 Municipality	511	413	404	407	558	559	482	480	494	412	369	642	513	492
13 Public Utility District	1643	1329	1300	1309	1795	1797	1549	1545	1588	1326	1187	2066	1650	1584
<b>14 Tier 1 Block</b>	<b>365</b>	<b>365</b>	<b>607</b>	<b>511</b>	<b>827</b>	<b>822</b>	<b>893</b>	<b>839</b>	<b>802</b>	<b>405</b>	<b>405</b>	<b>136</b>	<b>9.53</b>	<b>315</b>
15 Municipality	350	350	591	492	806	793	861	810	776	388	388	123	0	295
16 Public Utility District	14.4	14.4	16.3	18.7	21.5	28.9	31.8	29.0	26.0	17.8	17.8	13.4	9.53	19.4
<b>17 USBR Obligation</b>	<b>611</b>	<b>611</b>	<b>534</b>	<b>409</b>	<b>252</b>	<b>369</b>	<b>300</b>	<b>301</b>	<b>390</b>	<b>455</b>	<b>455</b>	<b>541</b>	<b>584</b>	<b>624</b>
18 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>Total Power Sales Contracts</b>														
19 Cooperative	2576	2576	2395	2388	2754	3122	3095	2912	2625	2550	2550	2502	2526	2689
20 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
21 Federal Entities	149	149	143	157	199	224	225	207	187	156	156	144	148	157
22 Municipality	1977	1879	2049	1968	2620	2776	2780	2659	2517	1938	1895	1784	1554	1927
23 Public Utility District	3653	3339	3253	3559	4378	4678	4430	4239	4068	3649	3510	4172	3659	3658
24 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>25 Total Power Sales Contracts</b>	<b>9056</b>	<b>8644</b>	<b>8463</b>	<b>8572</b>	<b>10292</b>	<b>11258</b>	<b>10920</b>	<b>10408</b>	<b>9876</b>	<b>8838</b>	<b>8656</b>	<b>9233</b>	<b>8561</b>	<b>9144</b>

**BPA Sales to Preference and Legacy Customers**

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S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
<b>1 DSI Obligation</b>	<b>89.5</b>	<b>89.5</b>	<b>89.2</b>	<b>90.1</b>	<b>90.1</b>	<b>89.8</b>	<b>90.3</b>	<b>89.7</b>	<b>90.0</b>	<b>90.3</b>	<b>90.3</b>	<b>90.0</b>	<b>89.4</b>	<b>89.4</b>
2 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
<b>3 Load Following</b>	<b>4494</b>	<b>4494</b>	<b>4235</b>	<b>4488</b>	<b>5194</b>	<b>5816</b>	<b>5809</b>	<b>5487</b>	<b>4985</b>	<b>4720</b>	<b>4720</b>	<b>4380</b>	<b>4363</b>	<b>4632</b>
4 Cooperative	2575	2575	2393	2397	2763	3124	3095	2901	2627	2548	2548	2501	2526	2690
5 Municipality	842	842	777	794	931	1028	1044	993	883	816	816	743	776	850
6 Public Utility District	928	928	922	1140	1301	1440	1443	1386	1288	1200	1200	991	912	936
7 Federal Entities	149	149	142	158	200	224	226	208	187	156	156	145	148	157
<b>8 Slice Block</b>	<b>1393</b>	<b>1393</b>	<b>1341</b>	<b>1353</b>	<b>1569</b>	<b>1787</b>	<b>1777</b>	<b>1579</b>	<b>1513</b>	<b>1412</b>	<b>1412</b>	<b>1363</b>	<b>1339</b>	<b>1394</b>
9 Municipality	285	285	287	271	320	389	386	356	357	316	316	269	260	284
10 Public Utility District	1108	1108	1054	1082	1248	1397	1391	1223	1156	1096	1096	1093	1079	1110
<b>11 Slice Output from T1 System</b>	<b>2159</b>	<b>1747</b>	<b>1705</b>	<b>1716</b>	<b>2349</b>	<b>2347</b>	<b>2035</b>	<b>2014</b>	<b>2075</b>	<b>1736</b>	<b>1556</b>	<b>2706</b>	<b>2405</b>	<b>2074</b>
12 Municipality	512	414	404	407	557	557	483	478	492	412	369	642	570	492
13 Public Utility District	1647	1333	1301	1309	1792	1791	1552	1536	1583	1324	1187	2064	1834	1582
<b>14 Tier 1 Block</b>	<b>365</b>	<b>365</b>	<b>608</b>	<b>511</b>	<b>829</b>	<b>823</b>	<b>894</b>	<b>811</b>	<b>803</b>	<b>406</b>	<b>406</b>	<b>136</b>	<b>9.29</b>	<b>315</b>
15 Municipality	350	350	591	493	808	795	863	784	778	389	389	123	0	296
16 Public Utility District	14.8	14.8	16.8	18.2	21.0	28.2	31.0	27.3	25.3	17.4	17.4	13.0	9.29	18.9
<b>17 USBR Obligation</b>	<b>611</b>	<b>611</b>	<b>534</b>	<b>409</b>	<b>252</b>	<b>369</b>	<b>300</b>	<b>301</b>	<b>390</b>	<b>455</b>	<b>455</b>	<b>541</b>	<b>584</b>	<b>624</b>
18 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>Total Power Sales Contracts</b>														
19 Cooperative	2575	2575	2393	2397	2763	3124	3095	2901	2627	2548	2548	2501	2526	2690
20 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
21 Federal Entities	149	149	142	158	200	224	226	208	187	156	156	145	148	157
22 Municipality	1989	1892	2059	1965	2616	2770	2776	2610	2510	1931	1889	1778	1606	1922
23 Public Utility District	3697	3384	3293	3549	4362	4656	4417	4172	4053	3638	3500	4161	3835	3647
24 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>25 Total Power Sales Contracts</b>	<b>9110</b>	<b>8699</b>	<b>8512</b>	<b>8568</b>	<b>10282</b>	<b>11232</b>	<b>10904</b>	<b>10282</b>	<b>9856</b>	<b>8819</b>	<b>8638</b>	<b>9215</b>	<b>8789</b>	<b>9128</b>

**BPA Sales to Preference and Legacy Customers**

**Operating Year 20& Water Year: 1937**

.....2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
<b>1 DSI Obligation</b>	<b>89.5</b>	<b>89.5</b>	<b>89.2</b>	<b>90.1</b>	<b>90.1</b>	<b>89.8</b>	<b>90.3</b>	<b>89.7</b>	<b>90.0</b>	<b>90.3</b>	<b>90.3</b>	<b>90.0</b>	<b>89.4</b>	<b>89.4</b>
2 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
<b>3 Load Following</b>	<b>4506</b>	<b>4506</b>	<b>4246</b>	<b>4501</b>	<b>5213</b>	<b>5836</b>	<b>5830</b>	<b>5523</b>	<b>5011</b>	<b>4747</b>	<b>4747</b>	<b>4414</b>	<b>4406</b>	<b>4674</b>
4 Cooperative	2574	2574	2392	2393	2764	3125	3098	2918	2636	2561	2561	2518	2551	2715
5 Municipality	843	843	779	797	934	1032	1049	996	886	819	819	746	780	853
6 Public Utility District	939	939	933	1152	1313	1452	1455	1398	1299	1209	1209	1005	926	947
7 Federal Entities	149	149	143	159	202	227	229	210	189	158	158	146	150	159
<b>8 Slice Block</b>	<b>1365</b>	<b>1365</b>	<b>1314</b>	<b>1386</b>	<b>1608</b>	<b>1832</b>	<b>1821</b>	<b>1677</b>	<b>1552</b>	<b>1448</b>	<b>1448</b>	<b>1396</b>	<b>1371</b>	<b>1428</b>
9 Municipality	278	278	280	281	333	404	400	382	371	328	328	280	269	295
10 Public Utility District	1087	1087	1034	1105	1275	1428	1421	1295	1181	1120	1120	1117	1102	1133
<b>11 Slice Output from T1 System</b>	<b>2156</b>	<b>1743</b>	<b>1706</b>	<b>1718</b>	<b>2354</b>	<b>2357</b>	<b>2032</b>	<b>2027</b>	<b>2083</b>	<b>1742</b>	<b>1560</b>	<b>2708</b>	<b>2164</b>	<b>2078</b>
12 Municipality	511	413	405	407	558	559	482	481	494	413	370	642	513	493
13 Public Utility District	1645	1330	1301	1310	1796	1798	1550	1546	1589	1329	1190	2066	1651	1585
<b>14 Tier 1 Block</b>	<b>366</b>	<b>366</b>	<b>609</b>	<b>510</b>	<b>827</b>	<b>822</b>	<b>892</b>	<b>839</b>	<b>802</b>	<b>405</b>	<b>405</b>	<b>136</b>	<b>9.53</b>	<b>314</b>
15 Municipality	351	351	592	492	806	793	861	810	776	387	387	123	0	295
16 Public Utility District	14.4	14.4	16.4	18.7	21.5	28.9	31.8	29.0	26.0	17.8	17.8	13.4	9.53	19.4
<b>17 USBR Obligation</b>	<b>611</b>	<b>611</b>	<b>534</b>	<b>409</b>	<b>252</b>	<b>369</b>	<b>300</b>	<b>301</b>	<b>390</b>	<b>455</b>	<b>455</b>	<b>541</b>	<b>584</b>	<b>624</b>
18 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>Total Power Sales Contracts</b>														
19 Cooperative	2574	2574	2392	2393	2764	3125	3098	2918	2636	2561	2561	2518	2551	2715
20 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
21 Federal Entities	149	149	143	159	202	227	229	210	189	158	158	146	150	159
22 Municipality	1984	1886	2055	1978	2631	2789	2791	2669	2526	1947	1903	1791	1562	1936
23 Public Utility District	3686	3371	3285	3586	4406	4707	4459	4268	4095	3675	3537	4200	3688	3685
24 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>25 Total Power Sales Contracts</b>	<b>9093</b>	<b>8680</b>	<b>8498</b>	<b>8614</b>	<b>10344</b>	<b>11305</b>	<b>10967</b>	<b>10456</b>	<b>9926</b>	<b>8887</b>	<b>8705</b>	<b>9285</b>	<b>8624</b>	<b>9208</b>



**BPA Sales to Preference and Legacy Customers**

**Operating Year 20&\* Water Year: 1937**

.....2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
<b>1 DSI Obligation</b>	<b>89.5</b>	<b>89.5</b>	<b>89.2</b>	<b>90.1</b>	<b>90.1</b>	<b>89.8</b>	<b>90.3</b>	<b>89.7</b>	<b>90.0</b>	<b>90.3</b>	<b>90.3</b>	<b>90.0</b>	<b>89.4</b>	<b>89.4</b>
2 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
<b>3 Load Following</b>	<b>4546</b>	<b>4546</b>	<b>4285</b>	<b>4530</b>	<b>5236</b>	<b>5878</b>	<b>5860</b>	<b>5520</b>	<b>5030</b>	<b>4773</b>	<b>4773</b>	<b>4433</b>	<b>4426</b>	<b>4696</b>
4 Cooperative	2599	2599	2417	2411	2776	3155	3118	2914	2648	2580	2580	2534	2570	2735
5 Municipality	847	847	782	801	938	1037	1053	998	890	822	822	749	783	857
6 Public Utility District	949	949	941	1157	1318	1456	1458	1399	1301	1212	1212	1002	922	944
7 Federal Entities	151	151	144	161	204	229	231	209	191	160	160	147	151	161
<b>8 Slice Block</b>	<b>1399</b>	<b>1399</b>	<b>1346</b>	<b>1357</b>	<b>1574</b>	<b>1794</b>	<b>1783</b>	<b>1642</b>	<b>1519</b>	<b>1417</b>	<b>1417</b>	<b>1367</b>	<b>1342</b>	<b>1398</b>
9 Municipality	288	288	290	276	327	397	393	376	364	322	322	275	265	289
10 Public Utility District	1110	1110	1056	1081	1247	1397	1390	1266	1155	1095	1095	1093	1078	1108
<b>11 Slice Output from T1 System</b>	<b>2160</b>	<b>1749</b>	<b>1706</b>	<b>1717</b>	<b>2350</b>	<b>2344</b>	<b>2032</b>	<b>2011</b>	<b>2072</b>	<b>1733</b>	<b>1552</b>	<b>2704</b>	<b>2401</b>	<b>2071</b>
12 Municipality	512	415	405	407	557	556	482	477	491	411	368	641	569	491
13 Public Utility District	1648	1334	1302	1310	1793	1788	1550	1534	1580	1322	1184	2063	1832	1580
<b>14 Tier 1 Block</b>	<b>365</b>	<b>365</b>	<b>608</b>	<b>510</b>	<b>827</b>	<b>821</b>	<b>892</b>	<b>838</b>	<b>801</b>	<b>405</b>	<b>405</b>	<b>136</b>	<b>9.26</b>	<b>314</b>
15 Municipality	350	350	591	492	806	793	861	810	776	388	388	123	0	295
16 Public Utility District	14.8	14.8	16.8	18.2	20.9	28.1	30.9	28.2	25.3	17.3	17.3	13.0	9.26	18.9
<b>17 USBR Obligation</b>	<b>611</b>	<b>611</b>	<b>534</b>	<b>409</b>	<b>252</b>	<b>369</b>	<b>300</b>	<b>301</b>	<b>390</b>	<b>455</b>	<b>455</b>	<b>541</b>	<b>584</b>	<b>624</b>
18 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>Total Power Sales Contracts</b>														
19 Cooperative	2599	2599	2417	2411	2776	3155	3118	2914	2648	2580	2580	2534	2570	2735
20 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
21 Federal Entities	151	151	144	161	204	229	231	209	191	160	160	147	151	161
22 Municipality	1998	1900	2067	1976	2628	2783	2789	2661	2521	1942	1899	1788	1617	1932
23 Public Utility District	3722	3408	3316	3566	4379	4669	4429	4227	4062	3646	3508	4171	3841	3651
24 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>25 Total Power Sales Contracts</b>	<b>9170</b>	<b>8758</b>	<b>8568</b>	<b>8613</b>	<b>10328</b>	<b>11295</b>	<b>10957</b>	<b>10402</b>	<b>9901</b>	<b>8872</b>	<b>8692</b>	<b>9271</b>	<b>8853</b>	<b>9192</b>

**BPA Sales to Preference and Legacy Customers**

**Operating Year 20&+ Water Year: 1937**

.....2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
<b>1 DSI Obligation</b>	<b>89.5</b>	<b>89.5</b>	<b>89.2</b>	<b>90.1</b>	<b>90.1</b>	<b>89.8</b>	<b>90.3</b>	<b>89.7</b>	<b>90.0</b>	<b>90.3</b>	<b>90.3</b>	<b>90.0</b>	<b>89.4</b>	<b>89.4</b>
2 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
<b>3 Load Following</b>	<b>4567</b>	<b>4567</b>	<b>4296</b>	<b>4541</b>	<b>5248</b>	<b>5895</b>	<b>5883</b>	<b>5574</b>	<b>5042</b>	<b>4792</b>	<b>4792</b>	<b>4444</b>	<b>4447</b>	<b>4718</b>
4 Cooperative	2619	2619	2428	2421	2787	3170	3138	2958	2658	2598	2598	2545	2590	2755
5 Municipality	851	851	785	804	942	1041	1057	1005	894	825	825	752	786	861
6 Public Utility District	946	946	937	1154	1315	1454	1456	1397	1298	1209	1209	999	919	941
7 Federal Entities	152	152	146	161	205	230	232	213	192	160	160	148	152	161
<b>8 Slice Block</b>	<b>1369</b>	<b>1369</b>	<b>1318</b>	<b>1392</b>	<b>1616</b>	<b>1842</b>	<b>1831</b>	<b>1686</b>	<b>1560</b>	<b>1455</b>	<b>1455</b>	<b>1404</b>	<b>1378</b>	<b>1435</b>
9 Municipality	283	283	285	285	337	410	406	388	376	332	332	284	273	299
10 Public Utility District	1086	1086	1033	1108	1279	1432	1425	1298	1184	1123	1123	1120	1105	1136
<b>11 Slice Output from T1 System</b>	<b>2152</b>	<b>1740</b>	<b>1702</b>	<b>1715</b>	<b>2351</b>	<b>2354</b>	<b>2029</b>	<b>2023</b>	<b>2079</b>	<b>1738</b>	<b>1556</b>	<b>2706</b>	<b>2161</b>	<b>2074</b>
12 Municipality	510	413	404	407	557	558	481	480	493	412	369	642	512	492
13 Public Utility District	1642	1328	1299	1308	1793	1796	1548	1543	1586	1326	1187	2064	1648	1582
<b>14 Tier 1 Block</b>	<b>365</b>	<b>365</b>	<b>607</b>	<b>511</b>	<b>827</b>	<b>822</b>	<b>893</b>	<b>839</b>	<b>802</b>	<b>405</b>	<b>405</b>	<b>136</b>	<b>9.53</b>	<b>315</b>
15 Municipality	350	350	591	492	806	793	861	810	776	388	388	123	0	295
16 Public Utility District	14.4	14.4	16.3	18.7	21.5	28.9	31.8	29.0	26.0	17.8	17.8	13.4	9.53	19.4
<b>17 USBR Obligation</b>	<b>611</b>	<b>611</b>	<b>534</b>	<b>409</b>	<b>252</b>	<b>369</b>	<b>300</b>	<b>301</b>	<b>390</b>	<b>455</b>	<b>455</b>	<b>541</b>	<b>584</b>	<b>624</b>
18 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>Total Power Sales Contracts</b>														
19 Cooperative	2619	2619	2428	2421	2787	3170	3138	2958	2658	2598	2598	2545	2590	2755
20 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
21 Federal Entities	152	152	146	161	205	230	232	213	192	160	160	148	152	161
22 Municipality	1995	1897	2064	1987	2643	2802	2805	2683	2538	1957	1914	1801	1572	1946
23 Public Utility District	3688	3374	3285	3588	4408	4710	4460	4268	4094	3676	3537	4197	3681	3678
24 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>25 Total Power Sales Contracts</b>	<b>9153</b>	<b>8741</b>	<b>8547</b>	<b>8658</b>	<b>10384</b>	<b>11371</b>	<b>11025</b>	<b>10513</b>	<b>9963</b>	<b>8936</b>	<b>8754</b>	<b>9321</b>	<b>8668</b>	<b>9254</b>

**BPA Sales to Preference and Legacy Customers**

**Operating Year 20&, Water Year: 1937**

.....2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
<b>1 DSI Obligation</b>	<b>89.5</b>	<b>89.5</b>	<b>89.2</b>	<b>90.1</b>	<b>90.1</b>	<b>89.8</b>	<b>90.3</b>	<b>89.7</b>	<b>90.0</b>	<b>90.3</b>	<b>90.3</b>	<b>90.0</b>	<b>89.4</b>	<b>89.4</b>
2 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
<b>3 Load Following</b>	<b>4587</b>	<b>4587</b>	<b>4306</b>	<b>4551</b>	<b>5260</b>	<b>5907</b>	<b>5901</b>	<b>5593</b>	<b>5054</b>	<b>4806</b>	<b>4806</b>	<b>4454</b>	<b>4460</b>	<b>4727</b>
4 Cooperative	2638	2638	2439	2432	2798	3182	3154	2976	2670	2614	2614	2557	2605	2767
5 Municipality	854	854	789	808	946	1046	1065	1012	900	831	831	758	792	867
6 Public Utility District	941	941	932	1149	1310	1448	1450	1390	1291	1201	1201	990	910	931
7 Federal Entities	153	153	146	162	206	231	233	214	193	161	161	149	152	162
<b>8 Slice Block</b>	<b>1405</b>	<b>1405</b>	<b>1353</b>	<b>1366</b>	<b>1585</b>	<b>1807</b>	<b>1796</b>	<b>1597</b>	<b>1530</b>	<b>1427</b>	<b>1427</b>	<b>1377</b>	<b>1351</b>	<b>1407</b>
9 Municipality	292	292	294	280	332	403	399	368	369	327	327	279	269	294
10 Public Utility District	1113	1113	1059	1086	1254	1404	1397	1229	1161	1101	1101	1098	1083	1113
<b>11 Slice Output from T1 System</b>	<b>2156</b>	<b>1745</b>	<b>1702</b>	<b>1714</b>	<b>2346</b>	<b>2345</b>	<b>2032</b>	<b>2011</b>	<b>2072</b>	<b>1733</b>	<b>1553</b>	<b>2705</b>	<b>2402</b>	<b>2071</b>
12 Municipality	511	414	404	406	556	556	482	477	491	411	368	641	570	491
13 Public Utility District	1645	1331	1299	1307	1790	1789	1550	1534	1581	1322	1185	2063	1832	1580
<b>14 Tier 1 Block</b>	<b>365</b>	<b>365</b>	<b>608</b>	<b>511</b>	<b>829</b>	<b>823</b>	<b>894</b>	<b>811</b>	<b>803</b>	<b>406</b>	<b>406</b>	<b>136</b>	<b>9.28</b>	<b>315</b>
15 Municipality	350	350	591	493	808	795	863	784	778	389	389	123	0	296
16 Public Utility District	14.8	14.8	16.8	18.2	21.0	28.2	31.0	27.3	25.3	17.4	17.4	13.0	9.28	18.9
<b>17 USBR Obligation</b>	<b>611</b>	<b>611</b>	<b>534</b>	<b>409</b>	<b>252</b>	<b>369</b>	<b>300</b>	<b>301</b>	<b>390</b>	<b>455</b>	<b>455</b>	<b>541</b>	<b>584</b>	<b>624</b>
18 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>Total Power Sales Contracts</b>														
19 Cooperative	2638	2638	2439	2432	2798	3182	3154	2976	2670	2614	2614	2557	2605	2767
20 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
21 Federal Entities	153	153	146	162	206	231	233	214	193	161	161	149	152	162
22 Municipality	2008	1911	2077	1987	2642	2800	2809	2641	2539	1957	1914	1802	1631	1948
23 Public Utility District	3714	3400	3307	3561	4374	4669	4428	4181	4058	3641	3503	4164	3834	3644
24 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>25 Total Power Sales Contracts</b>	<b>9214</b>	<b>8803</b>	<b>8592</b>	<b>8641</b>	<b>10362</b>	<b>11341</b>	<b>11014</b>	<b>10404</b>	<b>9939</b>	<b>8918</b>	<b>8738</b>	<b>9302</b>	<b>8895</b>	<b>9233</b>

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***Exhibit 15  
Regional Regulated Hydro***

***Monthly 120-Hour Capacity  
Operating Year 2019 to 2028  
Using 1937-Water Conditions***

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**Regional: Regulated Hydro**  
**Operating Year 2019 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regulated Hydro</b>														
1 Albeni Falls Hydroelectric	40.1	40.1	35.2	40.1	22.4	21.6	22.4	22.0	22.0	28.5	33.7	28.1	31.2	16.8
2 Alder Hydroelectric	37.1	30.5	0	0	0	4.45	45.0	36.9	37.0	36.3	41.1	46.8	49.5	43.6
3 Bonneville	944	944	961	933	949	901	943	997	992	922	922	891	922	922
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	914	676
5 Box Canyon Dam	76.9	77.0	76.4	74.5	74.4	75.7	76.3	76.0	76.0	98.7	97.0	89.7	85.4	83.7
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	65.3	65.3	65.8	66.0	65.8	65.2	64.5	64.3	64.1	3.00	3.00	66.0	67.1
9 Chief Joseph	2410	2410	2198	2335	2402	2370	2401	2396	2189	2447	2447	2501	2491	2395
10 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	19.8	22.5	26.0	29.0	33.1	33.6	26.4
11 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	4.94	3.63	1.98	1.98	1.32	88.0	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	156	117	200	199	164	196	195	198	200	442	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	4489	4403	4278	4057	4284	4219	4191	4277	4190	4121	3848	3623	3923	4639
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	293	292	290	256	233	309	344	268	185	159	119	181	192	262
19 Ice Harbor	415	416	570	502	524	576	583	585	523	542	529	578	577	459
20 John Day	2249	2249	2057	2016	2266	2360	2342	2321	2342	2315	2315	2205	2330	2342
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	63.7	64.0	64.0	64.0	64.0	63.3	63.8	63.3	63.3	63.8	63.5	63.3	63.3
23 Libby	246	245	513	593	589	583	487	559	495	574	574	574	553	442
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	782	782	923	821	872	850	926	907	915	918	912	904	885	784
26 Long Lake	72.0	72.0	72.2	72.4	72.4	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	64.2	57.3	0	0	0	0	63.6	49.7	49.7	-35.4	-37.5	61.1	69.4	71.4
28 Lower Granite	497	570	621	651	628	693	703	704	773	814	911	911	911	768
29 Lower Monumental	12.7	13.7	13.8	745	755	850	922	922	897	848	909	903	833	395
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	150	125
31 McNary	922	922	993	922	1033	1092	1117	1116	1110	1090	1090	1105	1056	1110
32 Merwin	147	146	140	130	135	143	128	115	115	113	124	124	129	147
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	251	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.2	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	330	448	448	428	440	432	440	440	440	528	543	533
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.34	11.3	10.5	9.45	8.70	9.83	10.4	11.6	12.2	10.9	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.6	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	571	577	565	539	526	554	582	590	602	602	598	571	571	581
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	395	213	355	301	398	355	303	231	210	201	200	370	446
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	135	264	228	188	162	140	152	158	0.23	233	263	263
50 Swift 2	62.1	62.1	39.3	62.5	69.5	76.1	76.1	76.1	76.1	76.1	0.10	76.1	64.9	62.1
51 The Dalles	1804	1804	1706	1666	1625	1605	1673	1708	1742	1777	1777	1789	1735	1656
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	102	99.0	90.9	83.3	83.0	0.06	43.8	98.7	102	103	102
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.85	10.2
55 Wanapum	847	841	836	836	889	843	836	836	836	836	840	849	849	838
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	105	133	129	112	102	94.0	94.0	106	106	0	133	130
<b>Total Regulated Hydro</b>														
58 Federal Entities	15551	15538	15316	15655	16383	16626	16818	16976	16570	16753	16585	16635	16890	16641
59 Investor Owned Utilities	4334	4259	3695	3903	4016	4015	4112	3992	3966	3896	3802	4151	4302	4261
60 Marketer	818	793	737	720	739	767	793	794	786	764	788	779	801	813
61 Municipality	2297	2260	2110	2240	2164	2113	2209	1933	1866	1906	1903	1889	2548	2347
62 Public Utility District	2428	2426	2571	2622	2678	2676	2661	2649	2575	2592	2589	2683	2746	2725
<b>63 Total Regulated Hydro</b>	<b>25427</b>	<b>25277</b>	<b>24428</b>	<b>25141</b>	<b>25980</b>	<b>26198</b>	<b>26594</b>	<b>26344</b>	<b>25764</b>	<b>25910</b>	<b>25668</b>	<b>26137</b>	<b>27287</b>	<b>26786</b>

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regulated Hydro</b>														
1 Albeni Falls Hydroelectric	14.8	14.8	17.9	29.9	27.8	21.6	22.4	22.0	22.0	28.5	33.7	33.1	31.2	27.0
2 Alder Hydroelectric	37.1	30.5	0	0	0	4.45	45.0	34.7	32.8	32.6	39.9	46.8	51.4	48.7
3 Bonneville	920	920	972	955	960	923	980	963	955	950	939	758	933	
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	913	676
5 Box Canyon Dam	76.9	77.0	76.4	74.5	74.4	75.7	76.3	76.0	76.0	98.7	97.0	89.7	85.7	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	65.3	65.3	65.6	65.8	65.5	65.0	63.8	63.5	4.00	3.00	3.00	65.6	67.1
9 Chief Joseph	2385	2385	1846	2146	2261	2263	2221	2273	2141	2223	2223	2306	2318	2318
10 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.6	18.8	22.7	25.2	29.8	35.7	33.8
11 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	307	191	426	405	384	436	435	440	445	447	349	348
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	4583	4495	5054	4817	4096	3727	4213	4854	4855	4126	3895	3716	3964	4764
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	195	195	193	191	197	371	330	190	275	318	238	363	194	195
19 Ice Harbor	513	514	529	469	508	524	508	578	560	554	541	638	674	471
20 John Day	2226	2226	2004	1866	2233	2285	2268	2248	2259	2112	2112	2234	2285	2156
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	63.7	64.0	64.0	64.0	64.0	63.3	63.7	63.3	63.3	63.9	63.5	63.4	63.3
23 Libby	351	350	517	593	589	583	484	526	528	479	479	459	463	362
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	346	346	662	766	767	821	873	846	854	863	858	848	843	823
26 Long Lake	72.0	72.0	72.2	72.1	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	64.2	57.3	0	0	0	0	63.6	49.7	49.7	-35.4	-37.5	61.1	69.4	71.4
28 Lower Granite	604	693	811	766	770	780	806	846	857	776	867	867	867	750
29 Lower Monumental	248	269	451	705	763	868	878	878	853	808	866	860	780	708
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	128	125
31 McNary	1031	1031	978	952	979	1033	1062	1061	1055	1035	1035	1049	988	1053
32 Merwin	147	146	140	138	139	143	128	114	114	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	251	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	330	446	446	428	440	432	440	440	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103



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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.34	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.2	10.9	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	571	577	565	539	526	553	582	590	602	602	602	571	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	395	213	349	297	398	355	301	226	204	197	199	369	446
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	135	258	224	188	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	39.3	64.6	70.9	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1642	1642	1672	1578	1607	1725	1697	1858	1862	1844	1844	1827	1752	1808
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	102	98.6	90.9	83.3	83.0	0.06	43.8	98.7	102	103	102
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	847	841	836	836	889	844	836	836	836	836	836	849	848	844
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	105	133	126	112	102	94.0	94.0	106	106	0	133	132
<b>Total Regulated Hydro</b>														
58 Federal Entities	15507	15528	16014	16026	16182	16331	16726	17578	17512	16558	16388	16588	16266	16716
59 Investor Owned Utilities	4025	3950	3695	3905	4013	4015	4112	3991	3965	3896	3803	4151	4289	4273
60 Marketer	818	793	737	720	739	767	793	794	786	764	789	779	801	812
61 Municipality	2297	2260	2110	2234	2160	2113	2209	2010	1853	1894	1893	1885	2441	2360
62 Public Utility District	2736	2735	2571	2621	2677	2676	2660	2648	2574	2532	2589	2683	2746	2725
<b>63 Total Regulated Hydro</b>	<b>25383</b>	<b>25267</b>	<b>25127</b>	<b>25506</b>	<b>25771</b>	<b>25902</b>	<b>26501</b>	<b>27021</b>	<b>26691</b>	<b>25643</b>	<b>25461</b>	<b>26086</b>	<b>26543</b>	<b>26887</b>

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regulated Hydro</b>														
1 Albeni Falls Hydroelectric	26.5	26.5	43.1	40.1	22.1	21.6	22.4	22.0	22.0	28.5	33.7	38.9	31.4	30.3
2 Alder Hydroelectric	37.1	30.5	0	0	0	4.45	45.0	34.7	32.8	32.6	39.9	46.8	51.4	48.7
3 Bonneville	905	905	929	913	907	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	913	676
5 Box Canyon Dam	76.9	77.0	76.4	74.5	74.4	75.7	76.3	76.0	76.0	98.7	97.0	89.7	85.7	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	65.3	65.3	65.6	65.8	65.5	65.0	63.8	63.5	4.00	3.00	3.00	65.6	67.1
9 Chief Joseph	2306	2306	2144	2236	2283	2261	2248	2289	2108	2213	2213	2328	2318	2328
10 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.6	18.8	22.7	25.2	29.8	35.7	33.8
11 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	348	347	398	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	4795	4703	3872	3753	4052	4069	4055	4554	4379	3875	3659	3632	4477	5133
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	195	195	193	195	343	371	242	179	175	159	119	181	260	195
19 Ice Harbor	608	609	614	627	610	672	596	681	662	654	639	674	674	492
20 John Day	2187	2187	1865	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	63.7	64.0	64.0	64.0	64.0	63.3	63.7	63.3	63.3	63.9	63.5	63.4	63.3
23 Libby	401	401	497	518	567	583	502	530	470	416	415	459	463	470
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	654	654	811	774	840	807	873	864	856	866	860	848	847	769
26 Long Lake	72.0	72.0	72.1	72.1	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	64.2	57.3	0	0	0	0	63.6	49.7	49.7	-35.4	-37.5	61.1	69.4	71.4
28 Lower Granite	633	726	767	726	740	857	796	856	857	776	867	867	867	778
29 Lower Monumental	650	704	711	705	771	870	878	878	853	808	866	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	128	125
31 McNary	1045	1045	991	930	979	973	1045	981	1009	1026	1026	1050	981	971
32 Merwin	147	146	144	138	139	143	128	114	114	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	251	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	334	446	446	428	440	432	440	440	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

**Regional: Regulated Hydro**  
**Operating Year 2021 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.2	10.9	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	572	578	565	539	526	553	582	590	602	602	602	571	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	395	365	349	297	398	355	301	226	204	197	199	369	446
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	209	258	224	188	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	61.3	64.6	70.9	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1780	1780	1652	1656	1725	1784	1880	1752	1719	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	102	98.6	90.9	83.3	83.0	0.06	43.8	98.7	102	103	102
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	847	840	836	836	889	844	836	836	836	836	836	849	848	844
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	131	133	126	112	102	94.0	94.0	106	106	0	133	132
<b>Total Regulated Hydro</b>														
58 Federal Entities	16533	16589	15488	15529	16563	16750	16687	17188	16662	15941	15823	16181	16958	17035
59 Investor Owned Utilities	4025	3950	3799	3905	4013	4015	4112	3991	3965	3896	3803	4151	4289	4273
60 Marketer	818	793	737	720	739	767	793	794	786	764	789	779	801	812
61 Municipality	2297	2260	2262	2234	2160	2113	2209	2010	1853	1894	1893	1885	2441	2360
62 Public Utility District	2736	2735	2596	2621	2677	2676	2660	2648	2574	2532	2589	2683	2746	2725
<b>63 Total Regulated Hydro</b>	<b>26410</b>	<b>26327</b>	<b>24882</b>	<b>25010</b>	<b>26152</b>	<b>26321</b>	<b>26462</b>	<b>26631</b>	<b>25840</b>	<b>25025</b>	<b>24896</b>	<b>25679</b>	<b>27235</b>	<b>27205</b>

**Regional: Regulated Hydro**  
**Operating Year 2022 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regulated Hydro</b>														
1 Albeni Falls Hydroelectric	22.4	22.4	19.7	40.1	22.1	21.6	22.4	22.0	22.0	28.5	33.7	38.9	31.4	30.3
2 Alder Hydroelectric	37.1	30.5	0	0	0	4.45	45.0	34.7	32.8	32.6	39.9	46.8	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	913	676
5 Box Canyon Dam	76.9	77.0	76.4	74.5	74.4	75.7	76.3	76.0	76.0	98.7	97.0	89.7	85.7	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	65.3	65.3	65.6	65.8	65.5	65.0	63.8	63.5	4.00	3.00	3.00	65.6	67.1
9 Chief Joseph	2316	2316	2034	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.6	18.8	22.7	25.2	29.8	35.7	33.8
11 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5024	4928	4406	3753	4052	4069	4055	4554	4379	3875	3659	3632	4477	5133
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	195	195	193	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	543	545	672	627	610	672	596	681	662	654	639	674	674	492
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	63.7	64.0	64.0	64.0	64.0	63.3	63.7	63.3	63.3	63.9	63.5	63.4	63.3
23 Libby	374	373	463	518	567	583	502	530	470	416	415	459	463	470
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	793	774	840	807	873	864	856	866	860	848	847	769
26 Long Lake	72.0	72.0	72.1	72.1	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	64.2	57.3	0	0	0	0	63.6	49.7	49.7	-35.4	-37.5	61.1	69.4	71.4
28 Lower Granite	580	665	718	726	740	857	796	856	857	776	867	867	867	778
29 Lower Monumental	645	698	696	705	771	870	878	878	853	808	866	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	128	125
31 McNary	935	935	983	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	144	138	139	143	128	114	114	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	251	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	334	446	446	428	440	432	440	440	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

**Regional: Regulated Hydro**  
**Operating Year 2022 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.2	10.9	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	572	578	565	539	526	553	582	590	602	602	602	571	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	395	365	349	297	398	355	301	226	204	197	199	369	446
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	209	258	224	188	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	61.3	64.6	70.9	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1719	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	102	98.6	90.9	83.3	83.0	0.06	43.8	98.7	102	103	102
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	847	840	836	836	889	844	836	836	836	836	836	849	848	844
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	131	133	126	112	102	94.0	94.0	106	106	0	133	132
<b>Total Regulated Hydro</b>														
58 Federal Entities	16588	16631	16322	15425	16267	16555	16478	17094	16541	15831	15679	16016	16769	16959
59 Investor Owned Utilities	4025	3950	3799	3905	4013	4015	4112	3991	3965	3896	3803	4151	4289	4273
60 Marketer	818	793	737	720	739	767	793	794	786	764	789	779	801	812
61 Municipality	2297	2260	2262	2234	2160	2113	2209	2010	1853	1894	1893	1885	2441	2360
62 Public Utility District	2736	2735	2596	2621	2677	2676	2660	2648	2574	2532	2589	2683	2746	2725
<b>63 Total Regulated Hydro</b>	<b>26465</b>	<b>26369</b>	<b>25715</b>	<b>24905</b>	<b>25857</b>	<b>26126</b>	<b>26253</b>	<b>26537</b>	<b>25720</b>	<b>24916</b>	<b>24752</b>	<b>25514</b>	<b>27046</b>	<b>27130</b>

**Regional: Regulated Hydro**  
**Operating Year 2023 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regulated Hydro</b>														
1 Albeni Falls Hydroelectric	22.4	22.4	19.7	40.1	22.1	21.6	22.4	22.0	22.0	28.5	33.7	38.9	31.4	30.3
2 Alder Hydroelectric	37.1	30.5	0	0	0	4.45	45.0	34.7	32.8	32.6	39.9	46.8	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	913	676
5 Box Canyon Dam	76.9	77.0	76.4	74.5	74.4	75.7	76.3	76.0	76.0	98.7	97.0	89.7	85.7	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	65.3	65.3	65.6	65.8	65.5	65.0	63.8	63.5	4.00	3.00	3.00	65.6	67.1
9 Chief Joseph	2222	2222	1940	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.6	18.8	22.7	25.2	29.8	35.7	33.8
11 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5024	4928	4406	3753	4052	4069	4055	4554	4379	3875	3659	3632	4477	5133
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	293	292	290	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	543	545	672	627	610	672	596	681	662	654	639	674	674	492
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	63.7	64.0	64.0	64.0	64.0	63.3	63.7	63.3	63.3	63.9	63.5	63.4	63.3
23 Libby	374	373	463	518	567	583	502	530	470	416	415	459	463	470
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	793	774	840	807	873	864	856	866	860	848	847	769
26 Long Lake	72.0	72.0	72.1	72.1	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	64.2	57.3	0	0	0	0	63.6	49.7	49.7	-35.4	-37.5	61.1	69.4	71.4
28 Lower Granite	580	665	718	726	740	857	796	856	857	776	867	867	867	778
29 Lower Monumental	645	698	696	705	771	870	878	878	853	808	866	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	128	125
31 McNary	884	884	830	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	144	138	139	143	128	114	114	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	251	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	334	446	446	428	440	432	440	440	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

**Regional: Regulated Hydro**  
**Operating Year 2023 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.2	10.9	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	572	578	565	539	526	553	582	590	602	602	602	571	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	395	365	349	297	398	355	301	226	204	197	199	369	446
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	209	258	224	188	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	61.3	64.6	70.9	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1719	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	102	98.6	90.9	83.3	83.0	0.06	43.8	98.7	102	103	102
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	847	840	836	836	889	844	836	836	836	836	836	849	848	844
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	131	133	126	112	102	94.0	94.0	106	106	0	133	132
<b>Total Regulated Hydro</b>														
58 Federal Entities	16541	16583	16171	15425	16267	16555	16478	17094	16541	15831	15679	16016	16769	16959
59 Investor Owned Utilities	4025	3950	3799	3905	4013	4015	4112	3991	3965	3896	3803	4151	4289	4273
60 Marketer	818	793	737	720	739	767	793	794	786	764	789	779	801	812
61 Municipality	2297	2260	2262	2234	2160	2113	2209	2010	1853	1894	1893	1885	2441	2360
62 Public Utility District	2736	2735	2596	2621	2677	2676	2660	2648	2574	2532	2589	2683	2746	2725
<b>63 Total Regulated Hydro</b>	<b>26418</b>	<b>26322</b>	<b>25564</b>	<b>24905</b>	<b>25857</b>	<b>26126</b>	<b>26253</b>	<b>26537</b>	<b>25720</b>	<b>24916</b>	<b>24752</b>	<b>25514</b>	<b>27046</b>	<b>27130</b>

**Regional: Regulated Hydro**  
**Operating Year 2024 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regulated Hydro</b>														
1 Albeni Falls Hydroelectric	22.4	22.4	19.7	40.1	22.1	21.6	22.4	22.0	22.0	28.5	33.7	38.9	31.4	30.3
2 Alder Hydroelectric	37.1	30.5	0	0	0	4.45	45.0	34.7	32.8	32.6	39.9	46.8	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	913	676
5 Box Canyon Dam	76.9	77.0	76.4	74.5	74.4	75.7	76.3	76.0	76.0	98.7	97.0	89.7	85.7	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	65.3	65.3	65.6	65.8	65.5	65.0	63.8	63.5	4.00	3.00	3.00	65.6	67.1
9 Chief Joseph	2222	2222	1940	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.6	18.8	22.7	25.2	29.8	35.7	33.8
11 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5024	4928	4406	3753	4052	4069	4055	4554	4379	3875	3659	3632	4477	5133
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	293	292	290	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	543	545	672	627	610	672	596	681	662	654	639	674	674	492
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	63.7	64.0	64.0	64.0	64.0	63.3	63.7	63.3	63.3	63.9	63.5	63.4	63.3
23 Libby	374	373	463	518	567	583	502	530	470	416	415	459	463	470
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	793	774	840	807	873	864	856	866	860	848	847	769
26 Long Lake	72.0	72.0	72.1	72.1	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	64.2	57.3	0	0	0	0	63.6	49.7	49.7	-35.4	-37.5	61.1	69.4	71.4
28 Lower Granite	580	665	718	726	740	857	796	856	857	776	867	867	867	778
29 Lower Monumental	645	698	696	705	771	870	878	878	853	808	866	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	128	125
31 McNary	884	884	830	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	144	138	139	143	128	114	114	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	251	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	334	446	446	428	440	432	440	440	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103



**Regional: Regulated Hydro**  
**Operating Year 2024 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.2	10.9	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	572	578	565	539	526	553	582	590	602	602	602	571	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	395	365	349	297	398	355	301	226	204	197	199	369	446
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	209	258	224	188	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	61.3	64.6	70.9	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1719	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	102	98.6	90.9	83.3	83.0	0.06	43.8	98.7	102	103	102
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	847	840	836	836	889	844	836	836	836	836	836	849	848	844
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	131	133	126	112	102	94.0	94.0	106	106	0	133	132
<b>Total Regulated Hydro</b>														
58 Federal Entities	16541	16583	16171	15425	16267	16555	16478	17094	16541	15831	15679	16016	16769	16959
59 Investor Owned Utilities	4025	3950	3799	3905	4013	4015	4112	3991	3965	3896	3803	4151	4289	4273
60 Marketer	818	793	737	720	739	767	793	794	786	764	789	779	801	812
61 Municipality	2297	2260	2262	2234	2160	2113	2209	2010	1853	1894	1893	1885	2441	2360
62 Public Utility District	2736	2735	2596	2621	2677	2676	2660	2648	2574	2532	2589	2683	2746	2725
<b>63 Total Regulated Hydro</b>	<b>26418</b>	<b>26322</b>	<b>25564</b>	<b>24905</b>	<b>25857</b>	<b>26126</b>	<b>26253</b>	<b>26537</b>	<b>25720</b>	<b>24916</b>	<b>24752</b>	<b>25514</b>	<b>27046</b>	<b>27130</b>

**Regional: Regulated Hydro**  
**Operating Year 2025 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regulated Hydro</b>														
1 Albeni Falls Hydroelectric	22.4	22.4	19.7	40.1	22.1	21.6	22.4	22.0	22.0	28.5	33.7	38.9	31.4	30.3
2 Alder Hydroelectric	37.1	30.5	0	0	0	4.45	45.0	34.7	32.8	32.6	39.9	46.8	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	913	676
5 Box Canyon Dam	76.9	77.0	76.4	74.5	74.4	75.7	76.3	76.0	76.0	98.7	97.0	89.7	85.7	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	65.3	65.3	65.6	65.8	65.5	65.0	63.8	63.5	4.00	3.00	3.00	65.6	67.1
9 Chief Joseph	2222	2222	1940	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.6	18.8	22.7	25.2	29.8	35.7	33.8
11 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5024	4928	4406	3753	4052	4069	4055	4554	4379	3875	3659	3632	4477	5133
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	293	292	290	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	543	545	672	627	610	672	596	681	662	654	639	674	674	492
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	63.7	64.0	64.0	64.0	64.0	63.3	63.7	63.3	63.3	63.9	63.5	63.4	63.3
23 Libby	374	373	463	518	567	583	502	530	470	416	415	459	463	470
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	793	774	840	807	873	864	856	866	860	848	847	769
26 Long Lake	72.0	72.0	72.1	72.1	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	64.2	57.3	0	0	0	0	63.6	49.7	49.7	-35.4	-37.5	61.1	69.4	71.4
28 Lower Granite	580	665	718	726	740	857	796	856	857	776	867	867	867	778
29 Lower Monumental	645	698	696	705	771	870	878	878	853	808	866	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	128	125
31 McNary	884	884	830	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	144	138	139	143	128	114	114	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	251	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	334	446	446	428	440	432	440	440	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

**Regional: Regulated Hydro**  
**Operating Year 2025 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.2	10.9	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	572	578	565	539	526	553	582	590	602	602	602	571	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	395	365	349	297	398	355	301	226	204	197	199	369	446
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	209	258	224	188	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	61.3	64.6	70.9	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1719	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	102	98.6	90.9	83.3	83.0	0.06	43.8	98.7	102	103	102
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	847	840	836	836	889	844	836	836	836	836	836	849	848	844
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	131	133	126	112	102	94.0	94.0	106	106	0	133	132
<b>Total Regulated Hydro</b>														
58 Federal Entities	16541	16583	16171	15425	16267	16555	16478	17094	16541	15831	15679	16016	16769	16959
59 Investor Owned Utilities	4025	3950	3799	3905	4013	4015	4112	3991	3965	3896	3803	4151	4289	4273
60 Marketer	818	793	737	720	739	767	793	794	786	764	789	779	801	812
61 Municipality	2297	2260	2262	2234	2160	2113	2209	2010	1853	1894	1893	1885	2441	2360
62 Public Utility District	2736	2735	2596	2621	2677	2676	2660	2648	2574	2532	2589	2683	2746	2725
<b>63 Total Regulated Hydro</b>	<b>26418</b>	<b>26322</b>	<b>25564</b>	<b>24905</b>	<b>25857</b>	<b>26126</b>	<b>26253</b>	<b>26537</b>	<b>25720</b>	<b>24916</b>	<b>24752</b>	<b>25514</b>	<b>27046</b>	<b>27130</b>

**Regional: Regulated Hydro**  
**Operating Year 2026 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regulated Hydro</b>														
1 Albeni Falls Hydroelectric	22.4	22.4	19.7	40.1	22.1	21.6	22.4	22.0	22.0	28.5	33.7	38.9	31.4	30.3
2 Alder Hydroelectric	37.1	30.5	0	0	0	4.45	45.0	34.7	32.8	32.6	39.9	46.8	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	913	676
5 Box Canyon Dam	76.9	77.0	76.4	74.5	74.4	75.7	76.3	76.0	76.0	98.7	97.0	89.7	85.7	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	65.3	65.3	65.6	65.8	65.5	65.0	63.8	63.5	4.00	3.00	3.00	65.6	67.1
9 Chief Joseph	2222	2222	1940	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.6	18.8	22.7	25.2	29.8	35.7	33.8
11 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5024	4928	4406	3753	4052	4069	4055	4554	4379	3875	3659	3632	4477	5133
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	293	292	290	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	543	545	672	627	610	672	596	681	662	654	639	674	674	492
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	63.7	64.0	64.0	64.0	64.0	63.3	63.7	63.3	63.3	63.9	63.5	63.4	63.3
23 Libby	374	373	463	518	567	583	502	530	470	416	415	459	463	470
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	793	774	840	807	873	864	856	866	860	848	847	769
26 Long Lake	72.0	72.0	72.1	72.1	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	64.2	57.3	0	0	0	0	63.6	49.7	49.7	-35.4	-37.5	61.1	69.4	71.4
28 Lower Granite	580	665	718	726	740	857	796	856	857	776	867	867	867	778
29 Lower Monumental	645	698	696	705	771	870	878	878	853	808	866	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	128	125
31 McNary	884	884	830	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	144	138	139	143	128	114	114	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	251	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	334	446	446	428	440	432	440	440	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

**Regional: Regulated Hydro**  
**Operating Year 2026 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.2	10.9	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	572	578	565	539	526	553	582	590	602	602	602	571	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	395	365	349	297	398	355	301	226	204	197	199	369	446
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	209	258	224	188	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	61.3	64.6	70.9	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1719	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	102	98.6	90.9	83.3	83.0	0.06	43.8	98.7	102	103	102
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	847	840	836	836	889	844	836	836	836	836	836	849	848	844
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	131	133	126	112	102	94.0	94.0	106	106	0	133	132
<b>Total Regulated Hydro</b>														
58 Federal Entities	16541	16583	16171	15425	16267	16555	16478	17094	16541	15831	15679	16016	16769	16959
59 Investor Owned Utilities	4025	3950	3799	3905	4013	4015	4112	3991	3965	3896	3803	4151	4289	4273
60 Marketer	818	793	737	720	739	767	793	794	786	764	789	779	801	812
61 Municipality	2297	2260	2262	2234	2160	2113	2209	2010	1853	1894	1893	1885	2441	2360
62 Public Utility District	2736	2735	2596	2621	2677	2676	2660	2648	2574	2532	2589	2683	2746	2725
<b>63 Total Regulated Hydro</b>	<b>26418</b>	<b>26322</b>	<b>25564</b>	<b>24905</b>	<b>25857</b>	<b>26126</b>	<b>26253</b>	<b>26537</b>	<b>25720</b>	<b>24916</b>	<b>24752</b>	<b>25514</b>	<b>27046</b>	<b>27130</b>

**Regional: Regulated Hydro**  
**Operating Year 2027 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regulated Hydro</b>														
1 Albeni Falls Hydroelectric	22.4	22.4	19.7	40.1	22.1	21.6	22.4	22.0	22.0	28.5	33.7	38.9	31.4	30.3
2 Alder Hydroelectric	37.1	30.5	0	0	0	4.45	45.0	34.7	32.8	32.6	39.9	46.8	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	913	676
5 Box Canyon Dam	76.9	77.0	76.4	74.5	74.4	75.7	76.3	76.0	76.0	98.7	97.0	89.7	85.7	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	65.3	65.3	65.6	65.8	65.5	65.0	63.8	63.5	4.00	3.00	3.00	65.6	67.1
9 Chief Joseph	2222	2222	1940	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.6	18.8	22.7	25.2	29.8	35.7	33.8
11 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5024	4928	4406	3753	4052	4069	4055	4554	4379	3875	3659	3632	4477	5133
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	293	292	290	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	543	545	672	627	610	672	596	681	662	654	639	674	674	492
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	63.7	64.0	64.0	64.0	64.0	63.3	63.7	63.3	63.3	63.9	63.5	63.4	63.3
23 Libby	374	373	463	518	567	583	502	530	470	416	415	459	463	470
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	793	774	840	807	873	864	856	866	860	848	847	769
26 Long Lake	72.0	72.0	72.1	72.1	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	64.2	57.3	0	0	0	0	63.6	49.7	49.7	-35.4	-37.5	61.1	69.4	71.4
28 Lower Granite	580	665	718	726	740	857	796	856	857	776	867	867	867	778
29 Lower Monumental	645	698	696	705	771	870	878	878	853	808	866	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	128	125
31 McNary	884	884	830	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	144	138	139	143	128	114	114	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	251	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	334	446	446	428	440	432	440	440	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

**Regional: Regulated Hydro**  
**Operating Year 2027 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.2	10.9	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	572	578	565	539	526	553	582	590	602	602	602	571	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	395	365	349	297	398	355	301	226	204	197	199	369	446
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	209	258	224	188	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	61.3	64.6	70.9	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1719	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	102	98.6	90.9	83.3	83.0	0.06	43.8	98.7	102	103	102
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	847	840	836	836	889	844	836	836	836	836	836	849	848	844
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	131	133	126	112	102	94.0	94.0	106	106	0	133	132
<b>Total Regulated Hydro</b>														
58 Federal Entities	16541	16583	16171	15425	16267	16555	16478	17094	16541	15831	15679	16016	16769	16959
59 Investor Owned Utilities	4025	3950	3799	3905	4013	4015	4112	3991	3965	3896	3803	4151	4289	4273
60 Marketer	818	793	737	720	739	767	793	794	786	764	789	779	801	812
61 Municipality	2297	2260	2262	2234	2160	2113	2209	2010	1853	1894	1893	1885	2441	2360
62 Public Utility District	2736	2735	2596	2621	2677	2676	2660	2648	2574	2532	2589	2683	2746	2725
<b>63 Total Regulated Hydro</b>	<b>26418</b>	<b>26322</b>	<b>25564</b>	<b>24905</b>	<b>25857</b>	<b>26126</b>	<b>26253</b>	<b>26537</b>	<b>25720</b>	<b>24916</b>	<b>24752</b>	<b>25514</b>	<b>27046</b>	<b>27130</b>

**Regional: Regulated Hydro**  
**Operating Year 2028 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regulated Hydro</b>														
1 Albeni Falls Hydroelectric	22.4	22.4	19.7	40.1	22.1	21.6	22.4	22.0	22.0	28.5	33.7	38.9	31.4	30.3
2 Alder Hydroelectric	37.1	30.5	0	0	0	4.45	45.0	34.7	32.8	32.6	39.9	46.8	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	913	676
5 Box Canyon Dam	76.9	77.0	76.4	74.5	74.4	75.7	76.3	76.0	76.0	98.7	97.0	89.7	85.7	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	65.3	65.3	65.6	65.8	65.5	65.0	63.8	63.5	4.00	3.00	3.00	65.6	67.1
9 Chief Joseph	2222	2222	1940	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.6	18.8	22.7	25.2	29.8	35.7	33.8
11 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5024	4928	4406	3753	4052	4069	4055	4554	4379	3875	3659	3632	4477	5133
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	293	292	290	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	543	545	672	627	610	672	596	681	662	654	639	674	674	492
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	63.7	64.0	64.0	64.0	64.0	63.3	63.7	63.3	63.3	63.9	63.5	63.4	63.3
23 Libby	374	373	463	518	567	583	502	530	470	416	415	459	463	470
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	793	774	840	807	873	864	856	866	860	848	847	769
26 Long Lake	72.0	72.0	72.1	72.1	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	64.2	57.3	0	0	0	0	63.6	49.7	49.7	-35.4	-37.5	61.1	69.4	71.4
28 Lower Granite	580	665	718	726	740	857	796	856	857	776	867	867	867	778
29 Lower Monumental	645	698	696	705	771	870	878	878	853	808	866	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	128	125
31 McNary	884	884	830	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	144	138	139	143	128	114	114	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	251	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	334	446	446	428	440	432	440	440	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103



**Regional: Regulated Hydro**  
**Operating Year 2028 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.2	10.9	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	572	578	565	539	526	553	582	590	602	602	602	571	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	395	365	349	297	398	355	301	226	204	197	199	369	446
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	209	258	224	188	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	61.3	64.6	70.9	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1719	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	102	98.6	90.9	83.3	83.0	0.06	43.8	98.7	102	103	102
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	847	840	836	836	889	844	836	836	836	836	836	849	848	844
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	131	133	126	112	102	94.0	94.0	106	106	0	133	132
<b>Total Regulated Hydro</b>														
58 Federal Entities	16541	16583	16171	15425	16267	16555	16478	17094	16541	15831	15679	16016	16769	16959
59 Investor Owned Utilities	4025	3950	3799	3905	4013	4015	4112	3991	3965	3896	3803	4151	4289	4273
60 Marketer	818	793	737	720	739	767	793	794	786	764	789	779	801	812
61 Municipality	2297	2260	2262	2234	2160	2113	2209	2010	1853	1894	1893	1885	2441	2360
62 Public Utility District	2736	2735	2596	2621	2677	2676	2660	2648	2574	2532	2589	2683	2746	2725
<b>63 Total Regulated Hydro</b>	<b>26418</b>	<b>26322</b>	<b>25564</b>	<b>24905</b>	<b>25857</b>	<b>26126</b>	<b>26253</b>	<b>26537</b>	<b>25720</b>	<b>24916</b>	<b>24752</b>	<b>25514</b>	<b>27046</b>	<b>27130</b>

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***Exhibit 16***  
***Regional Independent Hydro***

***Monthly 120-Hour Capacity***  
***Operating Year 2019 to 2028***  
***Using 1937-Water Conditions***

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**Regional: Independent Hydro**  
**Operating Year 2019 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
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
4 Ashton	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
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
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
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
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
9 Bliss	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
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
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
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
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
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
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
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
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
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
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
20 Detroit	115	115	115	115	115	115	114	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
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
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
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
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
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
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
30 Hellroaring	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
31 Henry M Jackson	112	112	112	112	112	112	112	112	112	112	112	112	112	112
32 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
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
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
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
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
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
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
39 John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	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

**Regional: Independent Hydro**  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
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
43 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
44 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
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
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
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
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
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
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
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
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	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
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
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
57 Paris	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
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
59 Rogue	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
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
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
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
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
64 Soda Creek 4	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
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
66 Soda Point	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

**Regional: Independent Hydro**  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 Wynnocchee 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
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
<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
85 Federal Entities	570	560	520	471	417	330	114	225	386	613	629	815	840	604
86 Investor Owned Utilities	778	774	786	829	803	842	806	832	844	894	900	874	876	792
87 Marketer	0	0	0	0	0	0	0	0	0	11.3	11.3	35.7	27.7	3.85
88 Municipality	163	157	169	159	160	183	186	195	198	182	184	182	204	177
89 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
<b>90 Total Independent Hydro</b>	<b>1666</b>	<b>1658</b>	<b>1614</b>	<b>1595</b>	<b>1514</b>	<b>1492</b>	<b>1239</b>	<b>1289</b>	<b>1567</b>	<b>1847</b>	<b>1871</b>	<b>2080</b>	<b>2142</b>	<b>1750</b>

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**Regional: Independent Hydro**  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
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
4 Ashton	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
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
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
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
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
9 Bliss	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
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
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
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
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
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
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
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
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
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
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
20 Detroit	115	115	115	115	115	115	114	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
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
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
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
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
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
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
30 Hellroaring	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
31 Henry M Jackson	112	112	112	112	112	112	112	112	112	112	112	112	112	112
32 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
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
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
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
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
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
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
39 John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	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

**Regional: Independent Hydro**  
**Operating Year 2020 Water Year: 1937**  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
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
43 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
44 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
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
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
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
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
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
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
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
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	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
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
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
57 Paris	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
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
59 Rogue	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
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
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
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
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
64 Soda Creek 4	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
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
66 Soda Point	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

**Regional: Independent Hydro**  
**Operating Year 2020 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 Wynnochee 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
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
<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
85 Federal Entities	570	560	520	471	417	330	114	225	386	613	629	815	840	604
86 Investor Owned Utilities	778	774	786	829	803	842	806	832	844	894	900	874	876	792
87 Marketer	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
88 Municipality	163	157	168	157	158	183	186	194	197	182	184	182	204	177
89 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
<b>90 Total Independent Hydro</b>	<b>1666</b>	<b>1658</b>	<b>1614</b>	<b>1595</b>	<b>1514</b>	<b>1492</b>	<b>1239</b>	<b>1289</b>	<b>1567</b>	<b>1847</b>	<b>1871</b>	<b>2080</b>	<b>2142</b>	<b>1750</b>

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**Regional: Independent Hydro**  
**Operating Year 2021 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
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
4 Ashton	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
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
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
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
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
9 Bliss	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
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
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
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
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
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
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
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
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
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
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
20 Detroit	115	115	115	115	115	115	114	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
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
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
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
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
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
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
30 Hellroaring	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
31 Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
32 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
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
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
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
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
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
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
39 John Boyle	0	0	9.28	80.0	80.0	80.0	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

**Regional: Independent Hydro**  
**Operating Year 2021 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
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
43 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
44 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
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
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
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
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
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
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
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
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	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
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
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
57 Paris	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
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
59 Rogue	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
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
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
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
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
64 Soda Creek 4	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
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
66 Soda Point	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

**Regional: Independent Hydro**  
**Operating Year 2021 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 Wynnocchee 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
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
<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
85 Federal Entities	570	560	520	471	417	330	114	225	386	613	629	815	840	604
86 Investor Owned Utilities	778	774	786	829	803	842	726	752	764	814	820	794	796	792
87 Marketer	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
88 Municipality	163	157	168	157	158	183	186	194	197	182	184	182	204	177
89 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
<b>90 Total Independent Hydro</b>	<b>1666</b>	<b>1658</b>	<b>1614</b>	<b>1595</b>	<b>1514</b>	<b>1492</b>	<b>1159</b>	<b>1209</b>	<b>1487</b>	<b>1767</b>	<b>1791</b>	<b>2000</b>	<b>2062</b>	<b>1750</b>

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**Regional: Independent Hydro**  
**Operating Year 2022 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
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
4 Ashton	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
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
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
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
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
9 Bliss	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
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
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
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
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
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
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
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
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
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
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
20 Detroit	115	115	115	115	115	115	114	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
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
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
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
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
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
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
30 Hellroaring	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
31 Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
32 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
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
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
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
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
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
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
39 John Boyle	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

**Regional: Independent Hydro**  
**Operating Year 2022 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
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
43 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
44 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
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
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
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
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
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
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
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
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	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
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
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
57 Paris	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
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
59 Rogue	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
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
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
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
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
64 Soda Creek 4	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
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
66 Soda Point	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

**Regional: Independent Hydro**  
**Operating Year 2022 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 Wynnochee 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
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
<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
85 Federal Entities	570	560	520	471	417	330	114	225	386	613	629	815	840	604
86 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
87 Marketer	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
88 Municipality	163	157	168	157	158	183	186	194	197	182	184	182	204	177
89 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
<b>90 Total Independent Hydro</b>	<b>1666</b>	<b>1658</b>	<b>1605</b>	<b>1515</b>	<b>1434</b>	<b>1412</b>	<b>1159</b>	<b>1209</b>	<b>1487</b>	<b>1767</b>	<b>1791</b>	<b>2000</b>	<b>2062</b>	<b>1750</b>

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**Regional: Independent Hydro**  
**Operating Year 2023 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
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
4 Ashton	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
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
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
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
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
9 Bliss	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
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
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
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
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
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
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
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
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
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
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
20 Detroit	115	115	115	115	115	115	114	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
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
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
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
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
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
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
30 Hellroaring	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
31 Henry M Jackson	112	112	112	112	112	112	112	112	112	112	112	112	112	112
32 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
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
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
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
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
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
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
39 John Boyle	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

**Regional: Independent Hydro**  
**Operating Year 2023 Water Year: 1937**  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
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
43 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
44 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
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
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
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
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
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
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
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
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	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
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
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
57 Paris	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
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
59 Rogue	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
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
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
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
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
64 Soda Creek 4	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
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
66 Soda Point	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

**Regional: Independent Hydro**  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 Wynnocchee 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
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
<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
85 Federal Entities	570	560	520	471	417	330	114	225	386	613	629	815	840	604
86 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
87 Marketer	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
88 Municipality	163	157	168	157	158	183	186	194	197	182	184	182	204	177
89 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
<b>90 Total Independent Hydro</b>	<b>1666</b>	<b>1658</b>	<b>1605</b>	<b>1515</b>	<b>1434</b>	<b>1412</b>	<b>1159</b>	<b>1209</b>	<b>1487</b>	<b>1767</b>	<b>1791</b>	<b>2000</b>	<b>2062</b>	<b>1750</b>

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**Regional: Independent Hydro**  
**Operating Year 2024 Water Year: 1937**  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
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
4 Ashton	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
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
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
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
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
9 Bliss	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
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
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
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
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
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
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
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
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
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
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
20 Detroit	115	115	115	115	115	115	114	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
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
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
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
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
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
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
30 Hellroaring	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
31 Henry M Jackson	112	112	112	112	112	112	112	112	112	112	112	112	112	112
32 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
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
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
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
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
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
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
39 John Boyle	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

**Regional: Independent Hydro**  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
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
43 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
44 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
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
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
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
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
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
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
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
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	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
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
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
57 Paris	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
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
59 Rogue	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
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
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
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
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
64 Soda Creek 4	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
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
66 Soda Point	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

**Regional: Independent Hydro**  
**Operating Year 2024 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
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
<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
85 Federal Entities	570	560	520	471	417	330	114	225	386	613	629	815	840	604
86 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
87 Marketer	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
88 Municipality	163	157	168	157	158	183	186	194	197	182	184	182	204	177
89 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
<b>90 Total Independent Hydro</b>	<b>1666</b>	<b>1658</b>	<b>1605</b>	<b>1515</b>	<b>1434</b>	<b>1412</b>	<b>1159</b>	<b>1209</b>	<b>1487</b>	<b>1767</b>	<b>1791</b>	<b>2000</b>	<b>2062</b>	<b>1750</b>

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**Regional: Independent Hydro**  
**Operating Year 2025 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
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
4 Ashton	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
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
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
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
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
9 Bliss	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
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
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
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
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
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
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
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
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
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
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
20 Detroit	115	115	115	115	115	115	114	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
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
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
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
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
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
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
30 Hellroaring	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
31 Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
32 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
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
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
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
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
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
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
39 John Boyle	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

**Regional: Independent Hydro**  
**Operating Year 2025 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017** *Continued*

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
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
43 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
44 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
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
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
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
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
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
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
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
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	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
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
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
57 Paris	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
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
59 Rogue	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
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
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
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
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
64 Soda Creek 4	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
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
66 Soda Point	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

**Regional: Independent Hydro**  
**Operating Year 2025 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 Wynnochee 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
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
<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
85 Federal Entities	570	560	520	471	417	330	114	225	386	613	629	815	840	604
86 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
87 Marketer	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
88 Municipality	163	157	168	157	158	183	186	194	197	182	184	182	204	177
89 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
<b>90 Total Independent Hydro</b>	<b>1666</b>	<b>1658</b>	<b>1605</b>	<b>1515</b>	<b>1434</b>	<b>1412</b>	<b>1159</b>	<b>1209</b>	<b>1487</b>	<b>1767</b>	<b>1791</b>	<b>2000</b>	<b>2062</b>	<b>1750</b>

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**Regional: Independent Hydro**  
**Operating Year 2026 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
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
4 Ashton	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
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
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
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
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
9 Bliss	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
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
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
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
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
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
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
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
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
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
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
20 Detroit	115	115	115	115	115	115	114	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
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
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
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
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
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
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
30 Hellroaring	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
31 Henry M Jackson	112	112	112	112	112	112	112	112	112	112	112	112	112	112
32 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
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
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
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
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
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
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
39 John Boyle	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

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
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
43 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
44 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
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
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
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
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
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
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
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
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	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
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
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
57 Paris	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
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
59 Rogue	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
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
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
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
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
64 Soda Creek 4	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
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
66 Soda Point	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
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
<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
85 Federal Entities	570	560	520	471	417	330	114	225	386	613	629	815	840	604
86 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
87 Marketer	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
88 Municipality	163	157	168	157	158	183	186	194	197	182	184	182	204	177
89 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
<b>90 Total Independent Hydro</b>	<b>1666</b>	<b>1658</b>	<b>1605</b>	<b>1515</b>	<b>1434</b>	<b>1412</b>	<b>1159</b>	<b>1209</b>	<b>1487</b>	<b>1767</b>	<b>1791</b>	<b>2000</b>	<b>2062</b>	<b>1750</b>

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**Regional: Independent Hydro**  
**Operating Year 2027 Water Year: 1937**  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
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
4 Ashton	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
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
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
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
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
9 Bliss	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
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
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
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
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
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
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
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
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
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
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
20 Detroit	115	115	115	115	115	115	114	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
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
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
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
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
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
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
30 Hellroaring	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
31 Henry M Jackson	112	112	112	112	112	112	112	112	112	112	112	112	112	112
32 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
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
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
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
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
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
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
39 John Boyle	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

**Regional: Independent Hydro**  
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
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
43 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
44 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
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
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
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
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
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
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
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
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	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
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
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
57 Paris	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
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
59 Rogue	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
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
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
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
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
64 Soda Creek 4	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
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
66 Soda Point	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

**Regional: Independent Hydro**  
**Operating Year 2027 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 Wynnochee 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
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
<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
85 Federal Entities	570	560	520	471	417	330	114	225	386	613	629	815	840	604
86 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
87 Marketer	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
88 Municipality	163	157	168	157	158	183	186	194	197	182	184	182	204	177
89 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
<b>90 Total Independent Hydro</b>	<b>1666</b>	<b>1658</b>	<b>1605</b>	<b>1515</b>	<b>1434</b>	<b>1412</b>	<b>1159</b>	<b>1209</b>	<b>1487</b>	<b>1767</b>	<b>1791</b>	<b>2000</b>	<b>2062</b>	<b>1750</b>

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**Regional: Independent Hydro**  
**Operating Year 2028 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
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
4 Ashton	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
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
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
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
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
9 Bliss	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
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
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
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
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
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
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
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
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
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
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
20 Detroit	115	115	115	115	115	115	114	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
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
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
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
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
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
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
30 Hellroaring	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
31 Henry M Jackson	112	112	112	112	112	112	112	112	112	112	112	112	112	112
32 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
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
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
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
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
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
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
39 John Boyle	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

**Regional: Independent Hydro**  
**Operating Year 2028 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
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
43 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
44 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
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
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
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
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
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
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
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
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	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
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
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
57 Paris	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
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
59 Rogue	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
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
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
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
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
64 Soda Creek 4	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
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
66 Soda Point	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

**Regional: Independent Hydro**  
**Operating Year 2028 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 Wynnochee 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
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
<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
85 Federal Entities	570	560	520	471	417	330	114	225	386	613	629	815	840	604
86 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
87 Marketer	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
88 Municipality	163	157	168	157	158	183	186	194	197	182	184	182	204	177
89 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
<b>90 Total Independent Hydro</b>	<b>1666</b>	<b>1658</b>	<b>1605</b>	<b>1515</b>	<b>1434</b>	<b>1412</b>	<b>1159</b>	<b>1209</b>	<b>1487</b>	<b>1767</b>	<b>1791</b>	<b>2000</b>	<b>2062</b>	<b>1750</b>

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

***Monthly 120-Hour Capacity***  
***Operating Year 2019 to 2028***  
***Using 1937-Water Conditions***

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**Federal Report Surplus Deficit By Water Year**

**Operating Year 2019**

**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	2521	2218	278	386	660	239	201	-161	816	-602	1369	3244	2741	-272
2 1930 Federal Report Surplus Deficit	1446	176	947	465	808	321	-904	326	606	485	2286	2675	-140	2196
3 1931 Federal Report Surplus Deficit	2030	404	653	336	770	463	-332	-1205	202	140	-752	3619	409	1994
4 1932 Federal Report Surplus Deficit	1926	511	406	190	314	328	-1276	-1271	2462	3936	4501	5584	4555	3202
5 1933 Federal Report Surplus Deficit	2338	1867	1357	354	79.7	1851	2879	3267	3360	1830	2336	4780	5127	4202
6 1934 Federal Report Surplus Deficit	3160	2825	1119	1259	3020	4056	4352	4489	4578	4516	4448	4999	3761	2524
7 1935 Federal Report Surplus Deficit	853	-65.4	451	218	-182	230	2641	2819	3290	315	2579	4410	3443	3638
8 1936 Federal Report Surplus Deficit	3136	765	240	369	617	-101	-932	-169	984	545	3983	5598	4362	2496
9 1937 Federal Report Surplus Deficit	1736	265	653	358	904	223	-1346	-626	526	-223	151	3816	2171	40.0
10 1938 Federal Report Surplus Deficit	1648	-17.2	624	394	640	1202	2289	2832	3614	3421	4908	5458	4039	3373
11 1939 Federal Report Surplus Deficit	869	-153	1053	295	528	158	1313	906	1742	1735	3561	4668	1976	2243
12 1940 Federal Report Surplus Deficit	1617	131	895	339	937	472	1384	789	3985	1969	2961	4476	1791	1947
13 1941 Federal Report Surplus Deficit	845	-529	597	78.3	622	901	2.49	69.7	941	-515	840	3854	1909	1852
14 1942 Federal Report Surplus Deficit	1826	332	896	30.6	1310	1781	2614	2110	2637	631	2590	4277	3654	3564
15 1943 Federal Report Surplus Deficit	2347	1392	1483	331	-69.4	648	3101	3156	3737	4979	4990	5074	4999	4153
16 1944 Federal Report Surplus Deficit	2931	1328	477	226	703	210	263	285	393	-750	984	2404	-218	683
17 1945 Federal Report Surplus Deficit	1872	-110	465	198	689	294	-538	-234	492	-520	-1339	4931	4209	446
18 1946 Federal Report Surplus Deficit	1411	162	633	220	747	1063	2079	2120	3451	3854	4936	5436	4079	3889
19 1947 Federal Report Surplus Deficit	2678	1804	1131	254	797	3639	3806	3887	4057	2832	3193	5463	4177	3596
20 1948 Federal Report Surplus Deficit	2428	1200	865	3064	2073	2600	3679	3080	3413	2146	4230	5686	4962	4028
21 1949 Federal Report Surplus Deficit	3255	3099	1490	770	508	1269	2021	1766	4024	3001	4562	5614	4156	1212
22 1950 Federal Report Surplus Deficit	729	-693	516	174	474	681	3516	4264	4199	4132	3992	5162	5015	4519
23 1951 Federal Report Surplus Deficit	3276	3038	1372	1490	2395	3749	4324	4841	4902	4446	4414	5452	4204	4062
24 1952 Federal Report Surplus Deficit	3062	1249	934	2537	1413	2641	3466	3603	3541	4294	5045	5691	4352	3588
25 1953 Federal Report Surplus Deficit	2347	683	220	346	400	-16.2	1486	2907	2869	701	2096	4880	5145	4273
26 1954 Federal Report Surplus Deficit	2931	1771	1036	704	799	2005	3389	3909	4086	2415	3279	5467	4644	4490
27 1955 Federal Report Surplus Deficit	3335	3544	3053	843	1565	1951	1247	1174	657	133	1834	4592	5046	4396
28 1956 Federal Report Surplus Deficit	3173	2232	805	1007	1987	3678	4226	4745	4669	3860	4972	5675	4950	4118
29 1957 Federal Report Surplus Deficit	3164	2681	1041	963	499	2178	2260	1732	3294	3682	3041	5589	4982	3196
30 1958 Federal Report Surplus Deficit	2046	931	938	228	765	377	2664	2743	3233	1897	3772	5545	4710	2825
31 1959 Federal Report Surplus Deficit	2349	598	537	569	1426	3321	4032	4250	4250	3283	3113	4998	4634	4213
32 1960 Federal Report Surplus Deficit	3294	3180	3337	3976	3064	3135	2855	2713	3418	5072	4146	4447	4450	3641
33 1961 Federal Report Surplus Deficit	2687	646	529	648	657	1497	2682	3442	4352	2627	2741	5357	4721	3012
34 1962 Federal Report Surplus Deficit	2378	962	632	84.3	660	1116	2466	2632	1611	4084	4744	5158	3899	3152
35 1963 Federal Report Surplus Deficit	2314	1439	363	1263	1557	3071	3034	2909	2736	608	2141	4810	3961	3437
36 1964 Federal Report Surplus Deficit	2259	941	1248	174	434	1459	1392	1398	1727	2914	2092	5019	5066	4322
37 1965 Federal Report Surplus Deficit	3175	2817	1785	1526	1243	3777	4454	4864	4612	2051	4872	5511	4240	3593
38 1966 Federal Report Surplus Deficit	3066	2775	494	820	642	1706	2089	2087	2014	4145	2913	3911	3714	3601

**Federal Report Surplus Deficit By Water Year**

**Operating Year 2019**

**2017 White Book** Report Date: 6/1/2017 *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	2934	719	642	142	430	2015	3692	4051	4024	1649	163	4748	4885	4152
40 1968 Federal Report Surplus Deficit	3050	2267	1120	664	993	1692	3281	3332	3603	134	1559	3698	4389	3782
41 1969 Federal Report Surplus Deficit	2989	1940	2184	1588	2082	2643	4041	4517	4116	4100	4732	5677	4510	3671
42 1970 Federal Report Surplus Deficit	2127	838	838	757	848	715	2536	2449	2881	977	1939	4863	4842	2223
43 1971 Federal Report Surplus Deficit	2035	491	586	147	549	1226	4186	4642	4709	4092	4370	5649	5017	4312
44 1972 Federal Report Surplus Deficit	3224	3395	1362	1009	661	2041	4144	4636	4868	5055	3618	5636	4878	4295
45 1973 Federal Report Surplus Deficit	3310	3516	1465	905	767	1658	2398	1142	1357	-1114	1010	3951	1078	1806
46 1974 Federal Report Surplus Deficit	1460	-150	508	233	364	2477	4547	4609	4764	4461	4814	5574	4962	4569
47 1975 Federal Report Surplus Deficit	3227	3501	1408	146	685	592	2671	2989	3631	691	1862	5353	5021	4437
48 1976 Federal Report Surplus Deficit	2972	2512	1571	1776	2363	4119	4057	4221	4537	4425	4233	5666	4522	4174
49 1977 Federal Report Surplus Deficit	3422	3680	3992	1040	778	145	401	550	731	-1097	436	2015	-471	811
50 1978 Federal Report Surplus Deficit	1826	-34.3	-18.9	-149	667	1570	2402	2574	2712	4085	3165	5126	3549	3633
51 1979 Federal Report Surplus Deficit	2034	456	2347	1072	792	409	1763	541	3057	450	2456	5241	3289	76.8
52 1980 Federal Report Surplus Deficit	1462	205	926	299	681	-7.57	1265	661	1244	1864	3356	5611	4520	2957
53 1981 Federal Report Surplus Deficit	1215	178	863	179	635	3022	3650	4003	2762	-770	2104	4795	4869	4027
54 1982 Federal Report Surplus Deficit	3321	3054	1141	574	1028	1670	3295	4820	5018	3972	3773	5521	4924	4514
55 1983 Federal Report Surplus Deficit	3330	3453	2198	1646	1068	2236	3704	4394	4721	3161	3110	5269	4528	4207
56 1984 Federal Report Surplus Deficit	3223	2332	1541	800	2645	2545	3288	3877	3967	4411	4606	5385	4900	4023
57 1985 Federal Report Surplus Deficit	3088	1550	1517	827	973	1676	1888	1777	1979	2700	3759	5025	3095	1906
58 1986 Federal Report Surplus Deficit	825	-716	784	209	2110	1890	3139	4032	5041	4418	4634	4705	4191	2986
59 1987 Federal Report Surplus Deficit	1797	328	363	-13.5	869	1790	1532	436	2532	8.02	1852	4951	2910	779
60 1988 Federal Report Surplus Deficit	807	-646	340	200	594	-23.2	-101	-942	979	-254	1665	3681	1669	2294
61 1989 Federal Report Surplus Deficit	1770	246	575	165	920	827	490	-158	2598	1926	4664	4805	3369	1632
62 1990 Federal Report Surplus Deficit	1009	-64.6	635	385	900	2071	2827	3379	3732	1755	4365	4287	4479	3455
63 1991 Federal Report Surplus Deficit	3072	2470	563	138	2367	2858	3531	3684	3945	2803	2611	4970	4335	4141
64 1992 Federal Report Surplus Deficit	3322	2600	528	494	655	-1.24	909	880	2750	-996	918	3646	1038	781
65 1993 Federal Report Surplus Deficit	1289	-332	152	294	906	485	-394	-1079	1826	834	2256	5147	3829	2235
66 1994 Federal Report Surplus Deficit	1782	700	920	424	1036	650	-740	-285	571	-269	1608	4446	2983	1993
67 1995 Federal Report Surplus Deficit	1545	-252	624	265	306	440	1687	2521	3604	1104	1945	4684	4576	3253
68 1996 Federal Report Surplus Deficit	1800	606	1357	1386	3235	4075	4495	4861	5058	4094	4935	5600	4550	4102
69 1997 Federal Report Surplus Deficit	3275	2599	1059	611	854	2657	4575	4657	4933	4298	4960	5568	4901	4202
70 1998 Federal Report Surplus Deficit	3135	3423	2161	3315	1994	1701	2267	2398	2650	1519	3035	5546	4829	3579
71 1999 Federal Report Surplus Deficit	2819	908	531	346	172	2378	4058	4591	4808	2846	4185	5157	4882	4297
72 2000 Federal Report Surplus Deficit	3450	3568	1507	620	2822	3109	2786	3051	3404	3927	4665	5278	2970	3293
73 2001 Federal Report Surplus Deficit	2592	-79.1	207	324	626	254	222	266	915	-840	805	3069	-939	1107
74 2002 Federal Report Surplus Deficit	1976	-117	141	-176	727	543	213	275	1768	1603	4083	4649	4667	3920
75 2003 Federal Report Surplus Deficit	2311	854	884	494	980	506	192	-222	2995	1661	2588	4545	4406	1842
76 2004 Federal Report Surplus Deficit	983	-670	139	186	1151	1034	1194	91.1	2252	950	2178	4431	2962	2304
77 2005 Federal Report Surplus Deficit	1563	600	1620	989	679	2000	2036	2170	1347	-711	1585	4691	3341	2768



**Federal Report Surplus Deficit By Water Year**

**Operating Year 2019**

**2017 White Book** Report Date: **6/1/2017** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	1981	-56.1	782	-22.2	779	1642	3041	3790	3449	4335	4677	5514	4643	3220
79 2007 Federal Report Surplus Deficit	1298	173	226	460	975	1088	2708	2531	3832	3321	2622	4819	3794	3429
80 2008 Federal Report Surplus Deficit	1651	-168	145	398	1111	206	954	1133	1864	1113	239	5300	5129	3691
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>865</b>	<b>-442</b>	<b>564</b>	<b>218</b>	<b>775</b>	<b>868</b>	<b>1816</b>	<b>1827</b>	<b>2772</b>	<b>1567</b>	<b>2977</b>	<b>4400</b>	<b>3206</b>	<b>2912</b>
82 <b>Middle 80 pct</b>	<b>2360</b>	<b>1144</b>	<b>879</b>	<b>637</b>	<b>1004</b>	<b>1593</b>	<b>2243</b>	<b>2359</b>	<b>3012</b>	<b>2206</b>	<b>3046</b>	<b>4964</b>	<b>3992</b>	<b>3087</b>
83 <b>Top 10 pct</b>	<b>3348</b>	<b>3324</b>	<b>2153</b>	<b>1262</b>	<b>1468</b>	<b>1738</b>	<b>2199</b>	<b>2341</b>	<b>2757</b>	<b>1632</b>	<b>2487</b>	<b>4340</b>	<b>2945</b>	<b>2931</b>

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**Federal Report Surplus Deficit By Water Year**

**Operating Year 2020**

**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	2626	2418	348	54.4	857	309	293	355	539	-618	1409	3023	3377	-638
2 1930 Federal Report Surplus Deficit	1637	447	1023	218	956	366	-495	467	550	446	1705	2471	1512	1759
3 1931 Federal Report Surplus Deficit	2149	615	732	115	994	524	-882	-600	1461	358	-1077	3244	1254	1798
4 1932 Federal Report Surplus Deficit	2035	713	485	-257	507	414	-433	-1343	2415	3831	4408	5491	5185	3221
5 1933 Federal Report Surplus Deficit	2437	2074	1436	147	770	1956	2973	3557	3350	1461	2400	4683	5649	4232
6 1934 Federal Report Surplus Deficit	3350	3011	1189	986	3405	3739	4233	5042	4948	4573	4420	4944	4346	2307
7 1935 Federal Report Surplus Deficit	991	121	528	18.2	448	699	2773	3408	3127	147	2651	4330	3982	3547
8 1936 Federal Report Surplus Deficit	3294	963	327	1.89	848	327	-734	216	940	533	3906	5485	5006	2255
9 1937 Federal Report Surplus Deficit	1848	460	731	147	1056	444	-884	-303	477	-190	-674	3647	2755	837
10 1938 Federal Report Surplus Deficit	1754	166	699	112	870	1284	2273	3081	3666	3328	4815	5359	4772	3359
11 1939 Federal Report Surplus Deficit	1021	17.6	1129	131	718	237	1513	1171	1945	1612	3616	4537	2725	2182
12 1940 Federal Report Surplus Deficit	1729	323	972	197	1205	1449	945	1220	3828	1958	2969	4385	3212	1589
13 1941 Federal Report Surplus Deficit	996	-361	676	-124	964	984	86.4	291	885	-755	856	3670	2788	1823
14 1942 Federal Report Surplus Deficit	1935	531	972	-314	1543	2476	2210	1851	1508	623	2611	4137	4274	3828
15 1943 Federal Report Surplus Deficit	2455	1717	1566	206	485	1036	3117	3353	3844	4891	4997	4970	5585	4185
16 1944 Federal Report Surplus Deficit	3066	1528	547	-0.19	878	262	556	493	423	-766	1005	2208	442	505
17 1945 Federal Report Surplus Deficit	1980	74.4	544	-106	923	370	-416	-106	474	-514	-915	4813	4868	241
18 1946 Federal Report Surplus Deficit	1529	348	707	-51.0	952	1357	2225	2599	3099	3726	4916	5318	4733	3791
19 1947 Federal Report Surplus Deficit	2828	2067	1203	-76.3	1489	3297	3719	4269	4238	2773	3215	5335	4818	3596
20 1948 Federal Report Surplus Deficit	2548	1421	933	2862	2726	2389	3614	3538	3557	2123	4347	5591	5516	4012
21 1949 Federal Report Surplus Deficit	3485	3316	1568	475	1223	1132	1977	1644	4454	2837	4520	5516	4810	679
22 1950 Federal Report Surplus Deficit	881	-518	590	-7.23	684	1438	3493	4830	4281	4104	3988	5125	5570	4561
23 1951 Federal Report Surplus Deficit	3492	3230	1444	1221	3012	3391	4183	5391	5342	4443	4341	5338	4836	4081
24 1952 Federal Report Surplus Deficit	3041	1475	998	2300	2098	2429	3299	3900	3851	4101	5041	5584	4945	3523
25 1953 Federal Report Surplus Deficit	2450	880	308	76.5	858	358	609	4413	2744	725	2244	4811	5673	4200
26 1954 Federal Report Surplus Deficit	2902	2022	1110	403	1497	1852	3052	4734	4048	2345	3306	5344	5203	4498
27 1955 Federal Report Surplus Deficit	3586	3802	3295	550	2242	1790	1062	1786	140	118	1868	4579	5563	4414
28 1956 Federal Report Surplus Deficit	3385	2453	875	720	2646	3328	4137	5300	4901	3893	4891	5572	5538	4129
29 1957 Federal Report Surplus Deficit	3248	2877	1112	678	1185	2040	2259	1144	3801	3666	3086	5489	5524	3026
30 1958 Federal Report Surplus Deficit	2149	1137	1014	106	1081	960	2707	3088	3328	1882	3734	5448	5279	2741
31 1959 Federal Report Surplus Deficit	2455	799	613	402	2110	3025	3944	4710	4280	3311	3152	4859	5223	4228
32 1960 Federal Report Surplus Deficit	3514	3423	3671	3847	3439	2834	2805	2810	3397	5038	4119	4417	5020	3648
33 1961 Federal Report Surplus Deficit	2798	835	599	348	1358	1360	2617	3553	4513	2612	2575	5261	5305	2962
34 1962 Federal Report Surplus Deficit	2520	1228	706	-61.4	1061	1299	2443	2835	1182	3987	4710	5087	4685	2964
35 1963 Federal Report Surplus Deficit	2414	1643	437	988	2236	2804	3053	3252	2351	600	2178	4723	4584	3430
36 1964 Federal Report Surplus Deficit	2398	1200	1323	-27.7	1048	1321	1412	1380	1473	2876	2131	4993	5605	4342
37 1965 Federal Report Surplus Deficit	3369	3042	1872	1266	1928	3413	4345	5418	4873	2178	4837	5398	4844	3581
38 1966 Federal Report Surplus Deficit	3225	2952	556	535	1343	1560	2082	2369	1845	4077	2915	3778	4369	3578

## Federal Report Surplus Deficit By Water Year

Operating Year 2020

2017 White Book Report Date: 6/1/2017 *Continued*

S149-WB-20171215-145200

120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	3090	974	713	-89.1	838	2084	3629	4385	3953	1786	166	4719	5446	4162
40 1968 Federal Report Surplus Deficit	3046	2478	1196	370	1683	1547	2780	3947	3837	189	1604	3576	4983	3795
41 1969 Federal Report Surplus Deficit	3148	2174	2311	1322	2734	2429	4032	4934	4244	3994	4699	5567	5155	3634
42 1970 Federal Report Surplus Deficit	2259	1085	908	568	1311	819	2639	2918	2392	1071	1993	4875	5412	1822
43 1971 Federal Report Surplus Deficit	2127	682	658	18.1	833	1684	4100	5195	4895	4021	4285	5545	5590	4301
44 1972 Federal Report Surplus Deficit	3341	3593	1434	725	1368	1887	3997	5310	5581	4968	3626	5521	5425	4327
45 1973 Federal Report Surplus Deficit	3536	3709	1542	621	1467	1521	2388	1778	1094	-902	1035	3699	1684	1536
46 1974 Federal Report Surplus Deficit	1585	40.7	582	-29.6	938	2467	4456	5161	5437	4531	4751	5485	5500	4608
47 1975 Federal Report Surplus Deficit	3443	3696	1483	-114	862	958	2830	3275	3602	727	1925	5281	5573	4432
48 1976 Federal Report Surplus Deficit	2963	2690	1646	1515	2983	3737	3965	4719	4771	4386	4135	5561	5118	4203
49 1977 Federal Report Surplus Deficit	3671	3977	4446	758	1000	211	279	1472	170	-909	446	1877	411	618
50 1978 Federal Report Surplus Deficit	1936	155	68.6	-427	877	1715	2391	2786	2844	4040	3175	5031	4308	3564
51 1979 Federal Report Surplus Deficit	2127	636	2488	798	1375	476	906	2266	2753	645	2506	5116	3916	149
52 1980 Federal Report Surplus Deficit	1576	392	1000	161	922	41.5	1720	539	928	1878	3392	5509	5157	2719
53 1981 Federal Report Surplus Deficit	1332	358	931	34.6	1398	2770	3532	4411	2537	-381	1933	4724	5382	4054
54 1982 Federal Report Surplus Deficit	3552	3293	1214	265	1715	1532	3247	5412	5489	4001	3736	5416	5494	4615
55 1983 Federal Report Surplus Deficit	3528	3630	2314	1386	1757	2069	3629	4787	5062	3093	3137	5085	5069	4217
56 1984 Federal Report Surplus Deficit	3350	2566	1618	518	3209	2350	3291	4342	4051	4357	4532	5273	5499	4008
57 1985 Federal Report Surplus Deficit	3256	1755	1594	538	1660	1536	1981	1943	2209	2539	3749	4976	3682	1572
58 1986 Federal Report Surplus Deficit	977	-542	848	921	2122	1739	2847	4400	5519	4490	4512	4567	4898	2771
59 1987 Federal Report Surplus Deficit	1903	521	435	-108	1504	1645	1105	1384	2368	-173	2023	4796	3741	508
60 1988 Federal Report Surplus Deficit	955	-488	415	-42.8	746	25.7	3.81	-824	1011	-252	1723	3512	2640	2221
61 1989 Federal Report Surplus Deficit	1883	442	657	-72.8	1079	1132	544	-800	2516	1998	4703	4687	4005	2009
62 1990 Federal Report Surplus Deficit	1131	102	704	141	1459	1978	2170	4320	3813	1750	4394	4437	5061	3448
63 1991 Federal Report Surplus Deficit	3248	2705	635	-59.2	3025	2612	3518	3978	3902	2856	2678	4861	4955	4172
64 1992 Federal Report Surplus Deficit	3526	2792	601	-32.4	843	43.4	959	1763	2322	-899	953	3480	1904	1100
65 1993 Federal Report Surplus Deficit	1415	-152	231	-24.0	1109	543	-759	-638	2041	1052	2273	5005	4525	2042
66 1994 Federal Report Surplus Deficit	1952	983	986	162	1188	727	-96.4	96.0	1438	-454	1748	3677	3686	1688
67 1995 Federal Report Surplus Deficit	1722	-4.41	702	-40.1	633	729	1707	2343	2519	2733	2236	4851	5194	3209
68 1996 Federal Report Surplus Deficit	1928	835	1433	1348	3527	3915	4386	5415	5815	4113	4896	5489	5130	4146
69 1997 Federal Report Surplus Deficit	3467	2791	1129	302	1551	2450	4516	5210	5633	4382	4898	5462	5434	4246
70 1998 Federal Report Surplus Deficit	3315	3596	2272	3127	2654	1562	1903	3152	2379	1504	3047	5436	5414	3378
71 1999 Federal Report Surplus Deficit	2946	1125	606	87.5	747	2315	3928	5137	4965	2685	4154	5069	5486	4340
72 2000 Federal Report Surplus Deficit	3678	3746	1588	335	3319	2840	2755	3206	3521	3843	4638	5179	3502	3190
73 2001 Federal Report Surplus Deficit	2707	103	283	152	883	328	566	458	639	-862	661	2943	57.8	882
74 2002 Federal Report Surplus Deficit	2085	64.6	228	-454	904	871	303	413	1650	1551	4114	4520	5241	3963
75 2003 Federal Report Surplus Deficit	2421	1068	958	260	1126	566	53.3	70.3	3067	1622	2625	4424	5197	1573
76 2004 Federal Report Surplus Deficit	1126	-515	226	13.1	1627	1572	930	-230	1915	916	2235	4327	4017	2363
77 2005 Federal Report Surplus Deficit	1672	794	1703	711	1380	1845	2021	2406	1318	-212	1601	4560	4084	2089

**Federal Report Surplus Deficit By Water Year**

**Operating Year 2020**

**2017 White Book** Report Date: **6/1/2017** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	2192	275	855	138	1554	1504	3094	4128	3457	4182	4671	5420	5211	3087
79 2007 Federal Report Surplus Deficit	1421	365	306	-73.9	1524	1583	2732	2498	4125	3234	2554	4921	4174	3416
80 2008 Federal Report Surplus Deficit	1766	11.5	233	190	1485	737	1113	1038	1883	1159	283	5209	5645	3647
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>1010</b>	<b>-273</b>	<b>640</b>	<b>131</b>	<b>1096</b>	<b>1084</b>	<b>1727</b>	<b>2171</b>	<b>2812</b>	<b>1502</b>	<b>2997</b>	<b>4313</b>	<b>3960</b>	<b>2864</b>
82 <b>Middle 80 pct</b>	<b>2487</b>	<b>1356</b>	<b>957</b>	<b>394</b>	<b>1469</b>	<b>1622</b>	<b>2208</b>	<b>2707</b>	<b>3063</b>	<b>2222</b>	<b>3027</b>	<b>4850</b>	<b>4641</b>	<b>3009</b>
83 <b>Top 10 pct</b>	<b>3574</b>	<b>3547</b>	<b>2334</b>	<b>966</b>	<b>1973</b>	<b>1605</b>	<b>2140</b>	<b>2877</b>	<b>2649</b>	<b>1673</b>	<b>2492</b>	<b>4217</b>	<b>3581</b>	<b>2917</b>

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**Federal Report Surplus Deficit By Water Year**

**Operating Year 2021**

**2017 White Book Report Date: 6/1/2017**

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	2065	1877	603	-116	719	165	152	169	456	-762	1372	2942	2539	-735
2 1930 Federal Report Surplus Deficit	1374	376	486	47.6	827	222	-575	284	467	268	1665	2373	515	1733
3 1931 Federal Report Surplus Deficit	1664	461	250	-55.0	873	384	-925	-774	1391	180	-1197	3166	248	1771
4 1932 Federal Report Surplus Deficit	2000	438	300	-431	362	272	-503	-1524	2345	3560	3982	5176	4655	3279
5 1933 Federal Report Surplus Deficit	2193	1582	1072	-25.3	627	1904	2658	3189	3291	1465	2297	4491	5121	4384
6 1934 Federal Report Surplus Deficit	3272	2926	1191	832	3342	3954	4030	4479	4509	4005	3932	4693	3833	2310
7 1935 Federal Report Surplus Deficit	545	125	-149	-153	288	560	2504	2858	3232	-28.7	2559	4153	3236	3634
8 1936 Federal Report Surplus Deficit	3070	649	253	-172	711	184	-769	32.6	864	355	3688	5177	4503	2253
9 1937 Federal Report Surplus Deficit	1273	151	123	-25.1	932	303	-939	-479	392	-351	-776	3565	1816	796
10 1938 Federal Report Surplus Deficit	1397	-22.8	376	-61.1	732	1169	2049	2752	3576	3097	4369	5041	4153	3428
11 1939 Federal Report Surplus Deficit	615	-246	763	-41.3	573	93.4	1305	1104	1737	1551	3385	4384	1770	2174
12 1940 Federal Report Surplus Deficit	1166	169	278	26.6	1092	1357	757	1011	3698	1799	2860	4232	2344	1427
13 1941 Federal Report Surplus Deficit	1036	-406	268	-297	841	856	-30.4	106	809	-895	822	3576	1876	1802
14 1942 Federal Report Surplus Deficit	1691	308	687	-489	1436	2486	1981	1608	1439	446	2524	4013	3574	3969
15 1943 Federal Report Surplus Deficit	2288	1540	1240	34.9	326	908	2856	3144	3717	4438	4576	4742	5073	4278
16 1944 Federal Report Surplus Deficit	2393	1126	540	-175	740	118	391	304	338	-904	972	2087	-582	394
17 1945 Federal Report Surplus Deficit	1598	-240	202	-279	793	230	-484	-281	389	-658	-1034	4634	4267	199
18 1946 Federal Report Surplus Deficit	1072	156	317	-226	817	1247	1997	2314	3032	3530	4436	5011	4090	3894
19 1947 Federal Report Surplus Deficit	2949	2641	1118	-250	1376	3393	3447	3798	3993	2652	3041	5054	4215	3695
20 1948 Federal Report Surplus Deficit	2175	830	917	2717	2651	2391	3372	3186	3446	2026	3978	5281	5044	4117
21 1949 Federal Report Surplus Deficit	3313	3253	1571	306	1102	1010	1749	1415	4216	2712	4180	5212	4202	638
22 1950 Federal Report Surplus Deficit	443	-549	-294	-182	536	1346	3210	4297	4055	3721	3802	4819	5114	4602
23 1951 Federal Report Surplus Deficit	3314	3175	1447	1072	2942	3496	3939	4849	4852	4046	3922	5025	4228	4216
24 1952 Federal Report Surplus Deficit	3044	1193	1006	2168	2005	2432	3056	3561	3721	3889	4554	5282	4351	3607
25 1953 Federal Report Surplus Deficit	2372	474	-73.3	-97.5	724	215	459	3954	2670	546	2182	4550	5141	4334
26 1954 Federal Report Surplus Deficit	2447	1688	1108	234	1386	1784	2751	4229	3927	2203	3133	5040	4796	4548
27 1955 Federal Report Surplus Deficit	3502	3687	3103	383	2157	1733	877	1546	61.2	-57.5	1819	4311	5091	4526
28 1956 Federal Report Surplus Deficit	3287	2598	879	560	2569	3427	3939	4761	4580	3569	4403	5261	5068	4257
29 1957 Federal Report Surplus Deficit	2970	2846	1113	512	1062	1992	2026	937	3681	3431	2961	5194	5039	3068
30 1958 Federal Report Surplus Deficit	2080	818	497	-67.3	954	828	2473	2529	3392	1715	3541	5135	4801	2764
31 1959 Federal Report Surplus Deficit	2154	592	472	232	2018	3101	3722	4162	4013	3068	3010	4593	4760	4394
32 1960 Federal Report Surplus Deficit	3407	3247	3338	3652	3376	2913	2584	2636	3253	4516	3821	4182	4490	3744
33 1961 Federal Report Surplus Deficit	2816	429	591	178	1243	1253	2384	3176	4255	2475	2443	4937	4869	3007
34 1962 Federal Report Surplus Deficit	2026	1033	500	-236	934	1186	2211	2534	1109	3739	4228	4830	4038	3001
35 1963 Federal Report Surplus Deficit	2462	1258	461	828	2149	2864	2798	2925	2280	421	2114	4518	3911	3516
36 1964 Federal Report Surplus Deficit	2300	939	1302	-202	919	1212	1211	1159	1403	2723	2072	4702	5160	4472
37 1965 Federal Report Surplus Deficit	3277	2932	1879	1112	1833	3528	4193	4872	4448	1897	4349	5082	4267	3670
38 1966 Federal Report Surplus Deficit	3186	2746	572	373	1229	1477	1856	2097	1776	3794	2825	3658	3696	3668

**Federal Report Surplus Deficit By Water Year**

**Operating Year 2021**

**2017 White Book** Report Date: 6/1/2017 *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	2876	729	671	-263	698	2042	3369	3902	3764	1474	94.3	4527	4978	4284
40 1968 Federal Report Surplus Deficit	2879	2237	1193	202	1580	1463	2545	3505	3681	10.3	1567	3444	4449	3903
41 1969 Federal Report Surplus Deficit	3032	2096	2300	1180	2659	2434	3886	4383	3919	3788	4235	5264	4657	3728
42 1970 Federal Report Surplus Deficit	1965	783	844	401	1194	683	2383	2613	2412	789	1939	4566	4876	1801
43 1971 Federal Report Surplus Deficit	1887	470	317	-155	692	1601	4010	4649	4607	3643	3900	5226	5104	4382
44 1972 Federal Report Surplus Deficit	3301	3405	1436	560	1252	1819	3775	4816	4954	4407	3427	5204	4970	4447
45 1973 Federal Report Surplus Deficit	3436	3537	1545	455	1355	1420	2156	1539	1020	-1039	1001	3611	705	1510
46 1974 Federal Report Surplus Deficit	1450	74.8	156	-202	799	2472	4339	4615	4830	4101	4281	5161	5075	4628
47 1975 Federal Report Surplus Deficit	3335	3558	1484	-290	724	826	2576	2947	3538	504	1856	4938	5018	4442
48 1976 Federal Report Surplus Deficit	2747	2241	1654	1370	2913	3906	3744	4347	4294	3980	3841	5246	4556	4344
49 1977 Federal Report Surplus Deficit	3570	3916	3852	594	869	68.5	656	450	80.4	-1059	405	1746	-613	407
50 1978 Federal Report Surplus Deficit	1676	-66.2	-494	-601	740	1633	2159	2626	2649	3757	3010	4718	3598	3652
51 1979 Federal Report Surplus Deficit	1801	353	2112	637	1261	333	728	2006	2680	496	2409	4864	3121	107
52 1980 Federal Report Surplus Deficit	1125	-187	639	-10.6	791	-98.0	1506	349	852	1722	3232	5216	4604	2740
53 1981 Federal Report Surplus Deficit	1420	370	659	-137	1285	2816	3231	3911	2463	-463	1879	4504	4956	4192
54 1982 Federal Report Surplus Deficit	3368	3272	1213	93.4	1614	1435	2988	4866	5046	3655	3523	5088	4936	4603
55 1983 Federal Report Surplus Deficit	3406	3493	2307	1234	1656	2021	3368	4281	4742	2877	2989	4816	4496	4315
56 1984 Federal Report Surplus Deficit	3137	2963	1620	350	3142	2336	3010	3860	3915	4023	4190	4991	4961	4119
57 1985 Federal Report Surplus Deficit	2946	1364	1596	370	1554	1441	1755	1696	2139	2360	3547	4746	2870	1543
58 1986 Federal Report Surplus Deficit	379	-572	398	763	2031	1665	2606	4038	5040	4104	4203	4404	4321	2794
59 1987 Federal Report Surplus Deficit	1993	158	287	-283	1393	1560	917	1164	2296	-172	1871	4594	2948	461
60 1988 Federal Report Surplus Deficit	870	-511	-4.38	-215	613	-114	-104	-998	936	-411	1680	3435	1698	2208
61 1989 Federal Report Surplus Deficit	1644	249	335	-247	951	1011	380	-973	2492	1747	4253	4497	3220	1972
62 1990 Federal Report Surplus Deficit	1015	84.9	234	-31.4	1347	1941	1941	3844	3677	1653	3953	4267	4602	3525
63 1991 Federal Report Surplus Deficit	3053	2241	542	-234	2957	2651	3237	3579	3736	2637	2519	4654	4390	4341
64 1992 Federal Report Surplus Deficit	3416	2561	609	-207	705	-98.3	771	1525	2250	-1050	920	3388	928	1062
65 1993 Federal Report Surplus Deficit	1154	-329	-176	-196	986	401	-798	-812	1973	874	2212	4785	3720	2257
66 1994 Federal Report Surplus Deficit	1599	698	593	-10.2	1070	593	-198	-84.8	1368	-562	1691	3589	2870	1659
67 1995 Federal Report Surplus Deficit	1589	-41.2	336	-212	487	592	1493	2086	2447	2558	2173	4655	4655	3265
68 1996 Federal Report Surplus Deficit	1613	699	1150	1200	3464	4063	4231	4869	5134	3826	4416	5172	4569	4279
69 1997 Federal Report Surplus Deficit	3309	2612	1131	130	1442	2448	4410	4664	5007	3946	4432	5161	4985	4364
70 1998 Federal Report Surplus Deficit	3213	3415	2270	2972	2577	1466	1683	2833	2308	1330	2937	5135	4879	3450
71 1999 Federal Report Surplus Deficit	3058	1669	586	-86.6	600	2300	3770	4479	4674	2578	3896	4829	4941	4449
72 2000 Federal Report Surplus Deficit	3627	3565	1588	164	3254	2899	2522	3032	3305	3609	4141	4910	2646	3254
73 2001 Federal Report Surplus Deficit	2723	-104	18.4	-20.5	747	184	426	227	558	-996	622	2867	-971	836
74 2002 Federal Report Surplus Deficit	1726	-198	-335	-628	770	737	142	228	1614	1424	3822	4351	4779	4075
75 2003 Federal Report Surplus Deficit	1807	1366	492	89.5	1003	425	-58.2	-110	2984	1488	2518	4262	4674	1543
76 2004 Federal Report Surplus Deficit	631	-310	-85.5	-159	1526	1480	753	-406	1846	766	2158	4168	3266	2365
77 2005 Federal Report Surplus Deficit	563	486	1021	548	1266	1780	1605	2423	1291	-407	1556	4380	3361	2078



**Federal Report Surplus Deficit By Water Year**

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**2017 White Book** Report Date: **6/1/2017** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	1783	328	232	-34.5	1448	1407	2820	3722	3357	3916	4252	5106	4743	3133
79 2007 Federal Report Surplus Deficit	1386	-45.9	-192	-248	1414	1491	2494	2218	3940	3012	2471	4698	3433	3494
80 2008 Federal Report Surplus Deficit	1417	-256	-330	20.1	1376	599	905	862	1814	996	223	4916	5170	3740
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>633</b>	<b>-187</b>	<b>235</b>	<b>66.2</b>	<b>1023</b>	<b>1094</b>	<b>1727</b>	<b>2145</b>	<b>2727</b>	<b>1368</b>	<b>2912</b>	<b>4251</b>	<b>3421</b>	<b>2923</b>
82 <b>Middle 80 pct</b>	<b>2256</b>	<b>1147</b>	<b>729</b>	<b>213</b>	<b>1347</b>	<b>1547</b>	<b>1986</b>	<b>2338</b>	<b>2889</b>	<b>1995</b>	<b>2799</b>	<b>4596</b>	<b>4006</b>	<b>3059</b>
83 <b>Top 10 pct</b>	<b>3466</b>	<b>3410</b>	<b>2195</b>	<b>796</b>	<b>1873</b>	<b>1549</b>	<b>1990</b>	<b>2484</b>	<b>2470</b>	<b>1431</b>	<b>2327</b>	<b>4007</b>	<b>2835</b>	<b>2928</b>

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**Federal Report Surplus Deficit By Water Year**

**Operating Year 2022**

**2017 White Book Report Date: 6/1/2017**

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	1983	1767	352	-292	553	4.96	-22.2	49.7	273	-932	1233	2769	3214	-681
2 1930 Federal Report Surplus Deficit	1292	156	240	-132	666	62.5	-708	167	284	76.5	1522	2213	1195	1709
3 1931 Federal Report Surplus Deficit	1563	222	5.87	-235	719	222	-1032	-876	1182	-10.5	-1337	2985	924	1745
4 1932 Federal Report Surplus Deficit	1921	198	56.2	-607	196	111	-628	-1623	2127	3306	3714	4902	5179	3173
5 1933 Federal Report Surplus Deficit	2115	1467	830	-204	460	1721	2362	3109	3011	1096	2140	4249	5640	4207
6 1934 Federal Report Surplus Deficit	3341	2865	944	660	3037	3625	3701	4275	4242	3759	3717	4385	4419	2255
7 1935 Federal Report Surplus Deficit	507	-110	-402	-333	129	398	2194	2656	3003	-218	2394	3957	3885	3502
8 1936 Federal Report Surplus Deficit	3091	455	0.66	-349	546	23.6	-871	-84.0	669	156	3452	4896	5031	2203
9 1937 Federal Report Surplus Deficit	1195	-78.9	-129	-204	775	142	-1054	-586	212	-530	-915	3373	2503	805
10 1938 Federal Report Surplus Deficit	1311	-241	129	-239	566	1001	1810	2568	3340	2828	4106	4732	4713	3312
11 1939 Federal Report Surplus Deficit	581	-416	520	-220	406	-65.9	1084	967	1527	1270	3249	4150	2506	2131
12 1940 Federal Report Surplus Deficit	1092	-62.4	30.6	-154	946	1183	549	878	3456	1570	2690	4020	3021	1414
13 1941 Federal Report Surplus Deficit	845	-620	24.5	-475	683	691	-188	-11.6	614	-1065	688	3373	2561	1771
14 1942 Federal Report Surplus Deficit	1606	73.6	445	-665	1297	2260	1741	1461	1230	252	2358	3793	4195	3806
15 1943 Federal Report Surplus Deficit	2201	1345	996	-145	166	743	2533	2953	3432	4198	4378	4464	5601	4122
16 1944 Federal Report Surplus Deficit	2335	1006	289	-350	574	-41.7	227	142	158	-1072	836	1935	70.2	413
17 1945 Federal Report Surplus Deficit	1456	-463	-43.4	-457	630	68.5	-607	-387	210	-829	-1176	4375	4812	223
18 1946 Federal Report Surplus Deficit	1004	-35.7	64.6	-401	653	1078	1759	2154	2811	3262	4230	4713	4659	3745
19 1947 Federal Report Surplus Deficit	2957	2526	872	-423	1232	3107	3123	3642	3754	2354	2880	4753	4769	3550
20 1948 Federal Report Surplus Deficit	2104	668	669	2491	2504	2190	3054	2972	3227	1715	3741	5010	5552	3957
21 1949 Federal Report Surplus Deficit	3386	3217	1327	126	947	843	1511	1274	3963	2386	3947	4933	4748	649
22 1950 Federal Report Surplus Deficit	412	-749	-563	-357	370	1172	2844	4130	3849	3552	3521	4527	5621	4435
23 1951 Federal Report Surplus Deficit	3385	3131	1200	906	2757	3209	3592	4644	4599	3844	3671	4716	4779	4048
24 1952 Federal Report Surplus Deficit	3057	945	754	1950	1890	2233	2745	3386	3432	3606	4356	5005	4901	3478
25 1953 Federal Report Surplus Deficit	2320	373	-337	-274	559	54.3	279	3720	2450	350	2026	4313	5673	4171
26 1954 Federal Report Surplus Deficit	2510	1573	866	53.4	1243	1605	2460	3986	3652	2003	2968	4725	5281	4399
27 1955 Federal Report Surplus Deficit	3556	3675	3060	203	2047	1551	672	1400	-108	-245	1671	4112	5606	4345
28 1956 Federal Report Surplus Deficit	3359	2512	634	382	2419	3141	3615	4537	4361	3361	4188	4976	5567	4091
29 1957 Federal Report Surplus Deficit	2993	2780	868	333	904	1808	1779	805	3434	3161	2791	4930	5570	2976
30 1958 Federal Report Surplus Deficit	2001	688	253	-245	793	664	2197	2725	2922	1503	3321	4864	5312	2690
31 1959 Federal Report Surplus Deficit	2082	393	226	51.6	1903	2823	3408	3988	3802	2818	2848	4279	5271	4218
32 1960 Federal Report Surplus Deficit	3336	3180	3474	3324	3065	2635	2309	2464	2986	4246	3562	3976	5014	3602
33 1961 Federal Report Surplus Deficit	2800	325	342	-2.56	1094	1083	2094	2958	4005	2204	2331	4651	5376	2911
34 1962 Federal Report Surplus Deficit	1949	834	254	-411	773	1017	1968	2369	908	3491	4010	4575	4616	2914
35 1963 Federal Report Surplus Deficit	2415	1126	211	656	2040	2608	2448	2707	2060	229	1960	4298	4501	3384
36 1964 Federal Report Surplus Deficit	2240	714	1059	-378	758	1043	994	1022	1196	2453	1929	4453	5639	4321
37 1965 Federal Report Surplus Deficit	3347	2872	1639	945	1713	3239	3949	4756	4238	1643	4129	4794	4794	3535
38 1966 Federal Report Surplus Deficit	3241	2636	317	195	1083	1301	1620	1941	1564	3535	2656	3489	4324	3532

**Federal Report Surplus Deficit By Water Year**

**Operating Year 2022**

**2017 White Book** Report Date: 6/1/2017 *Continued*

S149-WB-20171215-145200

120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	2873	514	424	-440	532	1857	3028	3707	3559	1388	-68.3	4239	5469	4119
40 1968 Federal Report Surplus Deficit	2875	2137	951	22.2	1447	1288	2249	3312	3387	-177	1424	3301	4964	3749
41 1969 Federal Report Surplus Deficit	3053	1970	2100	1002	2517	2234	3562	4205	3616	3437	4014	4975	5165	3589
42 1970 Federal Report Surplus Deficit	1880	582	597	222	1043	520	2115	2441	2101	700	1793	4337	5399	1775
43 1971 Federal Report Surplus Deficit	1799	367	65.7	-333	525	1425	3660	4533	4408	3413	3649	4938	5581	4217
44 1972 Federal Report Surplus Deficit	3335	3378	1190	381	1101	1640	3420	4625	4695	4108	3183	4893	5454	4265
45 1973 Federal Report Surplus Deficit	3418	3518	1301	277	1210	1249	1911	1394	821	-1202	866	3411	1388	1491
46 1974 Federal Report Surplus Deficit	1366	-159	-93.9	-381	633	2262	4011	4500	4573	3889	4057	4868	5564	4485
47 1975 Federal Report Surplus Deficit	3409	3541	1240	-462	558	662	2282	2758	3280	351	1725	4641	5552	4290
48 1976 Federal Report Surplus Deficit	2732	2140	1407	1181	2733	3601	3434	4154	4039	3777	3574	4960	5066	4182
49 1977 Federal Report Surplus Deficit	3576	3890	3948	417	707	-92.1	448	324	-91.7	-1217	273	1594	37.3	426
50 1978 Federal Report Surplus Deficit	1483	-295	-764	-774	575	1457	1917	2459	2428	3490	2826	4422	4204	3518
51 1979 Federal Report Surplus Deficit	1710	248	1890	462	1114	172	528	1853	2459	273	2275	4602	3777	133
52 1980 Federal Report Surplus Deficit	1053	-374	394	-190	628	-251	1281	228	658	1502	3039	4926	5109	2668
53 1981 Federal Report Surplus Deficit	1333	231	409	-317	1141	2555	2864	3678	2243	-718	1734	4268	5486	4024
54 1982 Federal Report Surplus Deficit	3428	3230	969	-86.5	1484	1263	2671	4751	4788	3440	3316	4792	5464	4471
55 1983 Federal Report Surplus Deficit	3341	3464	2095	1063	1525	1837	3030	4048	4504	2575	2826	4538	5011	4149
56 1984 Federal Report Surplus Deficit	3188	2904	1376	170	2927	2144	2684	3626	3648	3770	3958	4696	5492	3956
57 1985 Federal Report Surplus Deficit	2962	1248	1353	189	1417	1268	1607	1598	1742	2101	3316	4495	3536	1526
58 1986 Federal Report Surplus Deficit	346	-773	140	589	1917	1487	2315	3750	4805	3876	3943	4139	4846	2719
59 1987 Federal Report Surplus Deficit	1912	-73.1	32.4	-458	1249	1385	711	1027	2077	-518	1826	4337	3604	477
60 1988 Federal Report Surplus Deficit	812	-718	-259	-394	449	-267	-256	-1096	739	-590	1536	3247	2386	2164
61 1989 Federal Report Surplus Deficit	1540	13.0	88.4	-423	791	844	200	-1071	2227	1606	4025	4243	3872	1939
62 1990 Federal Report Surplus Deficit	900	-152	-25.6	-211	1204	1755	1702	3676	3428	1350	3730	4048	5125	3401
63 1991 Federal Report Surplus Deficit	3070	2137	294	-409	2756	2393	2881	3408	3508	2455	2401	4381	4913	4165
64 1992 Federal Report Surplus Deficit	3365	2473	363	-383	539	-257	565	1380	2031	-1207	785	3209	1614	1058
65 1993 Federal Report Surplus Deficit	1079	-540	-432	-375	829	240	-902	-913	1759	678	2058	4505	4346	2211
66 1994 Federal Report Surplus Deficit	1508	581	337	-189	917	429	-345	-199	1161	-780	1561	3393	3543	1638
67 1995 Federal Report Surplus Deficit	1486	-271	93.6	-392	320	430	1267	1935	2227	2281	2015	4379	5170	3160
68 1996 Federal Report Surplus Deficit	1523	461	905	1039	3122	3735	3898	4753	4857	3559	4183	4870	5084	4120
69 1997 Federal Report Surplus Deficit	3215	2497	885	-49.4	1300	2253	4097	4548	4751	3710	4205	4869	5499	4200
70 1998 Federal Report Surplus Deficit	3110	3389	2053	2732	2460	1293	1453	2640	2089	1135	2767	4858	5386	3331
71 1999 Federal Report Surplus Deficit	3076	1440	340	-263	434	2108	3441	4251	4430	2222	3679	4549	5465	4270
72 2000 Federal Report Surplus Deficit	3674	3542	1348	-15.9	3003	2635	2236	2833	3086	3357	3932	4636	3320	3143
73 2001 Federal Report Surplus Deficit	2705	-312	-241	-199	582	24.1	232	106	371	-1162	490	2693	-339	842
74 2002 Federal Report Surplus Deficit	1641	-418	-604	-801	605	574	-24.6	107	1404	1184	3593	4122	5295	3911
75 2003 Federal Report Surplus Deficit	1717	1251	245	-90.6	845	263	-212	-224	2763	1251	2367	4034	5181	1526
76 2004 Federal Report Surplus Deficit	595	-522	-344	-338	1397	1307	554	-514	1632	543	2021	3970	3908	2312
77 2005 Federal Report Surplus Deficit	519	318	768	371	1120	1601	1370	2259	1042	-566	1413	4116	4010	2040

**Federal Report Surplus Deficit By Water Year**

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**2017 White Book** Report Date: **6/1/2017** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	1697	92.2	-24.7	-213	1310	1235	2504	3541	3110	3623	4064	4835	5264	3037
79 2007 Federal Report Surplus Deficit	1305	-269	-459	-424	1273	1318	2217	2059	3679	2743	2306	4439	4071	3372
80 2008 Federal Report Surplus Deficit	1336	-472	-600	-160	1235	437	700	730	1601	790	99.9	4622	5684	3601
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>577</b>	<b>-449</b>	<b>-14.3</b>	<b>-145</b>	<b>809</b>	<b>790</b>	<b>1240</b>	<b>1518</b>	<b>2152</b>	<b>851</b>	<b>2346</b>	<b>3935</b>	<b>3715</b>	<b>2634</b>
82 <b>Middle 80 pct</b>	<b>2209</b>	<b>984</b>	<b>515</b>	<b>91.5</b>	<b>1209</b>	<b>1363</b>	<b>1743</b>	<b>2233</b>	<b>2659</b>	<b>1785</b>	<b>2631</b>	<b>4308</b>	<b>4553</b>	<b>2981</b>
83 <b>Top 10 pct</b>	<b>3479</b>	<b>3468</b>	<b>1799</b>	<b>170</b>	<b>1589</b>	<b>1415</b>	<b>1915</b>	<b>2422</b>	<b>2542</b>	<b>1339</b>	<b>2425</b>	<b>4104</b>	<b>3862</b>	<b>2858</b>

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**Federal Report Surplus Deficit By Water Year**

**Operating Year 2023**

**2017 White Book Report Date: 6/1/2017**

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	2000	1789	253	-424	459	-63.6	-106	-30.6	195	-1052	1121	2733	2263	-762
2 1930 Federal Report Surplus Deficit	1304	192	146	-263	573	-3.83	-800	89.9	206	-51.9	1410	2184	220	1606
3 1931 Federal Report Surplus Deficit	1580	257	-88.6	-365	626	147	-1130	-926	1091	-138	-1436	2947	-55.5	1641
4 1932 Federal Report Surplus Deficit	1938	234	-38.5	-739	101	39.3	-722	-1642	2027	3149	3600	4857	4245	3060
5 1933 Federal Report Surplus Deficit	2131	1493	724	-335	365	1622	2271	3003	2914	957	2028	4204	4701	4095
6 1934 Federal Report Surplus Deficit	3280	2865	839	532	2934	3529	3611	4178	4157	3625	3610	4347	3473	2147
7 1935 Federal Report Surplus Deficit	493	-74.0	-474	-464	30.7	322	2104	2548	2907	-346	2286	3911	2936	3387
8 1936 Federal Report Surplus Deficit	3065	490	-78.8	-481	453	-46.0	-970	-161	584	26.9	3350	4860	4101	2095
9 1937 Federal Report Surplus Deficit	1204	-43.2	-203	-335	683	68.8	-1150	-648	137	-652	-1014	3329	1543	709
10 1938 Federal Report Surplus Deficit	1326	-206	36.5	-371	473	912	1725	2460	3244	2677	3996	4687	3764	3197
11 1939 Federal Report Surplus Deficit	563	-381	416	-351	311	-127	1003	869	1434	1138	3148	4114	1547	2025
12 1940 Federal Report Surplus Deficit	1099	-26.6	-56.9	-284	854	1089	469	783	3361	1429	2581	3980	2068	1313
13 1941 Federal Report Surplus Deficit	841	-586	-70.3	-606	591	607	-274	-90.6	530	-1183	576	3325	1604	1667
14 1942 Federal Report Surplus Deficit	1624	109	339	-797	1205	2159	1656	1357	1138	121	2248	3748	3249	3691
15 1943 Federal Report Surplus Deficit	2213	1371	897	-276	67.8	659	2441	2845	3338	4068	4269	4426	4647	4011
16 1944 Federal Report Surplus Deficit	2344	1037	193	-482	481	-107	146	60.0	82.3	-1190	725	1908	-924	320
17 1945 Federal Report Surplus Deficit	1472	-427	-133	-588	537	-6.65	-701	-447	135	-949	-1273	4329	3871	131
18 1946 Federal Report Surplus Deficit	1005	0.11	-19.3	-533	559	987	1674	2046	2712	3107	4113	4664	3714	3630
19 1947 Federal Report Surplus Deficit	2938	2534	768	-556	1140	3010	3025	3540	3665	2214	2774	4717	3824	3436
20 1948 Federal Report Surplus Deficit	2119	702	563	2362	2408	2089	2957	2865	3131	1585	3643	4962	4645	3843
21 1949 Federal Report Surplus Deficit	3320	3208	1222	-3.12	855	756	1426	1173	3876	2229	3836	4893	3810	554
22 1950 Federal Report Surplus Deficit	392	-723	-596	-490	275	1078	2748	4032	3758	3405	3412	4488	4690	4328
23 1951 Federal Report Surplus Deficit	3322	3125	1101	778	2658	3112	3535	4460	4456	3701	3562	4682	3833	3930
24 1952 Federal Report Surplus Deficit	3035	977	648	1823	1797	2132	2650	3280	3337	3459	4239	4956	3964	3363
25 1953 Federal Report Surplus Deficit	2328	408	-390	-406	466	-15.8	196	3617	2350	219	1916	4270	4723	4061
26 1954 Federal Report Surplus Deficit	2511	1596	760	-76.6	1151	1507	2368	3885	3561	1860	2861	4682	4336	4294
27 1955 Federal Report Surplus Deficit	3467	3660	2945	73.3	1953	1452	591	1297	-170	-371	1561	4071	4684	4245
28 1956 Federal Report Surplus Deficit	3295	2521	528	254	2323	3044	3520	4440	4278	3222	4082	4929	4645	3974
29 1957 Federal Report Surplus Deficit	2966	2781	762	205	812	1709	1692	711	3337	3013	2678	4910	4625	2864
30 1958 Federal Report Surplus Deficit	2018	722	156	-377	700	582	2108	2617	2824	1352	3211	4822	4358	2580
31 1959 Federal Report Surplus Deficit	2098	428	130	-78.4	1810	2724	3311	3889	3714	2675	2740	4237	4330	4110
32 1960 Federal Report Surplus Deficit	3407	3175	3325	3190	2961	2536	2216	2355	2888	4115	3435	3934	4078	3487
33 1961 Federal Report Surplus Deficit	2792	360	242	-133	1002	992	2004	2850	3919	2053	2212	4613	4431	2800
34 1962 Federal Report Surplus Deficit	1966	866	156	-543	681	927	1880	2261	820	3335	3892	4531	3674	2802
35 1963 Federal Report Surplus Deficit	2420	1156	118	528	1946	2507	2354	2598	1962	99.2	1849	4253	3557	3270
36 1964 Federal Report Surplus Deficit	2250	747	958	-510	665	952	914	923	1104	2307	1812	4410	4748	4213
37 1965 Federal Report Surplus Deficit	3285	2871	1548	818	1620	3143	3881	4636	4158	1504	4021	4751	3845	3420
38 1966 Federal Report Surplus Deficit	3193	2641	214	66.0	991	1205	1536	1833	1469	3385	2532	3450	3379	3417

### Federal Report Surplus Deficit By Water Year

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	2860	549	321	-572	438	1757	2931	3606	3468	1252	-176	4206	4563	4010
40 1968 Federal Report Surplus Deficit	2862	2153	848	-107	1355	1192	2159	3206	3295	-306	1313	3257	4017	3633
41 1969 Federal Report Surplus Deficit	3027	1987	1989	875	2420	2132	3467	4108	3523	3259	3883	4932	4226	3474
42 1970 Federal Report Surplus Deficit	1898	616	493	92.3	951	441	2027	2333	2002	567	1682	4297	4452	1671
43 1971 Federal Report Surplus Deficit	1817	402	-23.2	-465	431	1329	3566	4433	4328	3282	3553	4892	4684	4104
44 1972 Federal Report Surplus Deficit	3277	3367	1090	253	1009	1542	3323	4519	4594	3978	3078	4867	4537	4157
45 1973 Federal Report Surplus Deficit	3432	3505	1210	148	1118	1156	1825	1291	734	-1319	754	3370	416	1389
46 1974 Federal Report Surplus Deficit	1380	-123	-182	-512	540	2161	3934	4400	4472	3734	3936	4824	4634	4373
47 1975 Federal Report Surplus Deficit	3341	3527	1143	-595	464	581	2192	2650	3184	220	1613	4603	4595	4192
48 1976 Federal Report Surplus Deficit	2724	2155	1307	1054	2634	3506	3337	4057	3953	3623	3452	4915	4129	4067
49 1977 Federal Report Surplus Deficit	3498	3834	3764	288	614	-163	368	236	-163	-1335	163	1569	-958	333
50 1978 Federal Report Surplus Deficit	1500	-260	-797	-909	481	1361	1830	2351	2329	3345	2715	4380	3260	3402
51 1979 Federal Report Surplus Deficit	1728	283	1776	334	1022	103	447	1747	2360	144	2166	4549	2827	42.7
52 1980 Federal Report Surplus Deficit	1058	-338	293	-321	535	-311	1199	144	574	1356	2931	4893	4176	2558
53 1981 Federal Report Surplus Deficit	1346	266	304	-448	1049	2455	2767	3576	2144	-841	1623	4229	4553	3911
54 1982 Federal Report Surplus Deficit	3368	3224	867	-217	1391	1169	2577	4651	4702	3313	3223	4755	4508	4366
55 1983 Federal Report Surplus Deficit	3293	3453	1980	936	1433	1737	2934	3947	4418	2429	2717	4491	4071	4039
56 1984 Federal Report Surplus Deficit	3143	2902	1283	40.3	2826	2043	2590	3522	3555	3617	3841	4655	4536	3840
57 1985 Federal Report Surplus Deficit	2938	1276	1260	59.8	1325	1174	1523	1493	1645	1949	3206	4445	2586	1424
58 1986 Federal Report Surplus Deficit	317	-746	47.8	461	1824	1390	2226	3646	4720	3740	3837	4095	3906	2609
59 1987 Federal Report Surplus Deficit	1930	-37.4	-52.8	-590	1157	1289	630	928	1978	-642	1714	4294	2655	383
60 1988 Federal Report Surplus Deficit	809	-684	-335	-525	356	-327	-343	-1137	654	-712	1425	3208	1425	2057
61 1989 Federal Report Surplus Deficit	1556	48.7	0.49	-555	698	757	117	-1113	2128	1467	3919	4201	2924	1835
62 1990 Federal Report Surplus Deficit	903	-116	-105	-342	1112	1655	1617	3574	3335	1194	3617	4000	4173	3287
63 1991 Federal Report Surplus Deficit	3046	2154	196	-541	2657	2292	2785	3304	3418	2302	2283	4343	3975	4047
64 1992 Federal Report Surplus Deficit	3423	2483	262	-515	445	-312	485	1277	1932	-1326	673	3168	645	959
65 1993 Federal Report Surplus Deficit	1087	-505	-498	-506	737	168	-1001	-963	1662	545	1948	4456	3401	2104
66 1994 Federal Report Surplus Deficit	1525	616	242	-320	825	349	-433	-272	1069	-900	1450	3349	2593	1536
67 1995 Federal Report Surplus Deficit	1501	-235	-3.58	-522	225	352	1185	1829	2128	2139	1903	4333	4226	3047
68 1996 Federal Report Surplus Deficit	1539	496	801	912	3017	3630	3812	4653	4772	3440	4088	4835	4144	4007
69 1997 Federal Report Surplus Deficit	3177	2507	779	-180	1208	2152	4022	4449	4650	3572	4098	4828	4553	4089
70 1998 Federal Report Surplus Deficit	3073	3377	1940	2602	2364	1199	1371	2532	1990	999	2660	4813	4470	3217
71 1999 Federal Report Surplus Deficit	3052	1467	242	-395	339	2007	3345	4153	4348	2063	3569	4498	4510	4159
72 2000 Federal Report Surplus Deficit	3586	3530	1246	-146	2901	2535	2146	2725	2989	3210	3823	4598	2368	3029
73 2001 Federal Report Surplus Deficit	2699	-277	-307	-331	489	-44.9	151	24.2	291	-1280	380	2659	-1343	746
74 2002 Federal Report Surplus Deficit	1658	-382	-637	-935	512	493	-109	25.6	1310	1039	3487	4077	4353	3798
75 2003 Federal Report Surplus Deficit	1735	1279	149	-221	753	190	-299	-297	2663	1114	2258	3987	4249	1425
76 2004 Federal Report Surplus Deficit	580	-487	-404	-469	1305	1212	473	-578	1536	411	1910	3925	2962	2204
77 2005 Federal Report Surplus Deficit	506	353	663	243	1028	1502	1286	2151	951	-690	1302	4072	3063	1935



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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	1715	128	-102	-345	1218	1141	2411	3437	3014	3463	3940	4794	4319	2923
79 2007 Federal Report Surplus Deficit	1317	-233	-501	-556	1181	1223	2127	1951	3588	2605	2199	4394	3123	3257
80 2008 Federal Report Surplus Deficit	1348	-437	-633	-290	1143	360	619	636	1505	657	-7.67	4585	4752	3486
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>563</b>	<b>-416</b>	<b>-93.9</b>	<b>-275</b>	<b>715</b>	<b>707</b>	<b>1153</b>	<b>1430</b>	<b>2061</b>	<b>720</b>	<b>2237</b>	<b>3892</b>	<b>2767</b>	<b>2526</b>
82 <b>Middle 80 pct</b>	<b>2205</b>	<b>1021</b>	<b>402</b>	<b>-68.7</b>	<b>1117</b>	<b>1300</b>	<b>1690</b>	<b>2169</b>	<b>2622</b>	<b>1695</b>	<b>2572</b>	<b>4305</b>	<b>3655</b>	<b>2873</b>
83 <b>Top 10 pct</b>	<b>3440</b>	<b>3367</b>	<b>1845</b>	<b>278</b>	<b>1481</b>	<b>1119</b>	<b>1550</b>	<b>2060</b>	<b>2012</b>	<b>813</b>	<b>1906</b>	<b>3759</b>	<b>2542</b>	<b>2750</b>

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**Federal Report Surplus Deficit By Water Year**

**Operating Year 2024**

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	1909	1688	130	-512	407	-187	-101	58.2	66.4	-1043	1083	2679	2975	-814
2 1930 Federal Report Surplus Deficit	1228	92.6	22.9	-352	520	-129	-786	176	77.1	-34.5	1372	2123	956	1576
3 1931 Federal Report Surplus Deficit	1498	158	-211	-454	573	30.4	-1110	-867	976	-122	-1487	2895	684	1612
4 1932 Federal Report Surplus Deficit	1848	135	-161	-826	50.0	-80.9	-707	-1614	1921	3195	3564	4812	4939	3040
5 1933 Federal Report Surplus Deficit	2038	1395	602	-423	314	1529	2284	3117	2804	985	1990	4159	5400	4074
6 1934 Federal Report Surplus Deficit	3178	2749	717	441	2892	3432	3623	4284	4035	3648	3567	4295	4179	2122
7 1935 Federal Report Surplus Deficit	434	-174	-594	-552	-16.9	206	2115	2665	2797	-329	2244	3867	3645	3369
8 1936 Federal Report Surplus Deficit	2959	392	-200	-568	401	-168	-950	-75.5	462	45.0	3301	4806	4792	2070
9 1937 Federal Report Surplus Deficit	1131	-144	-323	-424	630	-50.1	-1132	-578	5.81	-641	-1065	3283	2264	672
10 1938 Federal Report Surplus Deficit	1247	-307	-85.9	-459	421	809	1731	2576	3133	2717	3956	4642	4473	3179
11 1939 Federal Report Surplus Deficit	506	-486	293	-440	260	-258	1005	976	1321	1159	3099	4060	2267	1998
12 1940 Federal Report Surplus Deficit	1027	-127	-179	-373	800	991	471	887	3249	1459	2539	3930	2781	1281
13 1941 Federal Report Surplus Deficit	776	-691	-193	-694	538	499	-266	-3.08	408	-1176	537	3283	2322	1638
14 1942 Federal Report Surplus Deficit	1539	9.78	216	-884	1152	2068	1663	1470	1024	141	2208	3703	3956	3673
15 1943 Federal Report Surplus Deficit	2116	1273	776	-364	20.1	551	2454	2961	3226	4087	4228	4374	5361	3989
16 1944 Federal Report Surplus Deficit	2246	940	70.5	-569	429	-234	149	151	-48.4	-1183	686	1845	-169	280
17 1945 Federal Report Surplus Deficit	1390	-531	-256	-676	485	-124	-686	-379	3.59	-940	-1326	4285	4573	89.9
18 1946 Federal Report Surplus Deficit	937	-101	-141	-620	507	886	1680	2162	2604	3151	4080	4623	4420	3612
19 1947 Federal Report Surplus Deficit	2833	2425	645	-642	1086	2915	3044	3651	3547	2243	2730	4663	4530	3417
20 1948 Federal Report Surplus Deficit	2023	605	440	2272	2359	1998	2975	2980	3020	1604	3591	4920	5313	3824
21 1949 Federal Report Surplus Deficit	3219	3085	1102	-92.8	802	651	1432	1282	3756	2275	3797	4843	4508	516
22 1950 Federal Report Surplus Deficit	336	-827	-714	-577	224	980	2765	4139	3643	3441	3371	4437	5382	4302
23 1951 Federal Report Surplus Deficit	3220	3003	980	686	2611	3017	3513	4653	4393	3733	3521	4626	4540	3915
24 1952 Federal Report Surplus Deficit	2929	880	526	1731	1744	2041	2667	3395	3225	3495	4205	4915	4661	3345
25 1953 Federal Report Surplus Deficit	2228	310	-509	-494	414	-138	201	3729	2243	239	1876	4223	5433	4038
26 1954 Federal Report Surplus Deficit	2410	1497	638	-166	1097	1413	2382	3994	3445	1892	2818	4634	5042	4266
27 1955 Federal Report Surplus Deficit	3379	3529	2833	-16.5	1901	1359	593	1409	-315	-357	1521	4022	5367	4212
28 1956 Federal Report Surplus Deficit	3193	2412	405	163	2274	2949	3537	4545	4154	3250	4038	4886	5328	3958
29 1957 Federal Report Surplus Deficit	2860	2666	640	114	759	1616	1700	814	3228	3050	2641	4840	5331	2843
30 1958 Federal Report Surplus Deficit	1927	625	33.3	-465	647	472	2119	2734	2715	1392	3170	4774	5072	2557
31 1959 Federal Report Surplus Deficit	2004	330	7.29	-168	1758	2631	3330	3996	3595	2707	2698	4189	5032	4085
32 1960 Federal Report Surplus Deficit	3305	3055	3206	3104	2920	2443	2230	2472	2779	4135	3411	3886	4775	3469
33 1961 Federal Report Surplus Deficit	2689	262	119	-222	948	891	2015	2967	3799	2093	2180	4561	5137	2778
34 1962 Federal Report Surplus Deficit	1873	769	32.9	-630	628	825	1889	2377	702	3380	3859	4485	4377	2781
35 1963 Federal Report Surplus Deficit	2320	1059	-4.19	437	1894	2415	2370	2715	1854	118	1810	4207	4262	3251
36 1964 Federal Report Surplus Deficit	2153	650	837	-597	612	850	916	1030	989	2342	1779	4363	5399	4188
37 1965 Federal Report Surplus Deficit	3183	2754	1431	725	1567	3047	3871	4765	4032	1532	3979	4703	4555	3402
38 1966 Federal Report Surplus Deficit	3088	2529	90.5	-24.6	938	1109	1541	1949	1357	3424	2506	3399	4084	3399

**Federal Report Surplus Deficit By Water Year**

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	2756	451	198	-659	387	1665	2949	3715	3352	1277	-218	4149	5229	3986
40 1968 Federal Report Surplus Deficit	2757	2049	726	-197	1302	1096	2171	3321	3181	-288	1274	3211	4725	3616
41 1969 Federal Report Surplus Deficit	2921	1883	1877	783	2372	2042	3483	4213	3410	3326	3864	4885	4926	3456
42 1970 Federal Report Surplus Deficit	1808	519	370	2.39	898	328	2037	2450	1894	589	1642	4247	5160	1642
43 1971 Federal Report Surplus Deficit	1729	304	-145	-552	380	1233	3582	4542	4202	3302	3499	4848	5342	4084
44 1972 Federal Report Surplus Deficit	3174	3241	968	162	956	1448	3341	4629	4483	3997	3033	4803	5214	4132
45 1973 Federal Report Surplus Deficit	3335	3376	1090	57.4	1065	1057	1833	1402	614	-1313	715	3321	1149	1358
46 1974 Federal Report Surplus Deficit	1302	-224	-304	-600	488	2070	3933	4508	4361	3778	3907	4777	5325	4352
47 1975 Federal Report Surplus Deficit	3240	3398	1023	-681	412	470	2203	2767	3073	240	1574	4551	5312	4157
48 1976 Federal Report Surplus Deficit	2620	2050	1188	962	2587	3409	3355	4163	3833	3666	3424	4870	4827	4049
49 1977 Federal Report Surplus Deficit	3414	3757	3639	197	561	-284	370	333	-298	-1328	122	1504	-202	293
50 1978 Federal Report Surplus Deficit	1418	-362	-915	-994	430	1265	1838	2468	2221	3379	2676	4332	3965	3385
51 1979 Federal Report Surplus Deficit	1643	185	1662	243	968	-19.8	449	1862	2253	162	2124	4512	3538	0.46
52 1980 Federal Report Surplus Deficit	987	-442	170	-409	483	-443	1202	236	452	1391	2889	4836	4869	2535
53 1981 Federal Report Surplus Deficit	1269	167	181	-536	996	2363	2785	3686	2036	-829	1584	4178	5247	3891
54 1982 Federal Report Surplus Deficit	3265	3102	745	-306	1338	1071	2592	4759	4581	3329	3166	4702	5225	4338
55 1983 Federal Report Surplus Deficit	3189	3328	1867	843	1380	1645	2952	4057	4298	2464	2676	4448	4772	4016
56 1984 Federal Report Surplus Deficit	3038	2785	1163	-49.3	2781	1952	2605	3634	3442	3659	3807	4606	5253	3823
57 1985 Federal Report Surplus Deficit	2833	1179	1140	-29.7	1272	1076	1529	1606	1535	1990	3166	4405	3296	1393
58 1986 Federal Report Surplus Deficit	266	-851	-74.7	369	1772	1295	2237	3759	4598	3765	3793	4049	4607	2586
59 1987 Federal Report Surplus Deficit	1841	-139	-175	-677	1104	1193	632	1035	1870	-629	1676	4247	3364	344
60 1988 Federal Report Surplus Deficit	744	-792	-456	-613	303	-459	-334	-1088	533	-701	1386	3156	2146	2031
61 1989 Federal Report Surplus Deficit	1474	-51.3	-122	-642	645	652	121	-1063	2021	1495	3875	4153	3633	1806
62 1990 Federal Report Surplus Deficit	834	-218	-226	-430	1059	1563	1624	3684	3222	1239	3579	3958	4885	3268
63 1991 Federal Report Surplus Deficit	2941	2050	73.6	-628	2611	2201	2803	3417	3302	2344	2251	4291	4673	4032
64 1992 Federal Report Surplus Deficit	3321	2374	139	-602	394	-449	487	1388	1824	-1318	634	3119	1374	925
65 1993 Federal Report Surplus Deficit	1015	-609	-619	-595	684	48.0	-981	-905	1552	567	1908	4415	4107	2078
66 1994 Federal Report Surplus Deficit	1442	518	119	-408	772	237	-423	-190	954	-891	1410	3302	3304	1505
67 1995 Federal Report Surplus Deficit	1421	-337	-126	-611	175	238	1188	1943	2021	2170	1864	4289	4931	3027
68 1996 Federal Report Surplus Deficit	1458	398	678	820	2977	3543	3820	4761	4651	3448	4033	4780	4845	3986
69 1997 Federal Report Surplus Deficit	3072	2398	657	-269	1155	2061	4019	4557	4539	3599	4055	4779	5260	4067
70 1998 Federal Report Surplus Deficit	2967	3251	1827	2513	2315	1101	1374	2649	1883	1024	2617	4768	5147	3198
71 1999 Federal Report Surplus Deficit	2946	1368	120	-482	288	1916	3363	4260	4223	2111	3529	4459	5226	4137
72 2000 Federal Report Surplus Deficit	3498	3402	1126	-235	2858	2443	2157	2841	2880	3246	3782	4546	3080	3010
73 2001 Federal Report Surplus Deficit	2596	-380	-427	-419	437	-168	154	115	165	-1273	340	2603	-578	709
74 2002 Federal Report Surplus Deficit	1574	-487	-755	-1020	460	382	-103	116	1197	1073	3443	4032	5055	3778
75 2003 Federal Report Surplus Deficit	1650	1182	26.3	-310	700	71.3	-291	-215	2556	1140	2216	3944	4942	1393
76 2004 Federal Report Surplus Deficit	522	-593	-523	-557	1251	1115	475	-506	1425	432	1871	3880	3669	2179
77 2005 Federal Report Surplus Deficit	446	255	541	152	974	1409	1291	2268	835	-677	1263	4026	3771	1907

**Federal Report Surplus Deficit By Water Year**

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	1630	27.8	-223	-433	1164	1043	2425	3550	2903	3512	3914	4744	5024	2904
79 2007 Federal Report Surplus Deficit	1241	-336	-619	-643	1128	1125	2139	2068	3473	2632	2156	4349	3832	3239
80 2008 Federal Report Surplus Deficit	1271	-542	-751	-379	1089	245	621	739	1395	679	-50.3	4532	5445	3468
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>504</b>	<b>-520</b>	<b>-215</b>	<b>-364</b>	<b>663</b>	<b>598</b>	<b>1161</b>	<b>1526</b>	<b>1945</b>	<b>739</b>	<b>2195</b>	<b>3845</b>	<b>3476</b>	<b>2501</b>
82 <b>Middle 80 pct</b>	<b>2113</b>	<b>917</b>	<b>281</b>	<b>-158</b>	<b>1065</b>	<b>1197</b>	<b>1700</b>	<b>2274</b>	<b>2507</b>	<b>1724</b>	<b>2532</b>	<b>4257</b>	<b>4359</b>	<b>2849</b>
83 <b>Top 10 pct</b>	<b>3345</b>	<b>3249</b>	<b>1725</b>	<b>190</b>	<b>1431</b>	<b>1014</b>	<b>1558</b>	<b>2171</b>	<b>1892</b>	<b>830</b>	<b>1866</b>	<b>3706</b>	<b>3260</b>	<b>2720</b>

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**Federal Report Surplus Deficit By Water Year**

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	1913	1655	3.97	-590	333	-211	-176	-184	11.5	-1083	1020	2630	2063	-838
2 1930 Federal Report Surplus Deficit	1216	58.3	-103	-428	447	-151	-870	-63.6	21.8	-83.0	1308	2081	19.7	1530
3 1931 Federal Report Surplus Deficit	1492	123	-338	-531	501	-0.86	-1200	-1080	907	-169	-1538	2844	-256	1565
4 1932 Federal Report Surplus Deficit	1851	100	-288	-905	-25.1	-108	-792	-1795	1844	3118	3498	4754	4045	2984
5 1933 Federal Report Surplus Deficit	2044	1360	475	-500	240	1474	2200	2849	2730	926	1926	4101	4501	4019
6 1934 Federal Report Surplus Deficit	3193	2731	590	367	2808	3382	3540	4025	3973	3594	3508	4244	3273	2071
7 1935 Federal Report Surplus Deficit	406	-208	-723	-629	-95.1	175	2033	2395	2723	-377	2184	3807	2736	3311
8 1936 Federal Report Surplus Deficit	2977	357	-328	-646	327	-194	-1041	-315	400	-4.23	3248	4757	3901	2019
9 1937 Federal Report Surplus Deficit	1117	-177	-452	-501	557	-78.7	-1220	-802	-46.6	-683	-1116	3225	1342	633
10 1938 Federal Report Surplus Deficit	1238	-339	-212	-536	347	764	1654	2306	3061	2646	3895	4583	3564	3121
11 1939 Federal Report Surplus Deficit	475	-514	167	-517	185	-275	933	716	1250	1107	3047	4011	1347	1949
12 1940 Federal Report Surplus Deficit	1012	-160	-306	-449	728	941	398	629	3177	1398	2479	3876	1868	1237
13 1941 Federal Report Surplus Deficit	753	-719	-319	-772	465	459	-345	-244	346	-1215	474	3222	1404	1591
14 1942 Federal Report Surplus Deficit	1537	-24.4	90.0	-962	1079	2012	1586	1204	954	89.6	2147	3644	3049	3615
15 1943 Federal Report Surplus Deficit	2125	1238	648	-441	-58.0	512	2370	2691	3154	4037	4167	4323	4447	3934
16 1944 Federal Report Surplus Deficit	2257	903	-55.8	-648	355	-255	75.4	-93.5	-101	-1221	623	1804	-1124	244
17 1945 Federal Report Surplus Deficit	1385	-561	-382	-754	411	-154	-772	-601	-48.4	-980	-1375	4225	3670	55.2
18 1946 Federal Report Surplus Deficit	918	-133	-268	-699	434	840	1604	1892	2528	3076	4012	4561	3514	3554
19 1947 Federal Report Surplus Deficit	2851	2401	519	-721	1014	2863	2955	3386	3481	2183	2672	4613	3623	3360
20 1948 Federal Report Surplus Deficit	2031	569	314	2197	2282	1941	2887	2711	2947	1554	3541	4858	4444	3767
21 1949 Federal Report Surplus Deficit	3233	3075	973	-168	729	609	1355	1019	3692	2198	3735	4789	3609	478
22 1950 Federal Report Surplus Deficit	304	-856	-845	-655	149	930	2678	3879	3575	3374	3310	4385	4490	4252
23 1951 Federal Report Surplus Deficit	3234	2991	852	613	2532	2964	3465	4306	4272	3670	3460	4578	3633	3854
24 1952 Federal Report Surplus Deficit	2947	843	399	1657	1671	1984	2580	3127	3154	3427	4137	4853	3764	3286
25 1953 Federal Report Surplus Deficit	2240	275	-639	-571	340	-163	126	3463	2166	188	1815	4166	4523	3985
26 1954 Federal Report Surplus Deficit	2424	1463	511	-242	1025	1359	2298	3731	3377	1829	2759	4578	4136	4218
27 1955 Federal Report Surplus Deficit	3380	3526	2696	-92.0	1827	1305	521	1143	-354	-402	1460	3968	4484	4169
28 1956 Federal Report Surplus Deficit	3207	2388	279	88.4	2197	2897	3450	4287	4095	3191	3980	4826	4445	3898
29 1957 Federal Report Surplus Deficit	2878	2648	513	39.4	686	1561	1622	557	3154	2982	2576	4807	4425	2788
30 1958 Federal Report Surplus Deficit	1931	588	-92.9	-542	574	435	2038	2463	2640	1321	3109	4718	4158	2504
31 1959 Federal Report Surplus Deficit	2010	294	-119	-244	1684	2576	3241	3736	3530	2643	2638	4133	4130	4034
32 1960 Federal Report Surplus Deficit	3319	3042	3076	3025	2835	2389	2145	2202	2704	4084	3333	3831	3878	3411
33 1961 Federal Report Surplus Deficit	2705	227	-7.21	-298	876	844	1934	2697	3736	2022	2110	4510	4231	2724
34 1962 Federal Report Surplus Deficit	1878	733	-93.2	-709	555	780	1810	2107	637	3304	3790	4427	3473	2726
35 1963 Federal Report Surplus Deficit	2333	1022	-131	363	1820	2360	2284	2445	1778	68.1	1748	4150	3357	3194
36 1964 Federal Report Surplus Deficit	2163	614	709	-676	539	804	843	769	921	2276	1710	4307	4547	4137
37 1965 Federal Report Surplus Deficit	3198	2737	1299	652	1494	2995	3811	4483	3975	1472	3919	4648	3645	3344
38 1966 Federal Report Surplus Deficit	3106	2507	-35.4	-99.2	865	1058	1466	1680	1285	3354	2430	3346	3179	3341

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	2773	415	71.8	-737	312	1609	2861	3452	3284	1221	-277	4103	4363	3934
40 1968 Federal Report Surplus Deficit	2774	2020	599	-272	1229	1044	2089	3053	3111	-337	1211	3154	3817	3557
41 1969 Federal Report Surplus Deficit	2939	1853	1740	710	2295	1985	3396	3954	3339	3228	3781	4829	4026	3398
42 1970 Federal Report Surplus Deficit	1810	483	244	-72.9	826	293	1957	2180	1818	536	1580	4194	4251	1595
43 1971 Federal Report Surplus Deficit	1729	268	-272	-630	305	1182	3496	4280	4144	3251	3452	4788	4484	4028
44 1972 Federal Report Surplus Deficit	3190	3233	841	87.5	883	1394	3252	4361	4405	3947	2976	4764	4337	4081
45 1973 Federal Report Surplus Deficit	3345	3371	961	-17.5	992	1008	1754	1137	550	-1350	652	3267	216	1313
46 1974 Federal Report Surplus Deficit	1293	-256	-431	-677	414	2014	3863	4246	4284	3703	3834	4720	4434	4297
47 1975 Federal Report Surplus Deficit	3253	3393	894	-760	338	433	2121	2497	3000	189	1511	4499	4395	4115
48 1976 Federal Report Surplus Deficit	2637	2021	1058	889	2508	3359	3266	3903	3769	3592	3350	4812	3929	3990
49 1977 Federal Report Surplus Deficit	3410	3701	3515	123	488	-310	297	82.1	-346	-1366	61.3	1465	-1158	257
50 1978 Federal Report Surplus Deficit	1413	-393	-1046	-1074	356	1213	1760	2198	2145	3314	2613	4276	3059	3326
51 1979 Federal Report Surplus Deficit	1640	150	1527	169	896	-44.9	376	1593	2176	113	2064	4446	2627	-33.4
52 1980 Federal Report Surplus Deficit	971	-472	44.3	-486	410	-459	1129	-9.76	391	1325	2829	4790	3975	2482
53 1981 Federal Report Surplus Deficit	1259	133	55.4	-613	924	2307	2697	3423	1960	-872	1521	4125	4353	3834
54 1982 Federal Report Surplus Deficit	3280	3090	618	-382	1266	1021	2507	4497	4519	3281	3121	4652	4308	4290
55 1983 Federal Report Surplus Deficit	3206	3320	1731	770	1307	1590	2863	3794	4234	2398	2615	4388	3871	3963
56 1984 Federal Report Surplus Deficit	3056	2769	1034	-125	2701	1895	2520	3368	3372	3586	3739	4551	4336	3764
57 1985 Federal Report Surplus Deficit	2851	1143	1011	-105	1199	1026	1452	1339	1461	1918	3105	4342	2386	1348
58 1986 Federal Report Surplus Deficit	229	-880	-201	295	1698	1243	2155	3493	4536	3709	3735	3992	3706	2532
59 1987 Federal Report Surplus Deficit	1842	-171	-302	-755	1031	1142	560	774	1795	-673	1612	4191	2455	307
60 1988 Federal Report Surplus Deficit	722	-818	-584	-691	230	-475	-414	-1291	470	-743	1323	3105	1225	1981
61 1989 Federal Report Surplus Deficit	1469	-84.8	-249	-721	572	609	46.6	-1267	1944	1436	3817	4097	2724	1758
62 1990 Federal Report Surplus Deficit	815	-250	-354	-507	987	1507	1547	3421	3151	1163	3515	3896	3973	3211
63 1991 Federal Report Surplus Deficit	2958	2020	-52.6	-707	2531	2145	2715	3151	3234	2271	2181	4239	3775	3971
64 1992 Federal Report Surplus Deficit	3335	2349	13.0	-680	320	-459	414	1123	1749	-1357	571	3065	445	883
65 1993 Federal Report Surplus Deficit	999	-639	-747	-671	611	20.1	-1072	-1117	1478	514	1846	4352	3200	2028
66 1994 Federal Report Surplus Deficit	1438	482	-7.36	-486	699	201	-504	-426	886	-931	1348	3246	2393	1460
67 1995 Federal Report Surplus Deficit	1413	-369	-253	-688	99.6	204	1115	1675	1945	2108	1801	4229	4026	2971
68 1996 Federal Report Surplus Deficit	1451	362	552	747	2891	3482	3742	4500	4589	3409	3987	4732	3944	3931
69 1997 Federal Report Surplus Deficit	3090	2373	530	-345	1082	2005	3951	4295	4462	3541	3996	4724	4353	4013
70 1998 Federal Report Surplus Deficit	2985	3244	1691	2437	2238	1052	1300	2379	1806	968	2558	4710	4269	3141
71 1999 Federal Report Surplus Deficit	2964	1333	-6.54	-560	213	1860	3274	4000	4164	2032	3467	4395	4309	4083
72 2000 Federal Report Surplus Deficit	3498	3396	997	-312	2775	2387	2076	2571	2806	3179	3722	4495	2168	2953
73 2001 Federal Report Surplus Deficit	2612	-410	-556	-496	363	-192	80.4	-129	107	-1311	278	2556	-1544	670
74 2002 Federal Report Surplus Deficit	1571	-516	-886	-1100	386	346	-180	-128	1126	1008	3385	3973	4153	3722
75 2003 Federal Report Surplus Deficit	1648	1146	-100	-386	627	42.8	-370	-450	2479	1083	2157	3883	4048	1349
76 2004 Federal Report Surplus Deficit	493	-620	-653	-634	1179	1064	403	-731	1352	380	1809	3821	2762	2128
77 2005 Federal Report Surplus Deficit	418	220	414	77.6	902	1355	1215	1998	767	-721	1200	3969	2862	1858



**Federal Report Surplus Deficit By Water Year**

**Operating Year 2025**

**2017 White Book** Report Date: **6/1/2017** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	1627	-5.69	-351	-510	1092	994	2341	3283	2830	3432	3838	4690	4119	2847
79 2007 Federal Report Surplus Deficit	1230	-367	-750	-722	1055	1075	2057	1798	3404	2574	2097	4291	2923	3181
80 2008 Federal Report Surplus Deficit	1261	-571	-882	-455	1017	212	549	482	1322	626	-109	4482	4552	3409
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>475</b>	<b>-549</b>	<b>-343</b>	<b>-440</b>	<b>589</b>	<b>560</b>	<b>1082</b>	<b>1277</b>	<b>1877</b>	<b>689</b>	<b>2135</b>	<b>3789</b>	<b>2566</b>	<b>2450</b>
82 <b>Middle 80 pct</b>	<b>2118</b>	<b>887</b>	<b>153</b>	<b>-234</b>	<b>991</b>	<b>1152</b>	<b>1620</b>	<b>2016</b>	<b>2438</b>	<b>1664</b>	<b>2470</b>	<b>4202</b>	<b>3455</b>	<b>2797</b>
83 <b>Top 10 pct</b>	<b>3353</b>	<b>3234</b>	<b>1596</b>	<b>113</b>	<b>1355</b>	<b>972</b>	<b>1480</b>	<b>1907</b>	<b>1828</b>	<b>782</b>	<b>1804</b>	<b>3655</b>	<b>2342</b>	<b>2674</b>

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**Federal Report Surplus Deficit By Water Year**

**Operating Year 2026**

**2017 White Book Report Date: 6/1/2017**

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	1768	1551	35.7	-585	261	-151	-152	-175	-1.72	-1095	1048	2596	2977	-836
2 1930 Federal Report Surplus Deficit	1086	-45.1	-71.4	-425	374	-93.4	-837	-57.6	8.99	-85.9	1338	2040	957	1554
3 1931 Federal Report Surplus Deficit	1357	20.3	-306	-528	427	66.5	-1161	-1101	908	-173	-1521	2812	686	1590
4 1932 Federal Report Surplus Deficit	1707	-2.97	-255	-900	-96.1	-44.8	-757	-1848	1852	3143	3530	4729	4941	3018
5 1933 Federal Report Surplus Deficit	1897	1257	507	-497	168	1565	2233	2884	2736	933	1956	4076	5402	4052
6 1934 Federal Report Surplus Deficit	3037	2611	622	367	2746	3469	3572	4050	3967	3597	3533	4212	4181	2100
7 1935 Federal Report Surplus Deficit	292	-312	-689	-626	-163	242	2064	2431	2729	-380	2210	3784	3647	3346
8 1936 Federal Report Surplus Deficit	2818	255	-295	-642	254	-132	-1001	-309	394	-6.42	3267	4724	4793	2048
9 1937 Federal Report Surplus Deficit	990	-282	-418	-497	484	-14.0	-1183	-811	-62.3	-692	-1099	3200	2265	650
10 1938 Federal Report Surplus Deficit	1106	-445	-180	-532	275	845	1680	2343	3065	2666	3922	4559	4475	3156
11 1939 Federal Report Surplus Deficit	365	-623	199	-513	114	-222	955	743	1253	1108	3065	3978	2268	1976
12 1940 Federal Report Surplus Deficit	886	-265	-273	-446	654	1028	420	654	3181	1408	2505	3847	2783	1259
13 1941 Federal Report Surplus Deficit	635	-829	-287	-768	392	535	-317	-236	339	-1227	503	3200	2323	1616
14 1942 Federal Report Surplus Deficit	1397	-128	122	-957	1005	2104	1612	1237	956	89.1	2174	3620	3958	3651
15 1943 Federal Report Surplus Deficit	1975	1135	681	-438	-126	587	2404	2728	3157	4036	4194	4291	5363	3967
16 1944 Federal Report Surplus Deficit	2105	802	-23.8	-643	283	-198	97.9	-82.3	-117	-1234	652	1762	-168	258
17 1945 Federal Report Surplus Deficit	1249	-669	-350	-749	338	-87.5	-737	-612	-64.5	-992	-1361	4202	4574	67.7
18 1946 Federal Report Surplus Deficit	796	-239	-235	-694	361	922	1629	1929	2536	3099	4045	4540	4421	3589
19 1947 Federal Report Surplus Deficit	2692	2287	551	-716	940	2951	2993	3417	3479	2192	2696	4580	4531	3395
20 1948 Federal Report Surplus Deficit	1882	467	346	2198	2213	2034	2925	2747	2952	1553	3556	4837	5314	3802
21 1949 Federal Report Surplus Deficit	3078	2947	1008	-166	655	687	1381	1049	3688	2223	3763	4760	4510	494
22 1950 Federal Report Surplus Deficit	194	-965	-808	-650	78.3	1016	2714	3906	3575	3390	3337	4355	5383	4280
23 1951 Federal Report Surplus Deficit	3079	2866	886	613	2465	3053	3463	4419	4325	3681	3487	4543	4541	3893
24 1952 Federal Report Surplus Deficit	2788	742	431	1657	1598	2077	2616	3162	3157	3443	4171	4832	4663	3322
25 1953 Federal Report Surplus Deficit	2087	172	-603	-567	267	-102	150	3496	2175	187	1841	4140	5435	4015
26 1954 Federal Report Surplus Deficit	2269	1359	543	-239	951	1449	2331	3761	3377	1840	2784	4552	5043	4243
27 1955 Federal Report Surplus Deficit	3238	3391	2739	-90.1	1755	1395	542	1176	-383	-408	1487	3939	5369	4190
28 1956 Federal Report Surplus Deficit	3052	2275	311	89.4	2127	2985	3486	4312	4086	3199	4004	4804	5329	3936
29 1957 Federal Report Surplus Deficit	2719	2528	546	40.6	613	1653	1650	581	3159	2999	2606	4757	5332	2821
30 1958 Federal Report Surplus Deficit	1786	487	-61.0	-538	501	508	2068	2500	2647	1341	3136	4691	5074	2535
31 1959 Federal Report Surplus Deficit	1863	192	-87.0	-241	1612	2667	3279	3763	3527	2655	2664	4106	5033	4063
32 1960 Federal Report Surplus Deficit	3163	2918	3112	3031	2773	2480	2179	2239	2711	4084	3377	3803	4777	3447
33 1961 Federal Report Surplus Deficit	2547	124	24.5	-295	802	927	1964	2733	3731	2042	2146	4478	5138	2756
34 1962 Federal Report Surplus Deficit	1732	631	-61.4	-704	482	861	1838	2144	634	3329	3825	4402	4378	2758
35 1963 Federal Report Surplus Deficit	2179	921	-98.5	363	1748	2452	2319	2482	1786	66.2	1776	4125	4263	3229
36 1964 Federal Report Surplus Deficit	2012	513	743	-671	466	887	865	797	921	2291	1744	4281	5401	4166
37 1965 Federal Report Surplus Deficit	3042	2616	1336	652	1421	3083	3820	4531	3964	1481	3945	4621	4556	3380
38 1966 Federal Report Surplus Deficit	2947	2391	-3.81	-98.2	791	1145	1491	1716	1289	3373	2472	3316	4086	3377

**Federal Report Surplus Deficit By Water Year**

**Operating Year 2026**

**2017 White Book** Report Date: 6/1/2017 *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	2614	313	103	-733	240	1701	2898	3482	3284	1226	-253	4066	5231	3964
40 1968 Federal Report Surplus Deficit	2616	1912	632	-271	1156	1132	2120	3087	3113	-340	1240	3128	4726	3594
41 1969 Federal Report Surplus Deficit	2780	1745	1783	709	2226	2078	3432	3980	3342	3275	3830	4802	4927	3433
42 1970 Federal Report Surplus Deficit	1667	381	276	-71.2	752	364	1986	2217	1826	537	1608	4164	5162	1620
43 1971 Federal Report Surplus Deficit	1588	166	-240	-626	233	1269	3531	4309	4134	3250	3465	4765	5344	4062
44 1972 Federal Report Surplus Deficit	3033	3103	874	88.6	810	1484	3290	4406	4427	3945	2998	4720	5216	4110
45 1973 Federal Report Surplus Deficit	3194	3238	995	-16.2	918	1093	1782	1169	546	-1364	681	3238	1150	1336
46 1974 Federal Report Surplus Deficit	1161	-361	-398	-674	342	2106	3882	4275	4305	3726	3873	4695	5326	4330
47 1975 Federal Report Surplus Deficit	3099	3260	928	-755	266	506	2152	2533	3005	189	1540	4468	5314	4135
48 1976 Federal Report Surplus Deficit	2479	1912	1094	888	2441	3445	3304	3929	3765	3614	3390	4787	4828	4027
49 1977 Federal Report Surplus Deficit	3273	3620	3545	124	415	-248	319	99.3	-366	-1379	88.3	1421	-201	271
50 1978 Federal Report Surplus Deficit	1276	-499	-1009	-1067	283	1301	1787	2235	2153	3328	2641	4249	3966	3363
51 1979 Federal Report Surplus Deficit	1502	47.2	1568	169	822	16.3	398	1629	2184	111	2090	4429	3540	-21.7
52 1980 Federal Report Surplus Deficit	846	-580	76.0	-483	337	-407	1151	2.83	384	1339	2854	4753	4871	2513
53 1981 Federal Report Surplus Deficit	1128	29.7	87.0	-610	850	2399	2735	3453	1968	-880	1550	4095	5249	3869
54 1982 Federal Report Surplus Deficit	3124	2964	650	-379	1192	1107	2541	4526	4513	3278	3132	4619	5226	4316
55 1983 Federal Report Surplus Deficit	3047	3190	1772	770	1234	1681	2901	3824	4230	2412	2641	4366	4773	3994
56 1984 Federal Report Surplus Deficit	2897	2648	1069	-123	2635	1988	2554	3401	3374	3607	3773	4523	5254	3801
57 1985 Federal Report Surplus Deficit	2692	1041	1046	-103	1125	1112	1478	1373	1467	1939	3131	4322	3298	1371
58 1986 Federal Report Surplus Deficit	125	-989	-169	296	1625	1331	2186	3526	4530	3714	3759	3966	4608	2564
59 1987 Federal Report Surplus Deficit	1699	-276	-269	-750	957	1229	582	802	1802	-680	1641	4164	3366	322
60 1988 Federal Report Surplus Deficit	602	-930	-550	-687	157	-423	-385	-1321	465	-752	1352	3074	2148	2008
61 1989 Federal Report Surplus Deficit	1333	-189	-216	-716	499	688	70.4	-1296	1953	1444	3841	4070	3634	1784
62 1990 Federal Report Surplus Deficit	693	-356	-321	-503	913	1599	1573	3451	3154	1188	3545	3875	4887	3246
63 1991 Federal Report Surplus Deficit	2799	1912	-20.7	-702	2464	2237	2752	3184	3234	2293	2217	4208	4675	4010
64 1992 Federal Report Surplus Deficit	3180	2237	44.6	-675	248	-413	436	1155	1756	-1369	600	3036	1376	903
65 1993 Federal Report Surplus Deficit	873	-747	-713	-668	538	84.1	-1032	-1138	1484	515	1874	4332	4109	2056
66 1994 Federal Report Surplus Deficit	1301	380	24.6	-482	626	273	-474	-424	886	-942	1376	3220	3305	1483
67 1995 Federal Report Surplus Deficit	1280	-475	-221	-684	28.7	274	1137	1710	1952	2119	1830	4206	4933	3005
68 1996 Federal Report Surplus Deficit	1316	260	584	746	2831	3579	3769	4528	4583	3396	3999	4697	4847	3964
69 1997 Federal Report Surplus Deficit	2930	2261	562	-342	1008	2097	3968	4324	4483	3547	4021	4696	5261	4045
70 1998 Federal Report Surplus Deficit	2826	3113	1732	2440	2169	1138	1323	2415	1814	973	2583	4685	5149	3176
71 1999 Federal Report Surplus Deficit	2805	1231	25.3	-556	142	1952	3312	4026	4155	2059	3495	4376	5227	4115
72 2000 Federal Report Surplus Deficit	3357	3265	1032	-309	2711	2479	2106	2608	2812	3195	3748	4463	3082	2987
73 2001 Federal Report Surplus Deficit	2455	-518	-522	-492	291	-132	103	-118	96.4	-1324	306	2520	-576	687
74 2002 Federal Report Surplus Deficit	1433	-625	-850	-1094	314	418	-154	-117	1129	1021	3408	3949	5057	3756
75 2003 Federal Report Surplus Deficit	1509	1044	-68.1	-383	554	107	-341	-449	2488	1089	2182	3861	4944	1371
76 2004 Federal Report Surplus Deficit	380	-731	-617	-631	1105	1151	425	-739	1357	381	1837	3798	3670	2157
77 2005 Federal Report Surplus Deficit	305	118	447	78.3	828	1445	1240	2035	767	-729	1228	3943	3772	1885

**Federal Report Surplus Deficit By Water Year**  
**Operating Year 2026**  
**2017 White Book** Report Date: **6/1/2017** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	1489	-110	-317	-506	1018	1079	2374	3316	2835	3461	3880	4662	5026	2882
79 2007 Federal Report Surplus Deficit	1100	-474	-713	-717	981	1162	2088	1834	3405	2580	2122	4266	3833	3216
80 2008 Federal Report Surplus Deficit	1130	-680	-845	-453	943	281	570	505	1327	627	-84.5	4449	5446	3446
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>362</b>	<b>-658</b>	<b>-309</b>	<b>-438</b>	<b>517</b>	<b>634</b>	<b>1110</b>	<b>1293</b>	<b>1877</b>	<b>688</b>	<b>2161</b>	<b>3762</b>	<b>3478</b>	<b>2479</b>
82 <b>Middle 80 pct</b>	<b>1972</b>	<b>779</b>	<b>187</b>	<b>-231</b>	<b>919</b>	<b>1233</b>	<b>1649</b>	<b>2041</b>	<b>2440</b>	<b>1673</b>	<b>2498</b>	<b>4174</b>	<b>4360</b>	<b>2827</b>
83 <b>Top 10 pct</b>	<b>3204</b>	<b>3112</b>	<b>1631</b>	<b>116</b>	<b>1285</b>	<b>1050</b>	<b>1507</b>	<b>1938</b>	<b>1824</b>	<b>778</b>	<b>1832</b>	<b>3623</b>	<b>3262</b>	<b>2698</b>

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**Federal Report Surplus Deficit By Water Year**

**Operating Year 2027**

**2017 White Book Report Date: 6/1/2017**

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	1783	1559	74.7	-604	260	-197	-267	-220	26.8	-1139	1029	2560	2090	-869
2 1930 Federal Report Surplus Deficit	1087	-37.7	-32.7	-443	374	-137	-961	-99.5	37.2	-139	1318	2011	46.6	1499
3 1931 Federal Report Surplus Deficit	1363	27.4	-267	-545	427	13.4	-1291	-1116	923	-225	-1528	2773	-229	1535
4 1932 Federal Report Surplus Deficit	1722	4.03	-217	-919	-98.4	-93.9	-883	-1831	1859	3062	3507	4684	4072	2953
5 1933 Federal Report Surplus Deficit	1914	1264	546	-515	166	1489	2110	2813	2746	870	1936	4031	4527	3988
6 1934 Federal Report Surplus Deficit	3064	2635	661	352	2734	3396	3449	3989	3989	3538	3518	4174	3300	2040
7 1935 Federal Report Surplus Deficit	276	-304	-652	-643	-168	189	1943	2359	2738	-433	2194	3737	2763	3280
8 1936 Federal Report Surplus Deficit	2848	261	-257	-661	253	-179	-1132	-350	415	-60.1	3258	4687	3928	1989
9 1937 Federal Report Surplus Deficit	988	-273	-381	-515	484	-64.4	-1311	-838	-31.3	-739	-1106	3155	1369	602
10 1938 Federal Report Surplus Deficit	1109	-435	-142	-551	273	779	1563	2271	3076	2590	3904	4513	3591	3090
11 1939 Federal Report Surplus Deficit	346	-610	238	-531	112	-261	842	680	1266	1051	3056	3941	1374	1918
12 1940 Federal Report Surplus Deficit	882	-256	-235	-464	655	955	307	594	3193	1342	2489	3806	1895	1206
13 1941 Federal Report Surplus Deficit	624	-815	-249	-786	392	474	-436	-280	361	-1270	484	3151	1431	1560
14 1942 Federal Report Surplus Deficit	1407	-120	161	-977	1006	2026	1495	1168	969	33.7	2156	3574	3076	3585
15 1943 Federal Report Surplus Deficit	1996	1142	718	-455	-131	526	2279	2655	3169	3981	4176	4253	4474	3904
16 1944 Federal Report Surplus Deficit	2128	807	14.9	-662	282	-240	-15.5	-129	-86.1	-1277	633	1734	-1097	214
17 1945 Federal Report Surplus Deficit	1255	-657	-312	-768	338	-140	-863	-637	-33.0	-1036	-1365	4155	3697	24.5
18 1946 Federal Report Surplus Deficit	788	-229	-198	-713	360	854	1513	1857	2544	3020	4021	4491	3540	3523
19 1947 Federal Report Surplus Deficit	2721	2305	589	-736	941	2877	2864	3350	3496	2127	2681	4543	3650	3329
20 1948 Federal Report Surplus Deficit	1902	473	385	2182	2208	1956	2796	2675	2963	1498	3551	4788	4471	3737
21 1949 Federal Report Surplus Deficit	3103	2979	1044	-183	656	623	1265	983	3707	2142	3744	4719	3636	447
22 1950 Federal Report Surplus Deficit	175	-952	-774	-670	75.4	944	2587	3843	3590	3318	3319	4315	4517	4221
23 1951 Federal Report Surplus Deficit	3105	2895	923	599	2459	2979	3374	4270	4288	3614	3470	4508	3659	3823
24 1952 Federal Report Surplus Deficit	2818	747	470	1643	1597	1999	2489	3091	3169	3372	4147	4783	3791	3256
25 1953 Federal Report Surplus Deficit	2111	179	-568	-586	267	-149	35.0	3427	2182	132	1824	4096	4550	3954
26 1954 Federal Report Surplus Deficit	2294	1367	582	-256	952	1374	2207	3695	3392	1773	2769	4508	4163	4187
27 1955 Federal Report Surplus Deficit	3250	3430	2767	-107	1754	1319	430	1107	-338	-458	1469	3898	4511	4138
28 1956 Federal Report Surplus Deficit	3078	2292	350	73.7	2124	2911	3359	4251	4110	3135	3990	4756	4471	3867
29 1957 Federal Report Surplus Deficit	2749	2552	584	24.7	613	1576	1531	522	3169	2926	2586	4737	4452	2757
30 1958 Federal Report Surplus Deficit	1801	492	-22.2	-557	501	449	1947	2427	2655	1265	3119	4648	4185	2473
31 1959 Federal Report Surplus Deficit	1881	198	-48.2	-258	1611	2591	3150	3700	3545	2588	2648	4063	4157	4003
32 1960 Federal Report Surplus Deficit	3190	2946	3147	3010	2762	2403	2054	2166	2719	4028	3343	3761	3905	3380
33 1961 Federal Report Surplus Deficit	2575	131	63.5	-313	803	858	1843	2661	3751	1966	2119	4440	4258	2693
34 1962 Federal Report Surplus Deficit	1749	637	-22.5	-723	482	794	1719	2071	652	3248	3800	4357	3500	2695
35 1963 Federal Report Surplus Deficit	2203	926	-60.0	348	1747	2374	2193	2409	1794	12.2	1757	4080	3384	3163
36 1964 Federal Report Surplus Deficit	2034	518	780	-690	466	818	752	733	936	2220	1720	4237	4574	4106
37 1965 Federal Report Surplus Deficit	3069	2641	1369	638	1421	3009	3720	4447	3990	1417	3929	4578	3672	3314
38 1966 Federal Report Surplus Deficit	2976	2411	35.3	-114	792	1072	1375	1644	1300	3298	2440	3276	3206	3310

**Federal Report Surplus Deficit By Water Year**

**Operating Year 2027**

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	2643	319	143	-752	239	1624	2770	3416	3299	1165	-268	4033	4390	3903
40 1968 Federal Report Surplus Deficit	2645	1924	670	-287	1156	1058	1998	3017	3126	-393	1220	3083	3844	3527
41 1969 Federal Report Surplus Deficit	2810	1757	1811	695	2221	1999	3305	3918	3355	3172	3790	4758	4053	3367
42 1970 Federal Report Surplus Deficit	1681	386	315	-87.6	752	307	1866	2144	1833	480	1589	4124	4278	1564
43 1971 Federal Report Surplus Deficit	1600	172	-201	-644	232	1196	3405	4244	4160	3195	3461	4718	4511	3997
44 1972 Federal Report Surplus Deficit	3060	3137	911	72.8	810	1409	3161	4337	4433	3891	2985	4694	4364	4050
45 1973 Federal Report Surplus Deficit	3215	3275	1031	-32.2	919	1022	1663	1101	566	-1406	662	3197	243	1282
46 1974 Federal Report Surplus Deficit	1163	-353	-360	-692	341	2028	3772	4210	4312	3647	3844	4650	4461	4266
47 1975 Federal Report Surplus Deficit	3124	3297	965	-775	265	447	2031	2461	3016	133	1521	4429	4422	4085
48 1976 Federal Report Surplus Deficit	2507	1925	1129	874	2435	3373	3175	3867	3784	3536	3360	4742	3956	3960
49 1977 Federal Report Surplus Deficit	3281	3605	3586	108	415	-296	206	46.1	-331	-1422	70.8	1395	-1131	226
50 1978 Federal Report Surplus Deficit	1283	-489	-975	-1088	282	1228	1669	2162	2161	3258	2622	4206	3086	3296
51 1979 Federal Report Surplus Deficit	1511	53.7	1598	154	823	-30.6	286	1557	2192	56.9	2073	4376	2654	-64.2
52 1980 Federal Report Surplus Deficit	842	-568	115	-501	336	-445	1038	-45.7	406	1269	2839	4720	4002	2451
53 1981 Federal Report Surplus Deficit	1129	36.6	126	-628	850	2321	2606	3387	1976	-928	1530	4055	4380	3804
54 1982 Federal Report Surplus Deficit	3151	2994	688	-397	1192	1036	2416	4461	4534	3226	3130	4582	4335	4259
55 1983 Federal Report Surplus Deficit	3077	3224	1802	756	1234	1604	2772	3758	4249	2342	2624	4318	3898	3932
56 1984 Federal Report Surplus Deficit	2927	2673	1105	-140	2627	1910	2429	3332	3387	3530	3749	4481	4363	3733
57 1985 Federal Report Surplus Deficit	2721	1047	1082	-120	1126	1041	1361	1303	1477	1862	3114	4272	2413	1317
58 1986 Federal Report Surplus Deficit	100.0	-976	-131	281	1625	1257	2064	3457	4551	3653	3745	3922	3733	2502
59 1987 Federal Report Surplus Deficit	1713	-267	-231	-770	958	1156	469	738	1810	-729	1622	4121	2482	276
60 1988 Federal Report Surplus Deficit	592	-914	-513	-705	157	-460	-505	-1327	485	-799	1332	3035	1252	1950
61 1989 Federal Report Surplus Deficit	1340	-181	-178	-735	499	624	-44.4	-1303	1960	1380	3827	4027	2751	1728
62 1990 Federal Report Surplus Deficit	686	-346	-283	-521	913	1521	1456	3385	3167	1107	3525	3826	4000	3180
63 1991 Federal Report Surplus Deficit	2829	1924	18.1	-721	2457	2159	2624	3115	3250	2215	2190	4169	3801	3940
64 1992 Federal Report Surplus Deficit	3206	2253	83.7	-695	246	-445	323	1087	1764	-1413	581	2995	472	852
65 1993 Federal Report Surplus Deficit	870	-735	-677	-686	538	34.3	-1163	-1153	1493	458	1856	4282	3227	1997
66 1994 Federal Report Surplus Deficit	1308	386	63.4	-500	626	216	-595	-462	901	-987	1357	3176	2420	1429
67 1995 Federal Report Surplus Deficit	1284	-465	-182	-702	26.2	219	1024	1639	1960	2052	1811	4159	4052	2940
68 1996 Federal Report Surplus Deficit	1322	266	622	732	2818	3497	3651	4464	4604	3353	3996	4662	3971	3900
69 1997 Federal Report Surplus Deficit	2960	2277	601	-360	1009	2019	3860	4259	4490	3485	4006	4654	4380	3982
70 1998 Federal Report Surplus Deficit	2856	3148	1762	2422	2165	1066	1209	2343	1822	912	2568	4640	4296	3110
71 1999 Federal Report Surplus Deficit	2835	1237	64.2	-575	140	1874	3183	3964	4180	1976	3476	4325	4336	4052
72 2000 Federal Report Surplus Deficit	3369	3300	1067	-326	2702	2402	1985	2535	2821	3123	3731	4425	2195	2922
73 2001 Federal Report Surplus Deficit	2482	-506	-485	-510	290	-178	-10.5	-165	123	-1367	288	2486	-1517	639
74 2002 Federal Report Surplus Deficit	1441	-612	-816	-1115	313	360	-271	-164	1142	952	3395	3903	4180	3691
75 2003 Federal Report Surplus Deficit	1518	1050	-29.3	-401	554	57.1	-461	-486	2495	1027	2166	3813	4075	1318
76 2004 Federal Report Surplus Deficit	363	-717	-582	-649	1105	1079	312	-767	1367	324	1818	3751	2789	2097
77 2005 Federal Report Surplus Deficit	289	124	485	62.9	829	1369	1125	1962	783	-777	1209	3899	2889	1828



**Federal Report Surplus Deficit By Water Year**

**Operating Year 2027**

**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	1498	-102	-280	-524	1019	1008	2250	3247	2846	3376	3848	4620	4146	2817
79 2007 Federal Report Surplus Deficit	1100	-463	-679	-736	982	1089	1966	1762	3419	2518	2107	4221	2950	3151
80 2008 Federal Report Surplus Deficit	1131	-667	-811	-470	944	227	458	446	1337	570	-99.9	4412	4579	3379
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>346</b>	<b>-645</b>	<b>-272</b>	<b>-455</b>	<b>516</b>	<b>574</b>	<b>991</b>	<b>1241</b>	<b>1893</b>	<b>633</b>	<b>2145</b>	<b>3719</b>	<b>2593</b>	<b>2420</b>
82 <b>Middle 80 pct</b>	<b>1989</b>	<b>791</b>	<b>224</b>	<b>-249</b>	<b>918</b>	<b>1167</b>	<b>1529</b>	<b>1980</b>	<b>2454</b>	<b>1608</b>	<b>2480</b>	<b>4132</b>	<b>3482</b>	<b>2766</b>
83 <b>Top 10 pct</b>	<b>3223</b>	<b>3138</b>	<b>1667</b>	<b>98.3</b>	<b>1282</b>	<b>986</b>	<b>1389</b>	<b>1871</b>	<b>1844</b>	<b>726</b>	<b>1813</b>	<b>3585</b>	<b>2369</b>	<b>2643</b>

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**Federal Report Surplus Deficit By Water Year**

**Operating Year 2028**

**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	1737	1536	34.3	-630	350	-216	-251	-102	36.0	-1167	1024	2634	2935	-946
2 1930 Federal Report Surplus Deficit	1055	-59.9	-72.8	-470	463	-158	-937	15.5	46.7	-158	1313	2078	915	1444
3 1931 Federal Report Surplus Deficit	1326	5.57	-307	-573	516	1.61	-1260	-1027	945	-245	-1545	2850	644	1480
4 1932 Federal Report Surplus Deficit	1676	-17.7	-257	-945	-6.78	-110	-857	-1775	1890	3071	3505	4767	4899	2908
5 1933 Federal Report Surplus Deficit	1866	1243	506	-542	258	1500	2134	2957	2774	861	1931	4114	5360	3942
6 1934 Federal Report Surplus Deficit	3005	2596	621	322	2835	3404	3473	4123	4005	3525	3508	4250	4139	1990
7 1935 Federal Report Surplus Deficit	261	-327	-690	-671	-73.8	177	1965	2504	2766	-452	2185	3822	3605	3237
8 1936 Federal Report Surplus Deficit	2787	240	-296	-687	344	-197	-1100	-236	432	-78.6	3243	4762	4751	1938
9 1937 Federal Report Surplus Deficit	958	-297	-419	-542	573	-78.9	-1283	-738	-24.5	-764	-1123	3238	2223	540
10 1938 Federal Report Surplus Deficit	1074	-460	-182	-577	364	780	1581	2416	3103	2593	3898	4597	4433	3047
11 1939 Federal Report Surplus Deficit	333	-638	197	-558	204	-287	855	816	1290	1036	3040	4016	2226	1866
12 1940 Federal Report Surplus Deficit	855	-280	-275	-491	743	963	320	727	3219	1335	2481	3885	2741	1149
13 1941 Federal Report Surplus Deficit	604	-844	-289	-813	481	470	-417	-163	377	-1299	479	3238	2281	1506
14 1942 Federal Report Surplus Deficit	1366	-143	120	-1002	1095	2039	1512	1310	993	16.9	2149	3658	3915	3541
15 1943 Federal Report Surplus Deficit	1944	1120	680	-483	-36.7	522	2304	2801	3195	3963	4170	4329	5321	3857
16 1944 Federal Report Surplus Deficit	2074	787	-25.3	-688	372	-263	-1.53	-9.26	-78.8	-1306	627	1800	-210	148
17 1945 Federal Report Surplus Deficit	1218	-683	-351	-794	428	-152	-836	-539	-26.8	-1064	-1385	4240	4532	-42.2
18 1946 Federal Report Surplus Deficit	765	-254	-237	-739	450	857	1530	2002	2574	3027	4021	4578	4379	3480
19 1947 Federal Report Surplus Deficit	2661	2272	550	-761	1029	2887	2894	3490	3517	2120	2671	4618	4489	3285
20 1948 Federal Report Surplus Deficit	1851	452	344	2153	2302	1969	2825	2820	2990	1481	3532	4875	5272	3692
21 1949 Federal Report Surplus Deficit	3046	2932	1007	-211	745	622	1282	1122	3726	2151	3739	4798	4468	384
22 1950 Federal Report Surplus Deficit	163	-980	-810	-695	168	951	2615	3979	3612	3318	3313	4393	5341	4170
23 1951 Federal Report Surplus Deficit	3048	2851	884	568	2554	2988	3363	4492	4362	3609	3462	4581	4499	3783
24 1952 Federal Report Surplus Deficit	2757	727	430	1612	1687	2012	2516	3235	3195	3371	4147	4870	4621	3212
25 1953 Federal Report Surplus Deficit	2056	158	-604	-612	357	-167	50.3	3569	2213	115	1817	4178	5393	3906
26 1954 Federal Report Surplus Deficit	2237	1344	542	-284	1041	1384	2231	3834	3415	1768	2760	4590	5001	4134
27 1955 Federal Report Surplus Deficit	3207	3377	2738	-135	1845	1330	443	1249	-345	-480	1463	3977	5326	4080
28 1956 Federal Report Surplus Deficit	3021	2260	310	44.5	2217	2920	3387	4385	4124	3126	3979	4842	5287	3826
29 1957 Federal Report Surplus Deficit	2688	2514	544	-4.27	702	1588	1550	654	3197	2927	2582	4795	5290	2711
30 1958 Federal Report Surplus Deficit	1755	472	-62.4	-583	591	444	1969	2573	2685	1268	3112	4729	5032	2425
31 1959 Federal Report Surplus Deficit	1832	177	-88.5	-286	1701	2602	3179	3836	3565	2583	2639	4144	4991	3953
32 1960 Federal Report Surplus Deficit	3132	2903	3111	2986	2863	2415	2080	2312	2749	4012	3353	3841	4735	3337
33 1961 Federal Report Surplus Deficit	2516	109	23.1	-340	892	862	1865	2806	3769	1970	2122	4516	5096	2646
34 1962 Federal Report Surplus Deficit	1701	617	-62.8	-749	571	796	1739	2217	671	3257	3801	4440	4336	2649
35 1963 Federal Report Surplus Deficit	2148	906	-99.9	318	1838	2387	2219	2555	1823	-6.00	1751	4163	4221	3119
36 1964 Federal Report Surplus Deficit	1980	498	741	-716	556	822	765	870	959	2218	1720	4319	5359	4056
37 1965 Federal Report Surplus Deficit	3011	2601	1335	607	1510	3018	3720	4604	4001	1409	3920	4659	4514	3270
38 1966 Federal Report Surplus Deficit	2916	2376	-5.22	-143	881	1080	1391	1789	1327	3301	2447	3354	4044	3267

**Federal Report Surplus Deficit By Water Year**

**Operating Year 2028**

**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	2583	298	102	-778	330	1636	2799	3555	3322	1154	-277	4104	5189	3854
40 1968 Federal Report Surplus Deficit	2585	1897	631	-316	1245	1067	2020	3160	3150	-412	1215	3166	4684	3484
41 1969 Federal Report Surplus Deficit	2749	1730	1781	664	2315	2013	3333	4053	3379	3203	3805	4840	4885	3324
42 1970 Federal Report Surplus Deficit	1636	366	274	-116	841	299	1887	2290	1864	465	1584	4202	5120	1510
43 1971 Federal Report Surplus Deficit	1557	151	-241	-671	323	1205	3432	4382	4171	3178	3441	4803	5302	3952
44 1972 Federal Report Surplus Deficit	3002	3088	873	43.7	899	1419	3191	4476	4463	3873	2974	4758	5174	4000
45 1973 Federal Report Surplus Deficit	3163	3224	994	-61.1	1008	1028	1682	1242	584	-1436	657	3276	1108	1226
46 1974 Federal Report Surplus Deficit	1130	-376	-400	-719	431	2042	3782	4348	4341	3654	3849	4733	5284	4220
47 1975 Federal Report Surplus Deficit	3068	3245	927	-800	355	441	2053	2606	3043	117	1516	4506	5272	4025
48 1976 Federal Report Surplus Deficit	2448	1898	1092	843	2530	3380	3205	4002	3802	3542	3365	4825	4786	3917
49 1977 Federal Report Surplus Deficit	3242	3605	3543	79.0	504	-313	219	172	-329	-1451	64.0	1459	-243	161
50 1978 Federal Report Surplus Deficit	1245	-514	-1010	-1112	373	1237	1688	2308	2191	3256	2617	4287	3924	3253
51 1979 Federal Report Surplus Deficit	1471	32.5	1566	124	912	-48.6	299	1702	2222	38.3	2066	4467	3498	-132
52 1980 Federal Report Surplus Deficit	815	-595	74.6	-528	426	-472	1052	75.8	421	1267	2830	4791	4829	2403
53 1981 Federal Report Surplus Deficit	1096	14.9	85.6	-655	939	2334	2635	3526	2006	-952	1526	4133	5206	3759
54 1982 Federal Report Surplus Deficit	3093	2950	649	-424	1281	1042	2442	4599	4551	3205	3107	4657	5184	4206
55 1983 Federal Report Surplus Deficit	3016	3175	1771	725	1323	1616	2801	3897	4267	2340	2617	4404	4731	3884
56 1984 Federal Report Surplus Deficit	2866	2633	1068	-168	2724	1923	2455	3474	3411	3535	3749	4561	5212	3691
57 1985 Federal Report Surplus Deficit	2660	1026	1045	-148	1215	1047	1378	1446	1505	1866	3107	4360	3256	1261
58 1986 Federal Report Surplus Deficit	93.7	-1004	-170	251	1715	1267	2086	3599	4568	3642	3734	4004	4566	2454
59 1987 Federal Report Surplus Deficit	1668	-291	-270	-795	1047	1164	482	875	1840	-753	1617	4202	3324	212
60 1988 Federal Report Surplus Deficit	571	-944	-552	-732	247	-487	-484	-1248	502	-824	1327	3112	2106	1899
61 1989 Federal Report Surplus Deficit	1301	-204	-217	-761	589	623	-29.1	-1223	1990	1371	3817	4108	3592	1674
62 1990 Federal Report Surplus Deficit	661	-370	-322	-548	1002	1534	1473	3524	3191	1115	3521	3913	4845	3136
63 1991 Federal Report Surplus Deficit	2768	1897	-22.1	-747	2554	2172	2652	3257	3272	2221	2192	4246	4633	3900
64 1992 Federal Report Surplus Deficit	3149	2222	43.2	-720	337	-478	337	1228	1794	-1441	576	3074	1334	793
65 1993 Federal Report Surplus Deficit	842	-762	-714	-713	627	19.2	-1131	-1065	1522	443	1849	4370	4067	1946
66 1994 Federal Report Surplus Deficit	1270	366	23.2	-527	715	208	-574	-351	924	-1014	1352	3258	3263	1373
67 1995 Federal Report Surplus Deficit	1249	-489	-222	-729	118	209	1038	1783	1990	2047	1806	4244	4890	2895
68 1996 Federal Report Surplus Deficit	1285	245	582	701	2920	3514	3669	4601	4620	3324	3974	4735	4805	3854
69 1997 Federal Report Surplus Deficit	2899	2246	561	-387	1098	2032	3868	4397	4519	3475	3997	4734	5219	3935
70 1998 Federal Report Surplus Deficit	2795	3098	1731	2395	2258	1073	1224	2488	1852	901	2558	4723	5107	3066
71 1999 Federal Report Surplus Deficit	2774	1216	23.9	-601	232	1887	3213	4099	4193	1987	3471	4414	5185	4005
72 2000 Federal Report Surplus Deficit	3326	3250	1030	-354	2801	2414	2007	2681	2849	3123	3724	4501	3040	2878
73 2001 Federal Report Surplus Deficit	2424	-532	-523	-537	380	-197	3.26	-45.4	134	-1396	281	2558	-618	577
74 2002 Federal Report Surplus Deficit	1402	-639	-851	-1139	403	353	-253	-44.2	1167	949	3384	3987	5015	3646
75 2003 Federal Report Surplus Deficit	1478	1029	-69.5	-428	643	42.5	-441	-375	2526	1016	2158	3899	4901	1261
76 2004 Federal Report Surplus Deficit	349	-745	-619	-676	1194	1086	325	-666	1395	309	1813	3836	3628	2047
77 2005 Federal Report Surplus Deficit	274	103	445	33.4	918	1380	1141	2108	805	-801	1204	3981	3730	1775

**Federal Report Surplus Deficit By Water Year**

**Operating Year 2028**

**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	1458	-125	-319	-551	1107	1014	2275	3389	2873	3389	3856	4700	4984	2772
79 2007 Federal Report Surplus Deficit	1069	-488	-714	-762	1071	1097	1988	1907	3442	2508	2097	4304	3791	3107
80 2008 Federal Report Surplus Deficit	1099	-695	-846	-498	1033	216	471	578	1365	555	-109	4487	5404	3336
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>331</b>	<b>-672</b>	<b>-311</b>	<b>-483</b>	<b>606</b>	<b>570</b>	<b>1011</b>	<b>1366</b>	<b>1915</b>	<b>616</b>	<b>2137</b>	<b>3800</b>	<b>3435</b>	<b>2369</b>
82 <b>Middle 80 pct</b>	<b>1941</b>	<b>765</b>	<b>185</b>	<b>-276</b>	<b>1008</b>	<b>1168</b>	<b>1549</b>	<b>2114</b>	<b>2477</b>	<b>1600</b>	<b>2474</b>	<b>4212</b>	<b>4318</b>	<b>2717</b>
83 <b>Top 10 pct</b>	<b>3172</b>	<b>3097</b>	<b>1629</b>	<b>71.4</b>	<b>1374</b>	<b>985</b>	<b>1408</b>	<b>2011</b>	<b>1862</b>	<b>706</b>	<b>1807</b>	<b>3661</b>	<b>3219</b>	<b>2588</b>

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

***Monthly 120-Hour Capacity***  
***Operating Year 2019 to 2028***  
***Using 1937-Water Conditions***

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**Regional Report Surplus Deficit By Water Year**

**Operating Year 2019**

**2017 White Book Report Date: 6/1/2017**

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	4756	4259	4597	5046	3957	1862	2125	2488	4420	2436	4094	6397	6118	1465
2 1930 Regional Report Surplus Deficit	2881	1099	4627	4721	3858	1704	625	3214	4192	3304	4973	5814	2632	4594
3 1931 Regional Report Surplus Deficit	3662	1554	4456	4724	3853	1832	1395	785	3484	3088	1252	6623	2350	3538
4 1932 Regional Report Surplus Deficit	2768	1049	3902	4530	3344	1779	249	903	6645	8213	8245	9944	8819	6054
5 1933 Regional Report Surplus Deficit	4560	3338	5669	4892	3262	3924	5652	6895	7805	5343	5241	8396	9478	7435
6 1934 Regional Report Surplus Deficit	5686	5071	5646	6171	7158	7059	8055	8939	9718	9016	7748	8741	7021	4889
7 1935 Regional Report Surplus Deficit	2356	965	4044	4437	2850	1753	5382	6368	7665	3489	5693	8189	7384	6630
8 1936 Regional Report Surplus Deficit	5435	2337	4083	4840	3783	1213	694	2423	4739	3844	7618	10333	8751	5223
9 1937 Regional Report Surplus Deficit	3757	1682	4505	4804	4005	1569	40.7	1374	3786	2588	1995	7159	5789	1858
10 1938 Regional Report Surplus Deficit	3615	1338	4528	4860	3829	3246	4994	6479	8188	7548	8851	9715	8242	6348
11 1939 Regional Report Surplus Deficit	2640	1147	5075	4816	3746	1804	3882	4030	5813	5186	6739	8876	5325	4687
12 1940 Regional Report Surplus Deficit	3548	1466	4932	4754	4064	2104	3792	3984	8912	5650	5968	8554	4950	4211
13 1941 Regional Report Surplus Deficit	1966	26.8	4377	4419	3692	2667	1969	2898	4564	1909	3234	6930	4516	3168
14 1942 Regional Report Surplus Deficit	2427	258	4537	4404	4663	3916	5369	5559	6893	3635	5392	7992	7699	6597
15 1943 Regional Report Surplus Deficit	4074	3019	5897	4841	2998	2538	6074	6960	8404	9946	9046	9259	9421	7438
16 1944 Regional Report Surplus Deficit	5335	3126	4951	4948	4037	1987	2403	3094	4028	2099	3397	4914	1543	1479
17 1945 Regional Report Surplus Deficit	2409	-288	3663	4021	3641	1666	1331	2379	4028	2464	394	8429	7848	2361
18 1946 Regional Report Surplus Deficit	2873	959	4602	4708	4065	3036	4837	5581	7983	8169	8879	9690	8244	7140
19 1947 Regional Report Surplus Deficit	5051	3751	5763	4930	4245	6582	7099	8103	8924	6809	6468	9728	8400	6627
20 1948 Regional Report Surplus Deficit	4678	3031	5069	8690	5972	5104	6903	6867	7930	5921	7955	9942	8838	7296
21 1949 Regional Report Surplus Deficit	5736	5469	6227	5583	3792	3205	4542	5066	8825	7051	8455	10069	8356	3529
22 1950 Regional Report Surplus Deficit	2526	504	4661	4688	3669	2501	6772	8410	9178	8524	7502	8903	9535	7902
23 1951 Regional Report Surplus Deficit	5867	5463	6149	6684	6622	6849	8008	9511	10134	9024	8134	9569	8398	7257
24 1952 Regional Report Surplus Deficit	5449	2989	5577	8199	5140	5164	6531	7573	8153	8792	9097	10115	8677	6708
25 1953 Regional Report Surplus Deficit	4322	2384	4173	4910	3489	1489	4184	6759	7303	4065	5089	9057	9547	7681
26 1954 Regional Report Surplus Deficit	5424	3847	5653	5515	4184	4343	6629	7990	8796	6452	6725	9596	8826	7740
27 1955 Regional Report Surplus Deficit	5921	6088	8317	5670	5157	4143	3750	4201	3933	3355	4246	8078	9452	7729
28 1956 Regional Report Surplus Deficit	5689	4272	5323	5908	5818	6621	7812	8963	9519	8020	8569	9865	9329	7550
29 1957 Regional Report Surplus Deficit	5792	5037	5751	5925	3815	4635	5023	5109	7878	8197	6254	10206	9399	6100
30 1958 Regional Report Surplus Deficit	4188	2563	5064	4747	3930	2159	5677	6585	7771	5728	7562	9937	9081	5617
31 1959 Regional Report Surplus Deficit	4645	2247	4577	5183	4964	6077	7567	8525	9078	7609	6329	9131	8837	7422
32 1960 Regional Report Surplus Deficit	5736	5477	8776	9989	7288	5756	5749	6431	8028	10077	7686	8349	8656	6576
33 1961 Regional Report Surplus Deficit	4921	2273	4629	5302	3980	3541	5477	7392	9238	6544	5703	9360	8546	5614
34 1962 Regional Report Surplus Deficit	4552	2043	4748	4559	3939	2950	5175	6305	5527	8659	8485	9340	7951	5915
35 1963 Regional Report Surplus Deficit	4518	3208	4639	6275	5215	5732	5985	6829	7066	3915	5045	9281	8103	6350
36 1964 Regional Report Surplus Deficit	4201	2517	5848	4770	3676	3535	3905	4611	5730	7050	4926	8864	9512	7709
37 1965 Regional Report Surplus Deficit	5716	5122	6644	6543	4744	6713	7948	9286	9597	5862	8899	9613	8476	6668
38 1966 Regional Report Surplus Deficit	5652	5163	4984	5708	3999	3940	4830	5559	6211	8704	6209	7434	7622	6467

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2019**

**2017 White Book** Report Date: 6/1/2017 *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	5090	2256	4811	4716	3638	4321	6983	8191	8838	5422	2189	8639	9180	7440
40 1968 Regional Report Surplus Deficit	5451	4302	5623	5493	4436	3950	6510	7435	8498	3135	3990	7282	8667	6802
41 1969 Regional Report Surplus Deficit	5299	4010	7167	6803	6051	5160	7388	8749	8891	8649	8494	10047	8886	6772
42 1970 Regional Report Surplus Deficit	4278	2438	5108	5480	4207	2611	5527	6195	7422	4397	4591	9111	9228	4855
43 1971 Regional Report Surplus Deficit	4229	1966	4651	4722	3977	3324	7667	9052	9819	8408	7957	9870	9539	7853
44 1972 Regional Report Surplus Deficit	5922	5989	6215	6091	4200	4410	7603	8996	10181	9942	7074	9862	8965	7611
45 1973 Regional Report Surplus Deficit	5882	6040	6394	5875	4283	3928	5329	4383	5283	1870	3150	6996	3445	3618
46 1974 Regional Report Surplus Deficit	2411	246	4403	4764	3759	4964	8338	9078	9852	8910	8449	9241	9223	7960
47 1975 Regional Report Surplus Deficit	5895	6064	6103	4837	4092	2516	5669	6805	8297	3992	4464	9453	9525	7910
48 1976 Regional Report Surplus Deficit	5518	4907	6424	7113	6441	7329	7736	8487	9504	8972	7744	9896	8916	7510
49 1977 Regional Report Surplus Deficit	6157	6352	9663	5983	4173	1878	2343	3399	4399	1415	2527	4332	953	1488
50 1978 Regional Report Surplus Deficit	2161	-275	3426	3604	3722	3658	5185	6179	7096	8303	6683	9683	7508	6714
51 1979 Regional Report Surplus Deficit	4065	2061	7459	5923	4150	2218	4064	3634	7651	3441	5285	9793	7140	1897
52 1980 Regional Report Surplus Deficit	2819	1179	4931	4762	3759	1519	3734	3862	5246	5467	7003	10347	8840	5798
53 1981 Regional Report Surplus Deficit	2664	1487	5036	4625	3846	5709	7014	8223	7153	2238	4869	8395	8700	7080
54 1982 Regional Report Surplus Deficit	5724	5204	5457	5246	4426	3859	6422	9294	10277	8395	7018	9548	9465	7955
55 1983 Regional Report Surplus Deficit	5890	5908	7266	6947	4646	4670	7086	8687	9933	7423	6212	9375	8910	7557
56 1984 Regional Report Surplus Deficit	5894	4705	6395	5751	6941	5090	6549	8066	8921	9066	8230	9635	9438	7340
57 1985 Regional Report Surplus Deficit	5740	3605	6363	5872	4662	3932	4561	5182	6094	6807	7171	9155	6708	4323
58 1986 Regional Report Surplus Deficit	2558	248	5101	4886	6117	4031	6222	8213	10485	8920	8333	8762	8200	5860
59 1987 Regional Report Surplus Deficit	3811	1608	4548	4548	4279	4065	4179	3452	7027	2952	4558	8872	6319	2816
60 1988 Regional Report Surplus Deficit	2367	221	4092	4547	3490	1412	1852	1368	4657	2795	4526	7582	4799	4744
61 1989 Regional Report Surplus Deficit	3300	1481	4284	4503	4166	2547	2590	2592	6874	5728	8265	8908	7254	4000
62 1990 Regional Report Surplus Deficit	2802	1252	4570	4832	4217	4209	5755	7088	8336	5440	8179	8055	8683	6390
63 1991 Regional Report Surplus Deficit	5347	4493	4787	4700	6400	5256	6645	7634	8519	6783	5351	8824	8443	7225
64 1992 Regional Report Surplus Deficit	5731	4676	4709	5025	3875	1492	3185	3895	6913	1796	2750	6437	2804	1911
65 1993 Regional Report Surplus Deficit	1949	-208	3583	4099	4039	1959	1349	823	5732	3920	5189	9039	7979	4883
66 1994 Regional Report Surplus Deficit	3622	1865	4851	4829	4186	2254	1001	2056	4155	2455	4211	7978	6505	4360
67 1995 Regional Report Surplus Deficit	2786	351	4393	4545	3296	2058	4273	6174	8467	4305	4533	9052	9013	6191
68 1996 Regional Report Surplus Deficit	4029	2079	5565	6294	7545	7226	8270	9604	10446	8751	9129	9999	8874	7388
69 1997 Regional Report Surplus Deficit	5756	4746	5615	5383	4239	5206	8261	9094	10146	8874	8811	9670	8824	7614
70 1998 Regional Report Surplus Deficit	5750	6041	7327	9120	5856	4005	5195	6101	7219	5008	6047	9993	9326	6745
71 1999 Regional Report Surplus Deficit	5222	2733	4693	5067	3377	4892	7550	8917	9858	6785	7792	9176	9418	7738
72 2000 Regional Report Surplus Deficit	6263	6319	6362	5446	6881	5802	5839	6778	7997	8516	8590	9450	6797	6125
73 2001 Regional Report Surplus Deficit	4905	1416	4151	4883	3739	1860	2024	2903	4523	1805	2978	5772	531	2095
74 2002 Regional Report Surplus Deficit	2501	-246	3245	3541	3731	2090	2282	3052	5685	5231	7609	8496	8851	7007
75 2003 Regional Report Surplus Deficit	4390	2486	4748	4798	4109	2002	2248	2388	7484	5158	5517	8419	8591	4227
76 2004 Regional Report Surplus Deficit	2552	120	4081	4537	4473	2791	3471	2929	6507	3880	4786	8334	6720	4903
77 2005 Regional Report Surplus Deficit	3228	1932	6208	5507	3656	3868	4502	5450	5046	1904	4074	8837	7190	5450

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2019**

**2017 White Book** Report Date: **6/1/2017** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	3665	672	4621	4269	3996	3659	6109	7784	7997	8934	8393	9895	9085	6058
79 2007 Regional Report Surplus Deficit	3241	1291	4206	4849	4443	2938	5456	6046	8726	7204	5567	8717	7629	6404
80 2008 Regional Report Surplus Deficit	3700	947	4164	4711	4287	1574	3095	4011	5816	4565	2567	9347	9620	6874
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>2256</b>	<b>118</b>	<b>4016</b>	<b>4287</b>	<b>3732</b>	<b>2749</b>	<b>3847</b>	<b>4332</b>	<b>6311</b>	<b>4428</b>	<b>4945</b>	<b>8386</b>	<b>7119</b>	<b>5382</b>
82 <b>Middle 80 pct</b>	<b>4375</b>	<b>2694</b>	<b>5166</b>	<b>5380</b>	<b>4438</b>	<b>3664</b>	<b>5009</b>	<b>5949</b>	<b>7541</b>	<b>6019</b>	<b>6327</b>	<b>8881</b>	<b>7842</b>	<b>5822</b>
83 <b>Top 10 pct</b>	<b>5978</b>	<b>5933</b>	<b>7089</b>	<b>5825</b>	<b>5047</b>	<b>4055</b>	<b>5521</b>	<b>6414</b>	<b>7368</b>	<b>5697</b>	<b>5562</b>	<b>8398</b>	<b>7186</b>	<b>6172</b>

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**Regional Report Surplus Deficit By Water Year**

**Operating Year 2020**

**2017 White Book Report Date: 6/1/2017**

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	4709	4316	4499	4479	3871	1576	1904	3129	3809	2840	4602	5789	6582	787
2 1930 Regional Report Surplus Deficit	2946	1249	4538	4233	3704	1388	641	3477	3932	3705	4688	5403	4363	3697
3 1931 Regional Report Surplus Deficit	3633	1626	4370	4247	3774	1533	349	1547	4860	3790	1307	5820	3099	3063
4 1932 Regional Report Surplus Deficit	2727	1110	3816	3766	3231	1509	1011	796	6321	8465	8554	9482	9260	5849
5 1933 Regional Report Surplus Deficit	4506	3405	5583	4441	3795	3675	5416	7220	7523	5277	5783	7938	9790	7251
6 1934 Regional Report Surplus Deficit	5749	5111	5549	5632	7283	6251	7535	9595	9916	9479	8140	8318	7418	4385
7 1935 Regional Report Surplus Deficit	2353	1006	3957	4021	3324	1983	5197	7083	7185	3691	6235	7755	7716	6280
8 1936 Regional Report Surplus Deficit	5457	2393	4008	4210	3699	1395	619	2896	4429	4247	7959	9854	9214	4688
9 1937 Regional Report Surplus Deficit	3719	1733	4419	4345	3836	1480	308	1839	3457	2984	1386	6611	6077	2703
10 1938 Regional Report Surplus Deficit	3569	1375	4438	4332	3784	2967	4616	6753	7981	7824	9160	9248	8821	6099
11 1939 Regional Report Surplus Deficit	2653	1168	4986	4423	3635	1530	3793	4339	5816	5437	7251	8372	5939	4386
12 1940 Regional Report Surplus Deficit	3509	1512	4844	4405	4064	2982	2872	4506	8432	6043	6425	8106	6434	3529
13 1941 Regional Report Surplus Deficit	1980	42.9	4291	3993	3762	2392	1739	3157	4237	2025	3710	6364	5250	2895
14 1942 Regional Report Surplus Deficit	2385	314	4448	3786	4524	4418	4484	5184	5170	4042	5868	7481	8135	6706
15 1943 Regional Report Surplus Deficit	4031	3239	5817	4497	3359	2658	5734	7166	8270	10220	9486	8789	9805	7243
16 1944 Regional Report Surplus Deficit	5327	3184	4854	4475	3897	1680	2441	3335	3823	2504	3884	4343	2057	1038
17 1945 Regional Report Surplus Deficit	2366	-251	3577	3540	3194	1371	1145	2517	3754	2897	1416	7942	8331	1806
18 1946 Regional Report Surplus Deficit	2843	999	4509	4182	3976	3034	4674	6162	7315	8446	9285	9193	8722	6779
19 1947 Regional Report Surplus Deficit	5062	3892	5668	4348	4773	5741	6621	8544	8898	7134	6940	9225	8860	6395
20 1948 Regional Report Surplus Deficit	4651	3116	4969	8229	6450	4441	6457	7412	7845	6298	8542	9511	9188	7041
21 1949 Regional Report Surplus Deficit	5852	5548	6140	5018	4359	2647	4134	4869	9106	7240	8835	9602	8833	2625
22 1950 Regional Report Surplus Deficit	2540	529	4569	4243	3557	3102	6377	9085	8988	8883	7934	8520	9891	7739
23 1951 Regional Report Surplus Deficit	5964	5510	6054	6149	7051	5989	7458	10163	10388	9413	8475	9082	8846	7046
24 1952 Regional Report Surplus Deficit	5238	3082	5472	7696	5663	4501	5954	7906	8282	8934	9524	9633	9074	6392
25 1953 Regional Report Surplus Deficit	4273	2438	4098	4376	3721	1601	2703	8663	6876	4513	5732	8634	9849	7350
26 1954 Regional Report Surplus Deficit	5203	3972	5561	4943	4728	3760	5833	9002	8473	6766	7204	9099	9173	7512
27 1955 Regional Report Surplus Deficit	6063	6222	8444	5108	5668	3550	3165	4957	3014	3756	4742	7730	9748	7508
28 1956 Regional Report Surplus Deficit	5780	4357	5227	5352	6305	5771	7330	9622	9540	8458	8898	9396	9727	7334
29 1957 Regional Report Surplus Deficit	5717	5090	5655	5372	4345	4071	4667	4311	8263	8573	6757	9736	9732	5650
30 1958 Regional Report Surplus Deficit	4138	2628	4976	4408	3981	2536	5375	6983	7625	6118	7953	9474	9467	5282
31 1959 Regional Report Surplus Deficit	4599	2306	4488	4785	5486	5302	7088	9064	8841	8045	6824	8617	9224	7208
32 1960 Regional Report Surplus Deficit	5838	5591	9020	9615	7399	4975	5327	6511	7730	10420	8090	7979	9021	6354
33 1961 Regional Report Surplus Deficit	4881	2317	4532	4749	4547	2981	5036	7486	9169	6929	5936	8896	8908	5322
34 1962 Regional Report Surplus Deficit	4553	2188	4656	4190	4101	2804	4788	6522	4714	8928	8878	8912	8600	5443
35 1963 Regional Report Surplus Deficit	4465	3272	4547	5732	5730	4994	5651	7226	6303	4322	5543	8834	8542	6111
36 1964 Regional Report Surplus Deficit	4198	2651	5757	4330	4113	2973	3583	4552	5143	7402	5428	8496	9829	7498
37 1965 Regional Report Surplus Deficit	5785	5212	6569	6017	5267	5845	7440	9942	9655	6434	9287	9129	8888	6421
38 1966 Regional Report Surplus Deficit	5676	5191	4877	5155	4547	3368	4469	5882	5731	9009	6659	6936	8103	6206

**Regional Report Surplus Deficit By Water Year**

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**2017 White Book** Report Date: 6/1/2017 *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	5111	2386	4715	4251	3800	4021	6534	8555	8466	6003	2659	8263	9529	7221
40 1968 Regional Report Surplus Deficit	5263	4374	5533	4930	4970	3379	5503	8181	8528	3626	4504	6798	9064	6586
41 1969 Regional Report Surplus Deficit	5323	4111	7145	6270	6528	4494	7011	9231	8782	8898	8884	9563	9332	6493
42 1970 Regional Report Surplus Deficit	4266	2557	5011	5053	4447	2368	5305	6759	6523	4934	5113	8793	9591	4220
43 1971 Regional Report Surplus Deficit	4165	2012	4557	4358	3857	3531	7189	9707	9777	8711	8284	9398	9894	7602
44 1972 Regional Report Surplus Deficit	5890	6044	6120	5539	4758	3825	7046	9807	10820	10218	7526	9307	9320	7428
45 1973 Regional Report Surplus Deficit	5992	6090	6306	5340	4848	3366	4961	5170	4686	2573	3583	6364	3792	3082
46 1974 Regional Report Surplus Deficit	2389	292	4312	4242	4138	4603	7838	9725	10424	9379	8787	8774	9566	7780
47 1975 Regional Report Surplus Deficit	5993	6115	6012	4377	3958	2611	5516	7128	7988	4455	4999	9024	9864	7667
48 1976 Regional Report Surplus Deficit	5323	4936	6334	6585	6873	6437	7252	9075	9529	9313	8055	9410	9315	7314
49 1977 Regional Report Surplus Deficit	6297	6536	10064	5434	4102	1591	1844	4560	3421	2086	3002	3865	1719	1006
50 1978 Regional Report Surplus Deficit	2120	-230	3351	3068	3566	3463	4816	6408	7002	8640	7140	9216	8125	6393
51 1979 Regional Report Surplus Deficit	4002	2093	7454	5384	4546	1930	2606	5832	6991	4112	5799	9295	7501	1823
52 1980 Regional Report Surplus Deficit	2785	1220	4839	4412	3720	1215	3975	3673	4582	5894	7493	9872	9292	5264
53 1981 Regional Report Surplus Deficit	2633	1519	4937	4255	4467	4990	6499	8697	6597	2801	5141	8356	9419	6932
54 1982 Regional Report Surplus Deficit	5840	5314	5365	4758	4974	3296	5998	10000	10602	8827	7413	9075	9825	7848
55 1983 Regional Report Surplus Deficit	5963	5936	7228	6422	5177	4067	6625	9138	10094	7735	6696	8801	9239	7335
56 1984 Regional Report Surplus Deficit	5875	4808	6306	5258	7310	4447	6192	8614	8756	9388	8569	9153	9839	7087
57 1985 Regional Report Surplus Deficit	5774	3670	6275	5330	5204	3363	4327	5355	6128	7003	7599	8758	7106	3672
58 1986 Regional Report Surplus Deficit	2571	273	4997	5608	5749	3452	5485	8635	10822	9407	8610	8251	8744	5342
59 1987 Regional Report Surplus Deficit	3765	1656	4454	4246	4737	3489	3277	4647	6550	3139	5173	8338	7032	2254
60 1988 Regional Report Surplus Deficit	2377	224	4002	4088	2930	1020	1634	1474	4427	3157	4996	7035	5700	4424
61 1989 Regional Report Surplus Deficit	3263	1533	4202	3989	3982	2554	2314	1735	6501	6228	8747	8420	7711	4268
62 1990 Regional Report Surplus Deficit	2778	1266	4472	4375	4597	3700	4547	8242	8168	5800	8596	7897	9066	6149
63 1991 Regional Report Surplus Deficit	5392	4597	4693	4263	6877	4544	6219	7952	8166	7254	5887	8349	8874	7035
64 1992 Regional Report Surplus Deficit	5812	4724	4615	4237	3749	1167	2898	5003	6093	2348	3255	5897	3576	2111
65 1993 Regional Report Surplus Deficit	1929	-176	3497	4018	3531	1587	535	1371	5747	4615	5658	8517	8509	4410
66 1994 Regional Report Surplus Deficit	3658	2030	4749	4426	4016	1917	1463	2719	5203	2846	4918	7080	7058	3751
67 1995 Regional Report Surplus Deficit	2832	470	4306	4070	3358	2057	3947	5900	6794	6824	5362	8935	9442	5905
68 1996 Regional Report Surplus Deficit	4012	2175	5475	6056	7549	6620	7758	10259	11141	9191	9509	9517	9252	7209
69 1997 Regional Report Surplus Deficit	5821	4793	5518	4800	4782	4550	7831	9749	10768	9376	9162	9198	9137	7439
70 1998 Regional Report Surplus Deficit	5802	6064	7282	8676	6342	3441	4372	7033	6603	5400	6508	9513	9710	6253
71 1999 Regional Report Surplus Deficit	5203	2813	4602	4565	3763	4417	7012	9563	9781	6979	8189	8727	9826	7560
72 2000 Regional Report Surplus Deficit	6376	6349	6280	4888	7141	5057	5440	6931	7876	8803	8989	8987	7124	5762
73 2001 Regional Report Surplus Deficit	4871	1451	4062	4498	3719	1578	2129	3123	3890	2333	3378	5555	1437	1572
74 2002 Regional Report Surplus Deficit	2459	-212	3170	3024	3460	2163	2056	3202	5272	5575	8087	7997	9224	6828
75 2003 Regional Report Surplus Deficit	4350	2562	4656	4357	3900	1701	1728	2741	7310	5517	6013	7931	9243	3660
76 2004 Regional Report Surplus Deficit	2553	119	4006	4133	4730	3103	2779	2483	5808	4250	5310	7869	7722	4756
77 2005 Regional Report Surplus Deficit	3186	1982	6127	4963	4206	3282	4130	5713	4752	2976	4556	8336	7787	4438

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2020**

**2017 White Book** Report Date: **6/1/2017** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	3756	900	4527	4281	4545	3087	5813	8167	7736	9079	8819	9405	9448	5656
79 2007 Regional Report Surplus Deficit	3218	1338	4122	4082	4606	3171	5129	5957	8831	7490	5927	8516	7755	6157
80 2008 Regional Report Surplus Deficit	3665	978	4090	4229	3910	1838	2935	3846	5577	5035	3085	8891	9909	6577
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>2237</b>	<b>153</b>	<b>3929</b>	<b>3845</b>	<b>3621</b>	<b>2604</b>	<b>3423</b>	<b>4615</b>	<b>5993</b>	<b>4806</b>	<b>5476</b>	<b>7886</b>	<b>7666</b>	<b>5087</b>
82 <b>Middle 80 pct</b>	<b>4362</b>	<b>2755</b>	<b>5088</b>	<b>4905</b>	<b>4660</b>	<b>3287</b>	<b>4577</b>	<b>6355</b>	<b>7314</b>	<b>6441</b>	<b>6742</b>	<b>8426</b>	<b>8346</b>	<b>5506</b>
83 <b>Top 10 pct</b>	<b>6067</b>	<b>6100</b>	<b>7063</b>	<b>5407</b>	<b>5338</b>	<b>3757</b>	<b>5257</b>	<b>7232</b>	<b>7286</b>	<b>6130</b>	<b>6002</b>	<b>7895</b>	<b>7456</b>	<b>5854</b>

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**Regional Report Surplus Deficit By Water Year**

**Operating Year 2021**

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	3864	3038	4362	4096	3496	528	301	1145	2251	1735	3109	5279	4115	-669
2 1930 Regional Report Surplus Deficit	2408	969	3822	3849	3341	340	-884	1497	2374	2555	3190	4944	1699	2333
3 1931 Regional Report Surplus Deficit	2624	839	3681	3864	3422	490	-1128	-420	3319	2641	-293	5390	425	1699
4 1932 Regional Report Surplus Deficit	2481	564	3391	3378	2847	463	-501	-1180	4779	7196	6558	8671	7194	4593
5 1933 Regional Report Surplus Deficit	3987	2571	4922	4054	3413	2745	3587	5002	5995	4363	4224	7286	7732	6117
6 1934 Regional Report Surplus Deficit	5438	4794	5361	5269	7005	5665	5852	7126	7899	7895	6138	7670	5378	3058
7 1935 Regional Report Surplus Deficit	1584	824	3081	3636	2921	939	3428	4629	5869	2544	4671	7122	5377	5062
8 1936 Regional Report Surplus Deficit	4960	1797	3729	3823	3326	347	-849	916	2879	3097	6231	9052	7114	3355
9 1937 Regional Report Surplus Deficit	2777	1145	3709	3960	3480	435	-1185	-131	1896	1858	-191	6100	3413	1320
10 1938 Regional Report Surplus Deficit	2921	951	3840	3946	3409	1956	2906	4585	6413	6606	7138	8433	6571	4858
11 1939 Regional Report Surplus Deficit	1937	642	4323	4037	3250	481	2103	2509	4097	4439	5508	7773	3330	3046
12 1940 Regional Report Surplus Deficit	2583	1126	3955	4023	3721	2001	1206	2492	6813	4918	4838	7503	3936	1989
13 1941 Regional Report Surplus Deficit	1837	-198	3577	3607	3406	1363	166	1175	2688	924	2221	5838	2686	1538
14 1942 Regional Report Surplus Deficit	1870	-163	3890	3398	4189	3567	2766	3128	3629	2893	4309	6918	5781	5558
15 1943 Regional Report Surplus Deficit	3612	2814	5203	4113	2956	1629	3975	5154	6654	8716	7497	8091	7692	6033
16 1944 Regional Report Surplus Deficit	4250	2469	4594	4086	3522	632	808	1347	2262	1407	2395	3783	-716	-437
17 1945 Regional Report Surplus Deficit	1615	-844	2949	3153	2829	328	-363	548	2193	1790	-183	7308	6103	421
18 1946 Regional Report Surplus Deficit	2097	670	3910	3794	3605	2030	2957	4051	5777	7274	7219	8398	6441	5583
19 1947 Regional Report Surplus Deficit	5013	4434	5368	3960	4429	5002	4848	6193	7117	6059	5269	8528	6631	5193
20 1948 Regional Report Surplus Deficit	3965	2155	4759	7880	6156	3582	4722	5215	6251	5254	6620	8704	7132	5847
21 1949 Regional Report Surplus Deficit	5420	5258	5951	4638	4006	1626	2417	2831	7347	6159	6951	8806	6672	1242
22 1950 Regional Report Surplus Deficit	1782	308	3342	3855	3169	2119	4590	6653	7223	7433	6249	7720	7852	6462
23 1951 Regional Report Surplus Deficit	5524	5231	5866	5793	6764	5262	5721	7719	8338	7982	6487	8275	6685	5890
24 1952 Regional Report Surplus Deficit	5035	2523	5293	7364	5346	3642	4218	5725	6664	7741	7449	8843	6856	5095
25 1953 Regional Report Surplus Deficit	3969	1722	3508	3988	3350	553	1088	6327	5329	3363	4206	7893	7717	6193
26 1954 Regional Report Surplus Deficit	4409	3339	5369	4560	4388	2809	4021	6608	6866	5663	5535	8302	7197	6247
27 1955 Regional Report Surplus Deficit	5743	5863	7990	4728	5361	2613	1504	2904	1460	2610	3234	6978	7762	6322
28 1956 Regional Report Surplus Deficit	5444	4343	5044	4982	6008	5037	5653	7182	7675	7119	6819	8586	7670	6095
29 1957 Regional Report Surplus Deficit	5149	4844	5467	4995	3989	3146	2945	2300	6657	7349	5150	8951	7655	4375
30 1958 Regional Report Surplus Deficit	3849	2023	4118	4022	3619	1503	3652	4518	6257	4982	6258	8665	7398	3907
31 1959 Regional Report Surplus Deficit	4007	1848	4119	4402	5170	4537	5383	6581	7039	6867	5195	7869	7248	6086
32 1960 Regional Report Surplus Deficit	5491	5155	8384	9201	7120	4214	3619	4543	6094	8825	6258	7271	6962	5147
33 1961 Regional Report Surplus Deficit	4699	1601	4336	4367	4201	1980	3313	5256	7384	5832	4319	8073	6961	4050
34 1962 Regional Report Surplus Deficit	3711	1828	4186	3801	3739	1795	3066	4390	3169	7686	6808	8176	6388	4161
35 1963 Regional Report Surplus Deficit	4323	2578	4393	5363	5421	4208	3900	5060	4760	3171	4015	8166	6296	4892
36 1964 Regional Report Surplus Deficit	3868	2121	5539	3942	3750	1969	1901	2525	3601	6284	3906	7716	7804	6336
37 1965 Regional Report Surplus Deficit	5456	4863	6383	5656	4948	5131	5821	7464	7637	5151	7210	8317	6691	5207
38 1966 Regional Report Surplus Deficit	5417	4720	4711	4782	4204	2398	2755	3788	4191	7724	5097	6377	5852	4992

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2021**

**2017 White Book** Report Date: 6/1/2017 *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	4627	1919	4381	3864	3422	3103	4776	6198	6770	4681	1110	7610	7473	6048
40 1968 Regional Report Surplus Deficit	4840	3861	5339	4550	4639	2408	3777	5867	6875	2476	3010	6224	6999	5395
41 1969 Regional Report Surplus Deficit	4964	3811	6932	5924	6234	3638	5400	6776	6911	7722	6839	8769	7239	5285
42 1970 Regional Report Surplus Deficit	3685	1975	4741	4674	4099	1330	3552	4622	5099	3649	3598	7990	7520	2863
43 1971 Regional Report Surplus Deficit	3580	1522	4142	3972	3477	2561	5651	7259	7948	7303	6340	8582	7816	6377
44 1972 Regional Report Surplus Deficit	5629	5592	5932	5162	4410	2874	5339	7425	8560	8574	5823	8489	7281	6244
45 1973 Regional Report Surplus Deficit	5653	5657	6117	4963	4506	2373	3240	3118	3140	1476	2094	5847	1152	1718
46 1974 Regional Report Surplus Deficit	2038	161	3792	3856	3761	3746	6265	7277	8191	7903	6734	7952	7567	6475
47 1975 Regional Report Surplus Deficit	5643	5727	5823	3988	3582	1577	3766	4962	6455	3248	3464	8176	7696	6350
48 1976 Regional Report Surplus Deficit	4837	4154	6151	6235	6586	5791	5544	6852	7461	7869	6229	8598	7213	6164
49 1977 Regional Report Surplus Deficit	5955	6246	9085	5059	3736	543	910	1495	1855	972	1503	3291	-979	-596
50 1978 Regional Report Surplus Deficit	1585	-704	2444	2681	3193	2494	3095	4459	5298	7354	5481	8407	5833	5176
51 1979 Regional Report Surplus Deficit	3380	1538	6771	5012	4202	883	954	3753	5445	3000	4227	8566	5099	438
52 1980 Regional Report Surplus Deficit	2036	306	4203	4028	3354	172	2277	1685	3033	4773	5840	9088	7202	3962
53 1981 Regional Report Surplus Deficit	2487	1334	4396	3870	4126	4187	4689	6308	5050	1776	3659	7667	7500	5780
54 1982 Regional Report Surplus Deficit	5366	5100	5275	4374	4646	2308	4243	7552	8580	7461	5690	8247	7654	6497
55 1983 Regional Report Surplus Deficit	5595	5551	7023	6063	4849	3141	4866	6741	8230	6537	5055	8049	7048	6123
56 1984 Regional Report Surplus Deficit	5389	5117	6117	4878	7027	3566	4407	6248	7128	8037	6681	8384	7693	5900
57 1985 Regional Report Surplus Deficit	5165	2967	6085	4949	4870	2378	2614	3293	4587	5852	5892	8056	4681	2304
58 1986 Regional Report Surplus Deficit	1606	52.8	4227	5242	5435	2494	3752	6423	8752	7987	6765	7635	6624	4042
59 1987 Regional Report Surplus Deficit	3662	986	4101	3857	4397	2517	1613	2620	5007	2221	3533	7672	4632	862
60 1988 Regional Report Surplus Deficit	2073	11.5	3582	3702	2561	-23.4	73.4	-494	2879	2031	3494	6531	3105	3077
61 1989 Regional Report Surplus Deficit	2752	1092	3802	3601	3621	1535	680	-231	5019	4984	6720	7772	5247	2886
62 1990 Regional Report Surplus Deficit	2431	1057	3676	3989	4257	2791	2829	5885	6541	4755	6581	7274	7087	4915
63 1991 Regional Report Surplus Deficit	4933	3794	4386	3874	6592	3731	4435	5761	6566	6120	4304	7742	6763	5912
64 1992 Regional Report Surplus Deficit	5459	4221	4440	3849	3375	121	1234	3023	4622	1298	1830	5447	937	730
65 1993 Regional Report Surplus Deficit	1395	-590	2783	3633	3175	541	-937	-530	4207	3466	4134	7828	6019	3347
66 1994 Regional Report Surplus Deficit	3000	1470	4173	4040	3666	881	-89.5	809	3730	1856	3468	6628	4619	2377
67 1995 Regional Report Surplus Deficit	2466	240	3776	3684	2973	1017	2249	3891	5250	5678	3835	8278	7294	4572
68 1996 Regional Report Surplus Deficit	3406	1786	4926	5702	7271	5949	6129	7811	8810	7901	7443	8703	7078	5974
69 1997 Regional Report Surplus Deficit	5407	4358	5331	4416	4444	3684	6276	7301	8509	7893	7114	8401	7108	6180
70 1998 Regional Report Surplus Deficit	5459	5620	7083	8313	6047	2454	2666	4877	5060	4256	4920	8719	7568	4941
71 1999 Regional Report Surplus Deficit	5143	3324	4279	4177	3377	3534	5386	6970	7954	5922	6410	8013	7671	6295
72 2000 Regional Report Surplus Deficit	6098	5905	6086	4504	6861	4272	3717	5038	6147	7581	6902	8235	4568	4439
73 2001 Regional Report Surplus Deficit	4686	997	3556	4112	3347	531	526	1081	2335	1241	1883	5052	-1343	108
74 2002 Regional Report Surplus Deficit	1796	-737	2390	2637	3089	1127	428	1219	3776	4491	6264	7374	7177	5632
75 2003 Regional Report Surplus Deficit	3447	2701	3990	3974	3543	656	163	765	5751	4424	4430	7318	7117	2217
76 2004 Regional Report Surplus Deficit	1721	203	3516	3748	4403	2122	1128	513	4267	3137	3766	7259	5302	3353
77 2005 Regional Report Surplus Deficit	1554	1610	5050	4589	3862	2335	2171	3992	3266	1804	3046	7699	5403	3019

**Regional Report Surplus Deficit By Water Year**

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**2017 White Book** Report Date: **6/1/2017** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	2904	756	3892	3895	4210	2099	4038	5900	6155	7815	6831	8597	7393	4312
79 2007 Regional Report Surplus Deficit	2977	620	3459	3694	4267	2190	3400	3853	7141	6282	4373	7824	5347	4852
80 2008 Regional Report Surplus Deficit	3017	447	3268	3847	3572	797	1245	1875	4037	3905	1562	8109	7844	5293
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>1605</b>	<b>108</b>	<b>3424</b>	<b>3817</b>	<b>3623</b>	<b>1672</b>	<b>2108</b>	<b>3336</b>	<b>5134</b>	<b>4439</b>	<b>4241</b>	<b>7622</b>	<b>6064</b>	<b>3860</b>
82 <b>Middle 80 pct</b>	<b>3848</b>	<b>2280</b>	<b>4619</b>	<b>4480</b>	<b>4270</b>	<b>2335</b>	<b>2857</b>	<b>4086</b>	<b>5562</b>	<b>5146</b>	<b>4969</b>	<b>7681</b>	<b>6035</b>	<b>4213</b>
83 <b>Top 10 pct</b>	<b>5730</b>	<b>5721</b>	<b>6740</b>	<b>5033</b>	<b>5009</b>	<b>2832</b>	<b>3633</b>	<b>4925</b>	<b>5523</b>	<b>4872</b>	<b>4320</b>	<b>7168</b>	<b>5152</b>	<b>4561</b>

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**Regional Report Surplus Deficit By Water Year**

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	2795	1956	3108	2417	1810	-495	-257	658	1707	-215	1630	5129	5176	-947
2 1930 Regional Report Surplus Deficit	1336	-258	2583	2166	1661	-683	-1388	1012	1831	578	1707	4811	2766	1955
3 1931 Regional Report Surplus Deficit	1528	-412	2367	2180	1750	-536	-1598	-885	2742	664	-1772	5229	1486	1317
4 1932 Regional Report Surplus Deficit	1413	-688	2152	1699	1160	-561	-995	-1641	4191	5137	4913	8390	8059	4108
5 1933 Regional Report Surplus Deficit	2921	1480	3688	2372	1726	1692	2873	4564	5326	2154	2686	7046	8590	5541
6 1934 Regional Report Surplus Deficit	4563	3774	4119	3595	5139	4424	5094	6529	7246	5848	4560	7342	6324	2639
7 1935 Regional Report Surplus Deficit	568	-422	1832	1953	1243	-85.8	2694	4036	5267	570	3158	6941	6403	4543
8 1936 Regional Report Surplus Deficit	4021	603	2481	2143	1641	-676	-1313	432	2321	1111	4627	8762	7984	2942
9 1937 Regional Report Surplus Deficit	1711	-94.0	2452	2277	1805	-589	-1666	-603	1358	-104	-1669	5925	4490	984
10 1938 Regional Report Surplus Deficit	1844	-274	2597	2264	1723	923	2263	4013	5801	4527	5500	8107	7483	4360
11 1939 Regional Report Surplus Deficit	927	-519	3082	2355	1563	-541	1485	2000	3519	2346	4033	7542	4469	2643
12 1940 Regional Report Surplus Deficit	1522	-116	2636	2339	2060	960	606	1988	6193	2892	3320	7302	4999	1625
13 1941 Regional Report Surplus Deficit	626	-1418	2266	1925	1731	334	-370	690	2129	-1025	748	5649	3759	1150
14 1942 Regional Report Surplus Deficit	794	-1408	2581	1720	2538	2460	2124	2605	3053	912	2796	6706	6772	5000
15 1943 Regional Report Surplus Deficit	2534	1619	3891	2429	1277	600	3225	4573	5979	6676	5942	7804	8563	5484
16 1944 Regional Report Surplus Deficit	3210	1372	3272	2409	1836	-391	263	805	1723	-540	921	3659	315	-759
17 1945 Regional Report Surplus Deficit	466	-2074	1635	1472	1147	-697	-855	76.8	1655	-161	-1665	7046	6996	105
18 1946 Regional Report Surplus Deficit	1043	-520	2587	2116	1920	995	2317	3510	5184	5196	5654	8082	7365	5042
19 1947 Regional Report Surplus Deficit	4058	3342	4054	2286	2771	3817	4096	5658	6515	3944	3763	8213	7535	4658
20 1948 Regional Report Surplus Deficit	2908	1004	3442	6137	4495	2506	3979	4604	5661	3122	5015	8429	7972	5293
21 1949 Regional Report Surplus Deficit	4548	4269	4640	2954	2334	595	1777	2316	6713	4007	5351	8518	7565	908
22 1950 Regional Report Surplus Deficit	776	-893	2069	2176	1482	1079	3785	6105	6688	5519	4587	7417	8696	5898
23 1951 Regional Report Surplus Deficit	4651	4231	4549	4127	5053	4074	4940	7122	7676	5989	4865	7948	7585	5326
24 1952 Regional Report Surplus Deficit	4086	1259	3971	5630	3726	2568	3485	5166	5983	5645	5894	8554	7755	4581
25 1953 Regional Report Surplus Deficit	2931	643	2171	2309	1666	-470	523	5691	4737	1378	2706	7660	8592	5634
26 1954 Regional Report Surplus Deficit	3448	2172	4059	2876	2732	1761	3313	5960	6203	3675	4024	7968	8012	5706
27 1955 Regional Report Surplus Deficit	4839	4895	6939	3044	3747	1562	907	2383	935	637	1744	6795	8617	5741
28 1956 Regional Report Surplus Deficit	4572	3290	3730	3301	4342	3851	4902	6560	7084	5121	5246	8295	8503	5533
29 1957 Regional Report Surplus Deficit	4136	3739	4153	3313	2313	2092	2294	1797	6032	5271	3631	8683	8529	3908
30 1958 Regional Report Surplus Deficit	2783	916	2806	2340	1940	475	2963	4438	5342	2978	4675	8388	8246	3464
31 1959 Regional Report Surplus Deficit	2871	570	2805	2718	3550	3361	4642	6054	6465	4758	3687	7536	8097	5518
32 1960 Regional Report Surplus Deficit	4435	4129	7562	7326	5247	3039	2931	3988	5441	6748	4625	7078	7827	4616
33 1961 Regional Report Surplus Deficit	3713	524	3018	2683	2537	944	2606	4641	6755	3753	2876	7777	7805	3579
34 1962 Regional Report Surplus Deficit	2646	628	2937	2124	2060	761	2420	3844	2603	5637	5229	7920	7324	3700
35 1963 Regional Report Surplus Deficit	3298	1465	3147	3689	3808	3061	3115	4445	4169	1193	2518	7954	7247	4374
36 1964 Regional Report Surplus Deficit	2825	887	4226	2263	2069	934	1289	2014	3027	4206	2423	7468	8611	5793
37 1965 Regional Report Surplus Deficit	4581	3843	5149	3988	3320	3941	5174	7011	7077	3093	5628	8018	7561	4684
38 1966 Regional Report Surplus Deficit	4445	3557	3381	3101	2543	1355	2117	3253	3610	5659	3579	6231	6852	4469

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	3660	700	3131	2183	1736	2048	4003	5609	6199	2840	-411	7311	8295	5487
40 1968 Regional Report Surplus Deficit	3870	2789	4103	2867	2996	1365	3062	5284	6189	503	1526	6112	7853	4849
41 1969 Regional Report Surplus Deficit	4023	2702	5743	4242	4579	2563	4649	6213	6213	5512	5256	8468	8082	4757
42 1970 Regional Report Surplus Deficit	2609	772	3497	2990	2432	303	2874	4067	4390	1804	2111	7766	8384	2481
43 1971 Regional Report Surplus Deficit	2501	447	2890	2290	1790	1518	4867	6777	7393	5275	4718	8284	8621	5816
44 1972 Regional Report Surplus Deficit	4707	4613	4615	3481	2744	1827	4547	6845	7918	6457	4209	8162	8094	5671
45 1973 Regional Report Surplus Deficit	4663	4690	4805	3281	2847	1335	2591	2598	2576	-464	620	5661	2223	1346
46 1974 Regional Report Surplus Deficit	965	-1083	2472	2174	2075	2659	5509	6795	7553	5899	5146	7646	8386	5943
47 1975 Regional Report Surplus Deficit	4773	4762	4578	2314	1896	549	3053	4384	5814	1320	1996	7865	8574	5806
48 1976 Regional Report Surplus Deficit	3852	3080	4833	4540	4881	4581	4811	6270	6825	5876	4585	8303	8061	5606
49 1977 Regional Report Surplus Deficit	4920	5192	8212	3378	2054	-480	308	1000	1325	-961	33.9	3169	49.6	-920
50 1978 Regional Report Surplus Deficit	373	-1940	1174	1005	1507	1451	2450	3910	4706	5279	3945	8098	6804	4655
51 1979 Regional Report Surplus Deficit	2298	460	5485	3335	2540	-141	363	3223	4853	981	2755	8300	6135	125
52 1980 Regional Report Surplus Deficit	977	-878	2956	2344	1672	-842	1653	1194	2476	2759	4291	8787	8043	3521
53 1981 Regional Report Surplus Deficit	1410	212	3075	2187	2468	3033	3882	5673	4458	-284	2139	7436	8367	5216
54 1982 Regional Report Surplus Deficit	4478	4103	4041	2690	3006	1269	3501	7069	7938	5454	4125	7938	8525	5979
55 1983 Regional Report Surplus Deficit	4545	4570	5749	4390	3209	2088	4097	6107	7616	4416	3550	7763	7902	5561
56 1984 Regional Report Surplus Deficit	4490	4020	4804	3194	5277	2501	3654	5612	6477	5979	5082	8076	8568	5342
57 1985 Regional Report Surplus Deficit	4220	1867	4774	3265	3221	1338	2090	2833	3767	3787	4295	7805	5728	1935
58 1986 Regional Report Surplus Deficit	597	-1149	2897	3565	3816	1448	3044	5719	8142	5964	5130	7367	7491	3597
59 1987 Regional Report Surplus Deficit	2591	-255	2776	2180	2739	1474	1014	2109	4416	43.1	2175	7414	5667	536
60 1988 Regional Report Surplus Deficit	1032	-1198	2324	2020	877	-1037	-455	-954	2318	70.6	2009	6360	4181	2672
61 1989 Regional Report Surplus Deficit	1575	-232	2485	1922	1941	503	115	-691	4370	3072	5127	7515	6278	2495
62 1990 Regional Report Surplus Deficit	1242	-267	2344	2306	2600	1733	2188	5338	5912	2634	4993	7064	7951	4406
63 1991 Regional Report Surplus Deficit	3913	2642	3069	2197	4860	2582	3643	5215	5964	4155	2853	7462	7627	5345
64 1992 Regional Report Surplus Deficit	4423	3159	3192	2171	1688	-901	636	2503	4031	-635	357	5288	2012	377
65 1993 Regional Report Surplus Deficit	333	-1807	1526	1950	1500	-483	-1404	-994	3624	1482	2636	7539	7017	2940
66 1994 Regional Report Surplus Deficit	1840	299	2844	2358	1997	-146	-612	328	3155	-155	2000	6448	5676	2002
67 1995 Regional Report Surplus Deficit	1363	-1004	2466	2001	1285	-9.47	1624	3362	4659	3590	2331	7994	8149	4089
68 1996 Regional Report Surplus Deficit	2246	458	3613	4043	5357	4708	5370	7329	8147	5814	5844	8386	7932	5420
69 1997 Regional Report Surplus Deficit	4245	3192	4016	2732	2789	2616	5520	6820	7872	5857	5524	8097	7960	5621
70 1998 Regional Report Surplus Deficit	4287	4569	5805	6553	4424	1415	2036	4295	4470	2274	3402	8435	8412	4440
71 1999 Regional Report Surplus Deficit	4125	2009	2964	2498	1690	2470	4629	6343	7332	3731	4831	7724	8537	5717
72 2000 Regional Report Surplus Deficit	5119	4857	4780	2821	5064	3114	3015	4447	5558	5525	5333	7954	5627	3948
73 2001 Regional Report Surplus Deficit	3622	-290	2224	2430	1661	-493	-56.7	593	1786	-704	413	4901	-337	-231
74 2002 Regional Report Surplus Deficit	645	-2039	1045	961	1405	99.3	-120	731	3197	2450	4669	7151	8031	5072
75 2003 Regional Report Surplus Deficit	2360	1605	2747	2354	1932	-369	-369	285	5159	2388	2935	7096	7961	1847
76 2004 Regional Report Surplus Deficit	632	-1091	2183	2065	2764	1082	538	40.2	3684	1120	2290	7077	6320	2937
77 2005 Regional Report Surplus Deficit	458	376	3726	2910	2201	1287	1535	3448	2637	-131	1569	7431	6431	2622

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2022**

**2017 White Book** Report Date: **6/1/2017** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	1753	-566	2564	2213	2560	1060	3297	5333	5529	5707	5290	8318	8254	3840
79 2007 Regional Report Surplus Deficit	1832	-686	2118	2015	2613	1149	2710	3315	6497	4206	2862	7561	6360	4346
80 2008 Regional Report Surplus Deficit	1871	-850	1924	2163	1918	-229	647	1372	3455	1907	104	7802	8698	4765
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>506</b>	<b>-1191</b>	<b>2155</b>	<b>2106</b>	<b>1988</b>	<b>542</b>	<b>954</b>	<b>2116</b>	<b>3981</b>	<b>1637</b>	<b>2226</b>	<b>7144</b>	<b>6403</b>	<b>2819</b>
82 <b>Middle 80 pct</b>	<b>2805</b>	<b>1130</b>	<b>3341</b>	<b>2805</b>	<b>2585</b>	<b>1253</b>	<b>2252</b>	<b>3632</b>	<b>5028</b>	<b>3234</b>	<b>3462</b>	<b>7452</b>	<b>7036</b>	<b>3827</b>
83 <b>Top 10 pct</b>	<b>4782</b>	<b>4635</b>	<b>5453</b>	<b>3304</b>	<b>3341</b>	<b>1990</b>	<b>3067</b>	<b>4474</b>	<b>4860</b>	<b>2699</b>	<b>3053</b>	<b>6946</b>	<b>6041</b>	<b>3950</b>

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**Regional Report Surplus Deficit By Water Year**

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	2081	1240	2240	1613	1045	-1228	-906	25.1	1076	-229	1730	4563	3418	-1310
2 1930 Regional Report Surplus Deficit	615	-956	1721	1365	898	-1413	-2047	383	1198	553	1806	4254	978	1563
3 1931 Regional Report Surplus Deficit	813	-1111	1505	1379	988	-1278	-2266	-1480	2093	641	-1656	4660	-308	925
4 1932 Regional Report Surplus Deficit	699	-1387	1290	896	394	-1299	-1657	-2195	3531	5075	5009	7812	6324	3703
5 1933 Regional Report Surplus Deficit	2205	770	2812	1570	961	920	2214	3898	4670	2115	2786	6469	6848	5137
6 1934 Regional Report Surplus Deficit	3747	3029	3243	2798	4362	3656	4436	5875	6606	5816	4665	6773	4573	2241
7 1935 Regional Report Surplus Deficit	-186	-1120	1000	1151	473	-828	2037	3367	4611	545	3263	6362	4649	4136
8 1936 Regional Report Surplus Deficit	3252	-96.0	1639	1340	877	-1411	-1981	-197	1680	1085	4740	8196	6254	2545
9 1937 Regional Report Surplus Deficit	987	-792	1618	1475	1042	-1328	-2331	-1212	729	-120	-1554	5348	2720	601
10 1938 Regional Report Surplus Deficit	1126	-973	1738	1462	958	163	1612	3344	5146	4473	5602	7529	5729	3953
11 1939 Regional Report Surplus Deficit	167	-1218	2208	1553	797	-1265	840	1344	2867	2316	4147	6976	2701	2247
12 1940 Regional Report Surplus Deficit	795	-814	1783	1538	1298	194	-38.9	1335	5539	2851	3423	6731	3240	1236
13 1941 Regional Report Surplus Deficit	-116	-2118	1404	1123	968	-419	-1022	58.2	1489	-1038	848	5067	1995	757
14 1942 Regional Report Surplus Deficit	81.0	-2106	1705	916	1776	1685	1474	1941	2402	884	2898	6128	5021	4593
15 1943 Regional Report Surplus Deficit	1813	909	3023	1628	508	-153	2565	3904	5326	6649	6044	7236	6802	5082
16 1944 Regional Report Surplus Deficit	2486	667	2409	1605	1071	-1120	-383	169	1093	-553	1021	3104	-1498	-1138
17 1945 Regional Report Surplus Deficit	-249	-2772	779	669	384	-1439	-1518	-530	1027	-174	-1546	6467	5251	-272
18 1946 Regional Report Surplus Deficit	309	-1218	1739	1312	1156	233	1667	2842	4525	5137	5748	7500	5615	4635
19 1947 Regional Report Surplus Deficit	3297	2608	3179	1481	2009	3047	3430	4996	5869	3903	3869	7646	5785	4251
20 1948 Regional Report Surplus Deficit	2190	303	2565	5337	3726	1731	3313	3937	5006	3094	5132	7847	6271	4887
21 1949 Regional Report Surplus Deficit	3726	3513	3765	2154	1572	-162	1126	1655	6069	3945	5452	7946	5824	526
22 1950 Regional Report Surplus Deficit	13.9	-1604	1287	1373	715	312	3121	5448	6040	5470	4690	6846	6964	5502
23 1951 Regional Report Surplus Deficit	3833	3479	3681	3330	4282	3305	4326	6355	6960	5945	4968	7383	5834	4915
24 1952 Regional Report Surplus Deficit	3322	557	3095	4833	2962	1793	2821	4500	5330	5595	5987	7972	6017	4174
25 1953 Regional Report Surplus Deficit	2204	-55.6	1363	1506	902	-1205	-125	5028	4077	1350	2809	7085	6836	5234
26 1954 Regional Report Surplus Deficit	2713	1457	3183	2076	1970	990	2654	5301	5554	3631	4129	7393	6262	5312
27 1955 Regional Report Surplus Deficit	3988	4132	6050	2245	2983	790	262	1719	323	616	1846	6222	6897	5353
28 1956 Regional Report Surplus Deficit	3753	2557	2854	2503	3575	3081	4239	5906	6447	5082	5353	7714	6783	5123
29 1957 Regional Report Surplus Deficit	3364	2996	3277	2514	1551	1319	1641	1146	5375	5220	3729	8138	6780	3505
30 1958 Regional Report Surplus Deficit	2069	215	1941	1538	1177	-276	2307	3769	4684	2924	4777	7814	6486	3063
31 1959 Regional Report Surplus Deficit	2155	-129	1941	1918	2786	2588	3976	5398	5820	4714	3791	6962	6353	5120
32 1960 Regional Report Surplus Deficit	3790	3379	6630	6520	4469	2266	2270	3318	4783	6719	4705	6504	6089	4209
33 1961 Regional Report Surplus Deficit	2967	-174	2149	1882	1775	181	1949	3972	6113	3698	2966	7208	6056	3177
34 1962 Regional Report Surplus Deficit	1931	-74.1	2071	1320	1297	0.41	1766	3175	1958	5575	5321	7342	5577	3297
35 1963 Regional Report Surplus Deficit	2568	759	2287	2892	3043	2286	2453	3776	3511	1166	2619	7378	5499	3968
36 1964 Regional Report Surplus Deficit	2102	186	3356	1460	1306	172	644	1356	2377	4158	2516	6892	6931	5395
37 1965 Regional Report Surplus Deficit	3765	3097	4291	3192	2557	3172	4545	6327	6442	3053	5732	7444	5807	4277
38 1966 Regional Report Surplus Deficit	3648	2820	2509	2302	1781	587	1468	2585	2956	5606	3663	5661	5102	4062

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2023**

**2017 White Book** Report Date: 6/1/2017 *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	2906	0.62	2258	1381	971	1274	3337	4948	5549	2804	-306	6749	6597	5087
40 1968 Regional Report Surplus Deficit	3116	2066	3230	2067	2234	596	2405	4618	5538	477	1626	5535	6101	4441
41 1969 Regional Report Surplus Deficit	3253	1979	4861	3446	3810	1787	3985	5558	5561	5422	5330	7893	6341	4349
42 1970 Regional Report Surplus Deficit	1896	72.3	2624	2191	1670	-443	2220	3398	3730	1774	2211	7195	6631	2089
43 1971 Regional Report Surplus Deficit	1788	-252	2036	1488	1025	749	4204	6119	6759	5247	4838	7704	6933	5411
44 1972 Regional Report Surplus Deficit	3896	3855	3745	2682	1982	1056	3881	6179	7256	6430	4317	7608	6381	5272
45 1973 Regional Report Surplus Deficit	3946	3928	3947	2482	2085	571	1939	1935	1932	-475	720	5089	439	955
46 1974 Regional Report Surplus Deficit	246	-1781	1619	1372	1311	1884	4868	6136	6891	5839	5233	7069	6656	5539
47 1975 Regional Report Surplus Deficit	3948	3999	3714	1509	1131	-201	2396	3715	5159	1291	2095	7297	6810	5420
48 1976 Regional Report Surplus Deficit	3105	2355	3964	3743	4110	3814	4145	5614	6182	5818	4671	7726	6322	5199
49 1977 Regional Report Surplus Deficit	4083	4376	7235	2579	1291	-1216	-337	356	702	-973	136	2616	-1764	-1299
50 1978 Regional Report Surplus Deficit	-342	-2639	391	199	743	682	1797	3241	4047	5233	4045	7524	5055	4247
51 1979 Regional Report Surplus Deficit	1584	-239	4598	2537	1778	-875	-282	2556	4194	956	2858	7712	4378	-251
52 1980 Regional Report Surplus Deficit	248	-1577	2087	1543	909	-1565	1007	557	1836	2712	4396	8225	6309	3120
53 1981 Regional Report Surplus Deficit	690	-487	2200	1385	1706	2259	3216	5013	3799	-302	2239	6865	6633	4810
54 1982 Regional Report Surplus Deficit	3664	3350	3169	1889	2243	503	2839	6411	7297	5430	4248	7371	6761	5585
55 1983 Regional Report Surplus Deficit	3748	3812	4862	3593	2447	1315	3432	5447	6972	4369	3653	7183	6160	5160
56 1984 Regional Report Surplus Deficit	3696	3274	3945	2394	4504	1727	2992	4949	5825	5923	5176	7503	6804	4933
57 1985 Regional Report Surplus Deficit	3453	1159	3914	2465	2459	572	1440	2167	3111	3731	4397	7221	3973	1545
58 1986 Regional Report Surplus Deficit	-178	-1860	2038	2767	3052	678	2388	5055	7500	5929	5237	6790	5747	3196
59 1987 Regional Report Surplus Deficit	1878	-953	1926	1376	1977	706	369	1452	3758	23.3	2274	6838	3913	155
60 1988 Regional Report Surplus Deficit	292	-1898	1486	1218	113	-1760	-1109	-1536	1676	53.4	2109	5791	2412	2275
61 1989 Regional Report Surplus Deficit	860	-930	1632	1119	1178	-254	-533	-1275	3711	3034	5233	6941	4524	2102
62 1990 Regional Report Surplus Deficit	509	-965	1502	1505	1838	960	1538	4678	5261	2573	5092	6482	6193	4001
63 1991 Regional Report Surplus Deficit	3146	1919	2203	1393	4088	1808	2978	4552	5316	4097	2944	6893	5886	4934
64 1992 Regional Report Surplus Deficit	3761	2427	2323	1367	924	-1616	-9.47	1840	3372	-647	457	4716	232	-9.12
65 1993 Regional Report Surplus Deficit	-394	-2505	701	1149	738	-1221	-2073	-1588	2967	1451	2737	6956	5266	2543
66 1994 Regional Report Surplus Deficit	1126	-401	1981	1556	1235	-894	-1267	-296	2506	-170	2101	5872	3920	1612
67 1995 Regional Report Surplus Deficit	646	-1702	1601	1200	519	-754	978	2696	4000	3548	2431	7415	6399	3684
68 1996 Regional Report Surplus Deficit	1530	-241	2738	3246	4578	3928	4718	6670	7506	5801	5966	7822	6189	5016
69 1997 Regional Report Surplus Deficit	3460	2460	3140	1931	2027	1841	4881	6161	7210	5819	5629	7524	6209	5219
70 1998 Regional Report Surplus Deficit	3502	3809	4920	5752	3656	649	1389	3626	3811	2239	3508	7858	6699	4034
71 1999 Regional Report Surplus Deficit	3357	1299	2099	1695	924	1695	3963	5688	6694	3667	4932	7139	6774	5315
72 2000 Regional Report Surplus Deficit	4268	4097	3908	2020	4289	2340	2359	3779	4901	5476	5436	7386	3868	3542
73 2001 Regional Report Surplus Deficit	2878	-989	1399	1628	897	-1226	-703	-42.8	1151	-716	515	4338	-2164	-614
74 2002 Regional Report Surplus Deficit	-68.8	-2737	263	156	641	-649	-771	95.7	2544	2405	4777	6574	6286	4668
75 2003 Regional Report Surplus Deficit	1647	898	1883	1553	1170	-1108	-1022	-338	4498	2351	3040	6516	6227	1457
76 2004 Regional Report Surplus Deficit	-124	-1790	1366	1263	2001	315	-107	-571	3029	1089	2391	6499	4569	2539
77 2005 Regional Report Surplus Deficit	-296	-324	2851	2111	1438	515	886	2779	1989	-151	1669	6855	4677	2227

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2023**

**2017 White Book** Report Date: **6/1/2017** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	1039	-1264	1725	1411	1798	294	2636	4669	4874	5641	5373	7745	6506	3434
79 2007 Regional Report Surplus Deficit	1111	-1384	1323	1212	1851	382	2053	2646	5847	4166	2967	6984	4606	3940
80 2008 Regional Report Surplus Deficit	1151	-1549	1141	1363	1156	-973	2.43	720	2799	1877	209	7235	6965	4357
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>-236</b>	<b>-1891</b>	<b>1316</b>	<b>1304</b>	<b>1225</b>	<b>-215</b>	<b>298</b>	<b>1476</b>	<b>3332</b>	<b>1611</b>	<b>2331</b>	<b>6565</b>	<b>4651</b>	<b>2422</b>
82 <b>Middle 80 pct</b>	<b>2065</b>	<b>414</b>	<b>2444</b>	<b>1952</b>	<b>1790</b>	<b>509</b>	<b>1632</b>	<b>3027</b>	<b>4404</b>	<b>3138</b>	<b>3579</b>	<b>6894</b>	<b>5283</b>	<b>3429</b>
83 <b>Top 10 pct</b>	<b>3969</b>	<b>3906</b>	<b>4864</b>	<b>2921</b>	<b>2814</b>	<b>1114</b>	<b>2137</b>	<b>3420</b>	<b>4002</b>	<b>3129</b>	<b>3028</b>	<b>6263</b>	<b>4319</b>	<b>3546</b>

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**Regional Report Surplus Deficit By Water Year**

**Operating Year 2024**

**2017 White Book Report Date: 6/1/2017**

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	1710	866	1905	1260	711	-1649	-1190	169	665	337	1754	3915	4085	-1660
2 1930 Regional Report Surplus Deficit	264	-1329	1386	1010	562	-1838	-2321	524	788	1131	1831	3597	1675	1242
3 1931 Regional Report Surplus Deficit	454	-1483	1171	1024	652	-1690	-2531	-1374	1700	1217	-1648	4015	395	604
4 1932 Regional Report Surplus Deficit	330	-1759	955	543	61.9	-1716	-1928	-2130	3149	5690	5037	7176	6968	3395
5 1933 Regional Report Surplus Deficit	1832	398	2478	1216	628	538	1940	4075	4284	2706	2811	5832	7499	4829
6 1934 Regional Report Surplus Deficit	3362	2634	2909	2439	4041	3269	4161	6040	6204	6400	4684	6128	5233	1926
7 1935 Regional Report Surplus Deficit	-516	-1494	668	797	144	-1240	1761	3547	4225	1122	3282	5728	5312	3830
8 1936 Regional Report Surplus Deficit	2862	-467	1306	986	543	-1831	-2246	-56.8	1278	1663	4751	7549	6894	2229
9 1937 Regional Report Surplus Deficit	638	-1167	1286	1121	706	-1744	-2599	-1092	315	449	-1545	4711	3399	271
10 1938 Regional Report Surplus Deficit	772	-1348	1404	1108	625	-232	1330	3525	4759	5080	5624	6893	6392	3648
11 1939 Regional Report Surplus Deficit	-160	-1598	1873	1199	465	-1695	552	1511	2476	2898	4157	6329	3378	1930
12 1940 Regional Report Surplus Deficit	449	-1188	1450	1183	962	-194	-327	1499	5150	3445	3444	6089	3908	912
13 1941 Regional Report Surplus Deficit	-453	-2499	1069	769	632	-820	-1303	201	1087	-472	872	4436	2668	437
14 1942 Regional Report Surplus Deficit	-283	-2479	1370	564	1440	1305	1191	2116	2010	1465	2920	5492	5681	4287
15 1943 Regional Report Surplus Deficit	1435	537	2691	1273	179	-554	2292	4084	4937	7228	6066	6591	7472	4772
16 1944 Regional Report Surplus Deficit	2106	297	2074	1253	738	-1545	-670	316	680	12.1	1045	2446	-776	-1472
17 1945 Regional Report Surplus Deficit	-608	-3151	445	316	48.6	-1852	-1789	-412	613	392	-1541	5832	5905	-608
18 1946 Regional Report Surplus Deficit	-32.1	-1593	1406	960	822	-160	1384	3021	4142	5749	5779	6869	6274	4329
19 1947 Regional Report Surplus Deficit	2908	2223	2845	1129	1673	2663	3163	5169	5473	4496	3887	6999	6444	3945
20 1948 Regional Report Surplus Deficit	1814	-66.6	2230	4980	3397	1351	3046	4116	4618	3675	5139	7216	6881	4580
21 1949 Regional Report Surplus Deficit	3342	3109	3434	1798	1236	-559	843	1827	5671	4560	5475	7304	6474	195
22 1950 Regional Report Surplus Deficit	-312	-1983	959	1020	384	-75.7	2852	5616	5646	6072	4712	6203	7605	5185
23 1951 Regional Report Surplus Deficit	3448	3078	3349	2971	3954	2920	4007	6633	6634	6541	4989	6734	6494	4613
24 1952 Regional Report Surplus Deficit	2933	187	2760	4474	2627	1414	2552	4678	4941	6197	6018	7341	6664	3868
25 1953 Regional Report Surplus Deficit	1823	-427	1034	1153	568	-1625	-410	5203	3695	1931	2830	6447	7501	4921
26 1954 Regional Report Surplus Deficit	2329	1084	2849	1720	1633	607	2380	5471	5160	4227	4148	6754	6921	4993
27 1955 Regional Report Surplus Deficit	3621	3718	5730	1888	2649	408	-26.6	1894	-108	1189	1868	5581	7526	5028
28 1956 Regional Report Surplus Deficit	3368	2172	2519	2145	3244	2697	3969	6071	6042	5673	5370	7081	7412	4820
29 1957 Regional Report Surplus Deficit	2975	2603	2943	2157	1215	938	1360	1308	4989	5824	3755	7470	7438	3195
30 1958 Regional Report Surplus Deficit	1699	-155	1607	1184	841	-679	2030	3950	4299	3531	4799	7174	7155	2751
31 1959 Regional Report Surplus Deficit	1781	-500	1607	1562	2452	2207	3709	5566	5422	5310	3811	6323	7006	4805
32 1960 Regional Report Surplus Deficit	3405	2979	6301	6170	4149	1885	1998	3499	4399	7300	4749	5864	6736	3904
33 1961 Regional Report Surplus Deficit	2580	-546	1814	1527	1438	-210	1673	4152	5713	4305	3000	6563	6714	2866
34 1962 Regional Report Surplus Deficit	1558	-444	1736	968	961	-393	1487	3355	1560	6189	5353	6706	6233	2987
35 1963 Regional Report Surplus Deficit	2186	389	1953	2533	2710	1906	2182	3956	3127	1745	2642	6741	6156	3661
36 1964 Regional Report Surplus Deficit	1723	-184	3024	1107	971	-221	356	1525	1984	4758	2547	6254	7520	5080
37 1965 Regional Report Surplus Deficit	3380	2702	3964	2832	2222	2787	4241	6522	6034	3646	5752	6804	6470	3972
38 1966 Regional Report Surplus Deficit	3259	2431	2174	1945	1445	201	1184	2764	2567	6212	3703	5017	5761	3756

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2024**

**2017 White Book** Report Date: 6/1/2017 *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	2518	-370	1924	1027	637	894	3070	5120	5156	3392	-287	6098	7205	4774
40 1968 Regional Report Surplus Deficit	2728	1687	2897	1711	1898	211	2129	4795	5147	1056	1650	4898	6762	4136
41 1969 Regional Report Surplus Deficit	2863	1600	4540	3086	3481	1408	3716	5724	5170	6064	5380	7254	6991	4044
42 1970 Regional Report Surplus Deficit	1527	-298	2289	1834	1334	-851	1941	3578	3347	2357	2235	6552	7293	1768
43 1971 Regional Report Surplus Deficit	1422	-624	1702	1134	692	364	3934	6288	6351	5827	4842	7070	7530	5103
44 1972 Regional Report Surplus Deficit	3510	3448	3413	2325	1646	672	3614	6350	6868	7009	4333	6948	7003	4958
45 1973 Regional Report Surplus Deficit	3567	3518	3616	2125	1749	181	1658	2109	1533	88.1	744	4447	1132	633
46 1974 Regional Report Surplus Deficit	-108	-2155	1285	1018	977	1505	4575	6306	6503	6451	5270	6432	7295	5230
47 1975 Regional Report Surplus Deficit	3565	3588	3382	1157	798	-605	2119	3895	4771	1873	2120	6651	7483	5093
48 1976 Regional Report Surplus Deficit	2718	1976	3635	3384	3783	3426	3878	5781	5783	6428	4709	7089	6970	4893
49 1977 Regional Report Surplus Deficit	3722	4032	6898	2222	956	-1635	-625	511	283	-408	158	1955	-1041	-1632
50 1978 Regional Report Surplus Deficit	-702	-3015	63.1	-151	409	297	1516	3422	3663	5832	4069	6884	5713	3942
51 1979 Regional Report Surplus Deficit	1222	-610	4274	2179	1441	-1295	-570	2734	3811	1534	2879	7086	5044	-588
52 1980 Regional Report Surplus Deficit	-97.0	-1956	1752	1188	574	-1996	720	705	1433	3311	4415	7574	6952	2808
53 1981 Regional Report Surplus Deficit	337	-859	1865	1031	1369	1879	2949	5185	3416	269	2263	6222	7276	4503
54 1982 Regional Report Surplus Deficit	3278	2949	2835	1534	1907	115	2567	6580	6896	6006	4249	6724	7434	5266
55 1983 Regional Report Surplus Deficit	3359	3406	4539	3234	2111	933	3164	5618	6573	4969	3674	6550	6811	4848
56 1984 Regional Report Surplus Deficit	3307	2879	3614	2038	4179	1347	2721	5124	5435	6532	5206	6863	7477	4629
57 1985 Regional Report Surplus Deficit	3064	789	3583	2109	2123	184	1157	2344	2725	4339	4419	6591	4637	1222
58 1986 Regional Report Surplus Deficit	-496	-2239	1704	2409	2718	294	2111	5230	7099	6516	5254	6153	6400	2885
59 1987 Regional Report Surplus Deficit	1510	-1328	1593	1024	1641	320	80.8	1620	3374	596	2299	6200	4576	-177
60 1988 Regional Report Surplus Deficit	-45.3	-2282	1154	864	-221	-2192	-1388	-1443	1276	623	2133	5147	3090	1959
61 1989 Regional Report Surplus Deficit	500	-1304	1299	766	843	-651	-818	-1180	3328	3625	5251	6301	5187	1783
62 1990 Regional Report Surplus Deficit	167	-1341	1169	1150	1502	579	1255	4849	4870	3186	5117	5850	6860	3694
63 1991 Regional Report Surplus Deficit	2757	1540	1868	1041	3762	1428	2710	4726	4922	4707	2977	6248	6536	4633
64 1992 Regional Report Surplus Deficit	3377	2043	1988	1015	590	-2055	-298	2014	2988	-82.2	481	4075	921	-335
65 1993 Regional Report Surplus Deficit	-741	-2884	370	794	402	-1638	-2337	-1483	2581	2034	2760	6326	5926	2227
66 1994 Regional Report Surplus Deficit	765	-771	1646	1202	899	-1300	-1545	-161	2113	397	2124	5234	4585	1289
67 1995 Regional Report Surplus Deficit	290	-2078	1266	845	187	-1164	691	2873	3617	4143	2455	6780	7058	3376
68 1996 Regional Report Surplus Deficit	1172	-612	2404	2887	4259	3554	4436	6840	7105	6367	5968	7172	6841	4707
69 1997 Regional Report Surplus Deficit	3071	2075	2806	1576	1691	1462	4587	6331	6822	6409	5648	6884	6869	4908
70 1998 Regional Report Surplus Deficit	3112	3402	4597	5397	3325	261	1103	3806	3428	2827	3526	7222	7321	3727
71 1999 Regional Report Surplus Deficit	2968	928	1764	1342	591	1316	3696	5854	6289	4284	4956	6510	7446	5004
72 2000 Regional Report Surplus Deficit	3903	3688	3577	1665	3966	1960	2082	3959	4515	6078	5457	6741	4536	3235
73 2001 Regional Report Surplus Deficit	2492	-1366	1068	1274	563	-1647	-990	104	744	-151	537	3687	-1428	-944
74 2002 Regional Report Surplus Deficit	-430	-3117	-65.3	-195	306	-1055	-1054	242	2154	3003	4794	5938	6940	4359
75 2003 Regional Report Surplus Deficit	1283	528	1549	1198	834	-1523	-1302	-204	4116	2941	3059	5882	6870	1135
76 2004 Regional Report Surplus Deficit	-453	-2171	1036	909	1666	-72.7	-395	-449	2642	1672	2414	5864	5229	2224
77 2005 Regional Report Surplus Deficit	-626	-695	2518	1753	1102	132	601	2959	1595	421	1693	6217	5340	1909

**Regional Report Surplus Deficit By Water Year**

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**2017 White Book** Report Date: **6/1/2017** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	677	-1637	1392	1057	1462	-94.6	2364	4845	4486	6260	5414	7104	7163	3127
79 2007 Regional Report Surplus Deficit	759	-1761	995	859	1515	-5.11	1777	2826	5455	4758	2986	6348	5269	3633
80 2008 Regional Report Surplus Deficit	798	-1930	813	1007	819	-1383	-286	883	2412	2460	228	6589	7607	4053
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>-574</b>	<b>-2268</b>	<b>984</b>	<b>950</b>	<b>890</b>	<b>-613</b>	<b>20.8</b>	<b>1627</b>	<b>2938</b>	<b>2190</b>	<b>2350</b>	<b>5930</b>	<b>5312</b>	<b>2106</b>
82 <b>Middle 80 pct</b>	<b>1695</b>	<b>36.2</b>	<b>2112</b>	<b>1597</b>	<b>1457</b>	<b>113</b>	<b>1353</b>	<b>3190</b>	<b>4011</b>	<b>3730</b>	<b>3602</b>	<b>6253</b>	<b>5941</b>	<b>3116</b>
83 <b>Top 10 pct</b>	<b>3593</b>	<b>3506</b>	<b>4533</b>	<b>2565</b>	<b>2483</b>	<b>723</b>	<b>1853</b>	<b>3606</b>	<b>3612</b>	<b>3709</b>	<b>3052</b>	<b>5615</b>	<b>4984</b>	<b>3229</b>

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**Regional Report Surplus Deficit By Water Year**

**Operating Year 2025**

**2017 White Book Report Date: 6/1/2017**

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	1431	543	1519	992	452	-1846	-1415	-550	485	-979	851	3746	2812	-1816
2 1930 Regional Report Surplus Deficit	-34.6	-1653	1000	743	304	-2031	-2556	-192	608	-197	927	3437	372	1058
3 1931 Regional Report Surplus Deficit	163	-1808	784	757	394	-1896	-2775	-2055	1503	-110	-2535	3843	-914	419
4 1932 Regional Report Surplus Deficit	49.6	-2083	569	274	-199	-1916	-2166	-2770	2941	4325	4130	6995	5718	3198
5 1933 Regional Report Surplus Deficit	1556	73.2	2091	949	367	302	1705	3323	4080	1365	1907	5651	6242	4632
6 1934 Regional Report Surplus Deficit	3097	2332	2522	2176	3768	3038	3927	5300	6015	5065	3786	5956	3967	1736
7 1935 Regional Report Surplus Deficit	-836	-1816	279	530	-121	-1445	1529	2792	4021	-205	2384	5545	4043	3630
8 1936 Regional Report Surplus Deficit	2602	-793	918	718	283	-2028	-2490	-772	1089	334	3861	7379	5648	2039
9 1937 Regional Report Surplus Deficit	337	-1489	897	854	449	-1946	-2840	-1787	139	-870	-2433	4531	2114	95.6
10 1938 Regional Report Surplus Deficit	477	-1669	1017	840	365	-455	1104	2770	4556	3723	4723	6712	5122	3448
11 1939 Regional Report Surplus Deficit	-483	-1915	1487	931	204	-1882	331	769	2277	1565	3268	6159	2095	1742
12 1940 Regional Report Surplus Deficit	145	-1510	1063	916	705	-424	-548	760	4949	2101	2544	5913	2633	731
13 1941 Regional Report Surplus Deficit	-766	-2814	683	501	375	-1037	-1531	-517	899	-1788	-30.6	4250	1388	251
14 1942 Regional Report Surplus Deficit	-569	-2803	984	295	1182	1067	965	1366	1811	134	2019	5310	4414	4087
15 1943 Regional Report Surplus Deficit	1163	212	2303	1007	-85.8	-771	2056	3329	4736	5898	5165	6418	6196	4576
16 1944 Regional Report Surplus Deficit	1836	-29.5	1688	984	478	-1738	-892	-406	503	-1303	142	2287	-2104	-1644
17 1945 Regional Report Surplus Deficit	-898	-3469	58.2	47.8	-210	-2057	-2027	-1105	437	-925	-2425	5649	4644	-778
18 1946 Regional Report Surplus Deficit	-341	-1915	1018	691	563	-385	1158	2267	3935	4387	4869	6682	5008	4129
19 1947 Regional Report Surplus Deficit	2647	1912	2459	859	1416	2429	2921	4421	5278	3153	2990	6829	5179	3746
20 1948 Regional Report Surplus Deficit	1540	-393	1844	4716	3133	1113	2804	3362	4416	2344	4253	7030	5665	4381
21 1949 Regional Report Surplus Deficit	3076	2817	3044	1532	978	-779	617	1080	5479	3195	4573	7129	5218	20.3
22 1950 Regional Report Surplus Deficit	-636	-2300	566	751	122	-306	2612	4874	5449	4720	3811	6029	6358	4996
23 1951 Regional Report Surplus Deficit	3183	2782	2961	2708	3688	2687	3817	5780	6369	5195	4089	6566	5228	4409
24 1952 Regional Report Surplus Deficit	2672	-140	2374	4212	2368	1175	2312	3925	4740	4845	5108	7155	5410	3668
25 1953 Regional Report Surplus Deficit	1554	-752	642	884	309	-1823	-634	4453	3487	600	1930	6267	6230	4728
26 1954 Regional Report Surplus Deficit	2064	761	2462	1454	1376	373	2145	4726	4964	2881	3250	6576	5656	4807
27 1955 Regional Report Surplus Deficit	3338	3435	5329	1623	2389	172	-247	1145	-267	-134	967	5405	6290	4847
28 1956 Regional Report Surplus Deficit	3103	1861	2134	1881	2981	2464	3730	5331	5856	4332	4474	6897	6177	4617
29 1957 Regional Report Surplus Deficit	2714	2299	2557	1892	957	701	1132	571	4785	4470	2850	7321	6174	2999
30 1958 Regional Report Surplus Deficit	1419	-481	1221	916	583	-893	1798	3194	4094	2174	3898	6997	5880	2557
31 1959 Regional Report Surplus Deficit	1505	-826	1220	1296	2193	1971	3467	4823	5230	3963	2912	6145	5746	4614
32 1960 Regional Report Surplus Deficit	3140	2682	5909	5898	3876	1648	1762	2744	4193	5968	3826	5687	5483	3704
33 1961 Regional Report Surplus Deficit	2317	-871	1428	1260	1181	-436	1441	3397	5522	2948	2087	6391	5450	2671
34 1962 Regional Report Surplus Deficit	1281	-771	1350	699	703	-617	1258	2600	1368	4825	4442	6525	4971	2792
35 1963 Regional Report Surplus Deficit	1918	62.5	1567	2270	2450	1669	1944	3201	2921	416	1740	6560	4893	3462
36 1964 Regional Report Surplus Deficit	1453	-511	2636	838	712	-446	135	781	1787	3408	1637	6075	6325	4890
37 1965 Regional Report Surplus Deficit	3116	2401	3570	2570	1964	2555	4037	5752	5852	2303	4853	6626	5201	3772
38 1966 Regional Report Surplus Deficit	2998	2123	1788	1681	1188	-30.9	959	2010	2365	4856	2784	4843	4496	3556

**Regional Report Surplus Deficit By Water Year**

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**2017 White Book** Report Date: 6/1/2017 *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	2257	-696	1538	759	377	657	2828	4373	4959	2054	-1185	5932	5991	4582
40 1968 Regional Report Surplus Deficit	2466	1369	2510	1445	1640	-21.3	1896	4044	4948	-273	747	4718	5495	3935
41 1969 Regional Report Surplus Deficit	2603	1282	4140	2824	3217	1170	3477	4983	4971	4672	4451	7075	5735	3844
42 1970 Regional Report Surplus Deficit	1246	-624	1903	1569	1077	-1061	1711	2823	3140	1023	1332	6378	6025	1583
43 1971 Regional Report Surplus Deficit	1138	-949	1315	866	432	132	3695	5544	6168	4497	3959	6887	6327	4906
44 1972 Regional Report Surplus Deficit	3246	3158	3025	2060	1389	438	3372	5598	6659	5680	3438	6791	5775	4766
45 1973 Regional Report Surplus Deficit	3296	3231	3226	1860	1492	-46.9	1430	1360	1342	-1225	-159	4272	-168	450
46 1974 Regional Report Surplus Deficit	-404	-2478	898	750	718	1266	4359	5561	6295	5089	4354	6252	6050	5033
47 1975 Regional Report Surplus Deficit	3298	3303	2993	887	538	-819	1887	3141	4569	541	1216	6479	6204	4914
48 1976 Regional Report Surplus Deficit	2455	1659	3244	3122	3517	3197	3637	5039	5592	5068	3792	6908	5716	4693
49 1977 Regional Report Surplus Deficit	3433	3679	6514	1958	697	-1833	-845	-219	112	-1723	-743	1799	-2371	-1804
50 1978 Regional Report Surplus Deficit	-992	-3335	-330	-422	150	64.4	1288	2666	3457	4483	3166	6707	4448	3741
51 1979 Regional Report Surplus Deficit	934	-935	3877	1916	1184	-1493	-791	1981	3604	205	1979	6895	3772	-757
52 1980 Regional Report Surplus Deficit	-402	-2274	1366	921	315	-2183	498	-18.3	1246	1961	3517	7408	5702	2614
53 1981 Regional Report Surplus Deficit	40.3	-1183	1479	764	1112	1641	2707	4438	3209	-1052	1360	6048	6027	4305
54 1982 Regional Report Surplus Deficit	3014	2653	2448	1267	1650	-114	2330	5836	6707	4679	3369	6554	6154	5079
55 1983 Regional Report Surplus Deficit	3098	3115	4141	2972	1853	697	2923	4872	6382	3619	2774	6366	5553	4654
56 1984 Regional Report Surplus Deficit	3046	2578	3224	1773	3910	1109	2483	4374	5235	5173	4297	6686	6198	4428
57 1985 Regional Report Surplus Deficit	2804	463	3193	1843	1866	-45.4	932	1593	2521	2981	3518	6404	3367	1039
58 1986 Regional Report Surplus Deficit	-828	-2556	1317	2146	2458	60.3	1879	4480	6910	5179	4358	5973	5141	2691
59 1987 Regional Report Surplus Deficit	1228	-1650	1206	755	1384	88.4	-140	877	3167	-727	1395	6021	3307	-350
60 1988 Regional Report Surplus Deficit	-358	-2595	765	596	-480	-2378	-1618	-2111	1086	-697	1230	4974	1805	1770
61 1989 Regional Report Surplus Deficit	210	-1627	911	497	585	-871	-1042	-1850	3121	2283	4354	6124	3918	1596
62 1990 Regional Report Surplus Deficit	-141	-1661	781	883	1244	342	1029	4103	4670	1823	4213	5665	5587	3495
63 1991 Regional Report Surplus Deficit	2496	1222	1482	772	3495	1190	2469	3977	4726	3347	2065	6076	5280	4428
64 1992 Regional Report Surplus Deficit	3111	1731	1602	746	331	-2233	-518	1265	2782	-1397	-422	3899	-374	-515
65 1993 Regional Report Surplus Deficit	-1044	-3202	-19.6	527	144	-1839	-2582	-2163	2377	701	1858	6139	4660	2037
66 1994 Regional Report Surplus Deficit	476	-1097	1260	934	642	-1512	-1776	-871	1916	-920	1222	5055	3314	1106
67 1995 Regional Report Surplus Deficit	-3.51	-2399	880	578	-74.1	-1372	469	2121	3410	2797	1552	6598	5793	3179
68 1996 Regional Report Surplus Deficit	880	-938	2017	2625	3984	3310	4209	6096	6916	5051	5087	7005	5582	4510
69 1997 Regional Report Surplus Deficit	2810	1763	2420	1309	1433	1223	4373	5586	6614	5069	4750	6707	5603	4714
70 1998 Regional Report Surplus Deficit	2852	3113	4200	5130	3062	31.5	880	3051	3221	1489	2628	7040	6093	3529
71 1999 Regional Report Surplus Deficit	2707	603	1378	1073	330	1078	3455	5113	6104	2917	4053	6322	6168	4809
72 2000 Regional Report Surplus Deficit	3619	3400	3187	1398	3696	1723	1850	3204	4311	4726	4557	6569	3262	3037
73 2001 Regional Report Surplus Deficit	2229	-1685	678	1006	304	-1844	-1211	-618	561	-1466	-364	3521	-2770	-1120
74 2002 Regional Report Surplus Deficit	-719	-3434	-458	-466	47.2	-1267	-1280	-479	1954	1655	3898	5756	5679	4162
75 2003 Regional Report Surplus Deficit	997	201	1163	932	576	-1725	-1531	-913	3908	1601	2160	5699	5621	952
76 2004 Regional Report Surplus Deficit	-774	-2487	645	642	1408	-303	-616	-1146	2439	339	1511	5682	3963	2034
77 2005 Regional Report Surplus Deficit	-946	-1020	2131	1490	845	-102	377	2204	1399	-901	790	6038	4071	1721

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2025**

**2017 White Book** Report Date: **6/1/2017** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	389	-1960	1004	789	1205	-324	2127	4094	4284	4890	4494	6928	5900	2928
79 2007 Regional Report Surplus Deficit	461	-2081	603	590	1258	-235	1544	2071	5257	3416	2088	6167	4000	3434
80 2008 Regional Report Surplus Deficit	501	-2246	421	741	562	-1590	-506	145	2209	1127	-670	6417	6358	3852
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>-886</b>	<b>-2588</b>	<b>596</b>	<b>683</b>	<b>631</b>	<b>-832</b>	<b>-210</b>	<b>902</b>	<b>2742</b>	<b>861</b>	<b>1452</b>	<b>5748</b>	<b>4045</b>	<b>1916</b>
82 <b>Middle 80 pct</b>	<b>1415</b>	<b>-282</b>	<b>1724</b>	<b>1330</b>	<b>1197</b>	<b>-108</b>	<b>1123</b>	<b>2452</b>	<b>3814</b>	<b>2388</b>	<b>2700</b>	<b>6076</b>	<b>4677</b>	<b>2924</b>
83 <b>Top 10 pct</b>	<b>3319</b>	<b>3209</b>	<b>4143</b>	<b>2299</b>	<b>2220</b>	<b>496</b>	<b>1628</b>	<b>2844</b>	<b>3411</b>	<b>2378</b>	<b>2149</b>	<b>5446</b>	<b>3713</b>	<b>3040</b>

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**Regional Report Surplus Deficit By Water Year**

**Operating Year 2026**

**2017 White Book Report Date: 6/1/2017**

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	1152	311	1436	834	202	-2627	-2356	-1509	-483	-1279	656	3092	3004	-2793
2 1930 Regional Report Surplus Deficit	-294	-1883	917	583	53.2	-2816	-3487	-1155	-360	-485	733	2774	594	109
3 1931 Regional Report Surplus Deficit	-104	-2038	701	597	143	-2668	-3697	-3052	552	-399	-2746	3192	-687	-529
4 1932 Regional Report Surplus Deficit	-229	-2314	486	116	-447	-2694	-3094	-3808	2001	4074	3939	6353	5886	2263
5 1933 Regional Report Surplus Deficit	1274	-156	2008	789	119	-440	774	2397	3136	1090	1712	5009	6417	3696
6 1934 Regional Report Surplus Deficit	2804	2080	2440	2012	3532	2291	2995	4362	5056	4785	3586	5305	4151	794
7 1935 Regional Report Surplus Deficit	-1074	-2048	199	370	-365	-2218	595	1868	3077	-493	2184	4904	4231	2697
8 1936 Regional Report Surplus Deficit	2304	-1021	837	560	33.4	-2809	-3412	-1735	131	47.2	3653	6726	5812	1096
9 1937 Regional Report Surplus Deficit	80.4	-1722	816	694	197	-2722	-3765	-2771	-832	-1167	-2643	3888	2317	-862
10 1938 Regional Report Surplus Deficit	214	-1903	934	681	115	-1210	164	1846	3611	3464	4526	6070	5310	2515
11 1939 Regional Report Surplus Deficit	-718	-2153	1403	772	-44.5	-2673	-614	-168	1329	1282	3058	5505	2296	797
12 1940 Regional Report Surplus Deficit	-109	-1743	980	756	453	-1172	-1493	-180	4003	1829	2345	5265	2826	-221
13 1941 Regional Report Surplus Deficit	-1011	-3053	600	342	123	-1798	-2469	-1478	-60.7	-2088	-226	3612	1587	-696
14 1942 Regional Report Surplus Deficit	-841	-3034	901	137	931	327	25.3	438	862	-151	1822	4669	4600	3154
15 1943 Regional Report Surplus Deficit	877	-17.6	2222	846	-330	-1533	1126	2405	3789	5612	4968	5767	6390	3639
16 1944 Regional Report Surplus Deficit	1548	-257	1605	826	228	-2523	-1836	-1362	-467	-1604	-53.5	1622	-1858	-2605
17 1945 Regional Report Surplus Deficit	-1166	-3705	-24.5	-111	-461	-2830	-2954	-2091	-535	-1224	-2639	5009	4823	-1741
18 1946 Regional Report Surplus Deficit	-590	-2148	936	533	313	-1138	218	1343	2994	4133	4680	6045	5192	3196
19 1947 Regional Report Surplus Deficit	2350	1668	2376	702	1164	1685	1997	3490	4325	2881	2789	6176	5362	2812
20 1948 Regional Report Surplus Deficit	1255	-621	1761	4554	2887	373	1880	2437	3471	2059	4040	6392	5800	3447
21 1949 Regional Report Surplus Deficit	2784	2554	2965	1371	726	-1537	-323	148	4523	2944	4377	6481	5392	-938
22 1950 Regional Report Surplus Deficit	-870	-2538	489	593	-126	-1054	1686	3937	4498	4456	3613	5380	6523	4052
23 1951 Regional Report Surplus Deficit	2890	2523	2880	2544	3445	1942	2841	4955	5486	4925	3891	5911	5413	3480
24 1952 Regional Report Surplus Deficit	2374	-368	2291	4047	2118	436	1386	2999	3793	4581	4920	6517	5582	2735
25 1953 Regional Report Surplus Deficit	1265	-981	564	726	58.4	-2603	-1576	3524	2547	315	1732	5623	6419	3788
26 1954 Regional Report Surplus Deficit	1771	529	2379	1293	1124	-371	1214	3793	4013	2611	3049	5931	5839	3860
27 1955 Regional Report Surplus Deficit	3063	3164	5260	1461	2140	-570	-1193	215	-1255	-427	770	4758	6444	3895
28 1956 Regional Report Surplus Deficit	2810	1618	2050	1718	2735	1719	2803	4393	4894	4057	4272	6258	6331	3687
29 1957 Regional Report Surplus Deficit	2417	2048	2474	1730	706	-40.3	195	-370	3841	4208	2657	6646	6357	2062
30 1958 Regional Report Surplus Deficit	1141	-709	1137	757	332	-1657	864	2271	3152	1915	3701	6351	6073	1618
31 1959 Regional Report Surplus Deficit	1223	-1054	1137	1135	1943	1229	2543	3887	4275	3695	2713	5499	5924	3672
32 1960 Regional Report Surplus Deficit	2847	2424	5831	5743	3640	906	832	1820	3251	5684	3651	5041	5655	2771
33 1961 Regional Report Surplus Deficit	2022	-1101	1344	1100	929	-1188	507	2473	4565	2689	1901	5740	5632	1733
34 1962 Regional Report Surplus Deficit	1000	-998	1267	541	452	-1371	321	1677	413	4573	4255	5883	5151	1855
35 1963 Regional Report Surplus Deficit	1627	-165	1484	2106	2200	928	1016	2277	1979	129	1543	5917	5074	2528
36 1964 Regional Report Surplus Deficit	1165	-738	2554	680	462	-1199	-810	-154	837	3142	1449	5431	6439	3947
37 1965 Regional Report Surplus Deficit	2822	2147	3494	2405	1713	1809	3075	4843	4887	2030	4654	5981	5388	2839
38 1966 Regional Report Surplus Deficit	2701	1876	1704	1518	936	-777	18.4	1085	1420	4596	2605	4194	4679	2623

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2026**

**2017 White Book** Report Date: **6/1/2017** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	1960	-924	1454	600	128	-84.4	1904	3441	4009	1777	-1385	5274	6123	3641
40 1968 Regional Report Surplus Deficit	2170	1132	2428	1284	1389	-767	963	3117	3999	-560	552	4075	5680	3003
41 1969 Regional Report Surplus Deficit	2305	1046	4070	2659	2971	430	2550	4045	4023	4448	4282	6431	5910	2911
42 1970 Regional Report Surplus Deficit	969	-852	1819	1407	825	-1829	775	1899	2200	741	1137	5729	6212	635
43 1971 Regional Report Surplus Deficit	864	-1178	1232	707	183	-614	2768	4610	5203	4211	3744	6247	6448	3970
44 1972 Regional Report Surplus Deficit	2952	2893	2943	1898	1137	-306	2448	4685	5736	5393	3235	6125	5921	3825
45 1973 Regional Report Surplus Deficit	3009	2963	3147	1698	1240	-797	492	430	385	-1528	-354	3624	50.5	-500
46 1974 Regional Report Surplus Deficit	-666	-2710	816	591	468	527	3410	4627	5371	4835	4172	5609	6214	4097
47 1975 Regional Report Surplus Deficit	3007	3034	2913	731	288	-1583	953	2217	3624	257	1021	5828	6401	3960
48 1976 Regional Report Surplus Deficit	2160	1421	3165	2957	3274	2448	2712	4102	4635	4813	3611	6266	5888	3760
49 1977 Regional Report Surplus Deficit	3164	3477	6428	1795	447	-2613	-1791	-1168	-865	-2024	-940	1132	-2123	-2765
50 1978 Regional Report Surplus Deficit	-1260	-3569	-406	-578	-100	-681	350	1743	2516	4216	2971	6061	4631	2809
51 1979 Regional Report Surplus Deficit	664	-1165	3805	1752	932	-2273	-1736	1055	2663	-81.9	1781	6263	3962	-1721
52 1980 Regional Report Surplus Deficit	-655	-2510	1283	761	64.6	-2974	-446	-973	286	1695	3317	6750	5870	1675
53 1981 Regional Report Surplus Deficit	-221	-1413	1395	604	860	901	1783	3506	2268	-1347	1165	5399	6195	3370
54 1982 Regional Report Surplus Deficit	2720	2394	2366	1107	1398	-863	1401	4902	5748	4390	3151	5901	6352	4133
55 1983 Regional Report Surplus Deficit	2801	2851	4069	2807	1602	-44.7	1998	3940	5426	3353	2576	5726	5730	3715
56 1984 Regional Report Surplus Deficit	2749	2324	3144	1611	3669	369	1555	3445	4287	4916	4108	6039	6395	3496
57 1985 Regional Report Surplus Deficit	2506	234	3114	1682	1614	-794	-8.74	665	1577	2724	3321	5768	3556	89.3
58 1986 Regional Report Surplus Deficit	-1054	-2794	1234	1982	2208	-684	945	3551	5951	4900	4156	5330	5318	1752
59 1987 Regional Report Surplus Deficit	951	-1883	1124	597	1132	-658	-1085	-58.2	2226	-1020	1200	5377	3495	-1310
60 1988 Regional Report Surplus Deficit	-603	-2837	684	437	-731	-3170	-2554	-3121	128	-993	1035	4323	2009	826
61 1989 Regional Report Surplus Deficit	-57.9	-1858	829	339	334	-1629	-1984	-2859	2180	2009	4153	5478	4106	650
62 1990 Regional Report Surplus Deficit	-391	-1895	700	723	992	-399	89.2	3171	3722	1570	4019	5027	5778	2561
63 1991 Regional Report Surplus Deficit	2199	986	1399	614	3252	450	1544	3048	3774	3092	1879	5425	5454	3500
64 1992 Regional Report Surplus Deficit	2819	1488	1518	588	81.0	-3033	-1464	335	1841	-1698	-617	3251	-161	-1468
65 1993 Regional Report Surplus Deficit	-1299	-3439	-99.4	367	-107	-2616	-3503	-3162	1434	419	1662	5503	4844	1094
66 1994 Regional Report Surplus Deficit	207	-1326	1177	775	390	-2278	-2711	-1839	965	-1219	1026	4411	3503	156
67 1995 Regional Report Surplus Deficit	-268	-2633	797	418	-322	-2142	-475	1195	2469	2527	1357	5957	5976	2243
68 1996 Regional Report Surplus Deficit	614	-1167	1935	2460	3750	2576	3271	5162	5957	4751	4870	6349	5759	3574
69 1997 Regional Report Surplus Deficit	2513	1521	2337	1149	1181	484	3421	4652	5690	4793	4549	6060	5787	3775
70 1998 Regional Report Surplus Deficit	2554	2847	4128	4970	2816	-717	-62.8	2128	2280	1211	2428	6398	6240	2594
71 1999 Regional Report Surplus Deficit	2410	374	1295	915	82.2	338	2530	4176	5142	2668	3857	5687	6365	3871
72 2000 Regional Report Surplus Deficit	3345	3134	3108	1238	3457	982	916	2280	3368	4462	4359	5917	3454	2102
73 2001 Regional Report Surplus Deficit	1934	-1921	598	847	53.9	-2625	-2156	-1575	-404	-1767	-561	2864	-2510	-2077
74 2002 Regional Report Surplus Deficit	-988	-3671	-535	-622	-203	-2033	-2220	-1437	1007	1387	3695	5114	5858	3227
75 2003 Regional Report Surplus Deficit	725	-26.8	1079	771	325	-2501	-2468	-1882	2969	1325	1961	5059	5788	1.63
76 2004 Regional Report Surplus Deficit	-1011	-2726	566	482	1156	-1051	-1561	-2127	1494	56.4	1316	5040	4147	1091
77 2005 Regional Report Surplus Deficit	-1184	-1249	2048	1327	593	-846	-565	1280	447	-1195	595	5394	4258	776

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2026**

**2017 White Book** Report Date: **6/1/2017** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	119	-2192	923	630	953	-1073	1198	3166	3339	4644	4316	6281	6082	1994
79 2007 Regional Report Surplus Deficit	201	-2316	526	432	1006	-983	611	1147	4307	3142	1887	5524	4187	2500
80 2008 Regional Report Surplus Deficit	240	-2484	344	580	310	-2361	-1452	-796	1265	844	-870	5765	6525	2920
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>-1132</b>	<b>-2823</b>	<b>515</b>	<b>523</b>	<b>381</b>	<b>-1591</b>	<b>-1145</b>	<b>-51.8</b>	<b>1791</b>	<b>574</b>	<b>1252</b>	<b>5107</b>	<b>4230</b>	<b>973</b>
82 <b>Middle 80 pct</b>	<b>1136</b>	<b>-518</b>	<b>1642</b>	<b>1170</b>	<b>947</b>	<b>-865</b>	<b>188</b>	<b>1512</b>	<b>2864</b>	<b>2114</b>	<b>2503</b>	<b>5430</b>	<b>4859</b>	<b>1983</b>
83 <b>Top 10 pct</b>	<b>3034</b>	<b>2951</b>	<b>4064</b>	<b>2138</b>	<b>1974</b>	<b>-255</b>	<b>687</b>	<b>1929</b>	<b>2466</b>	<b>2093</b>	<b>1954</b>	<b>4792</b>	<b>3902</b>	<b>2096</b>

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**Regional Report Surplus Deficit By Water Year**

**Operating Year 2027**

**2017 White Book Report Date: 6/1/2017**

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	202	-652	529	-140	-726	-2878	-2594	-1664	-564	-956	497	3098	1774	-3030
2 1930 Regional Report Surplus Deficit	-1263	-2848	9.83	-389	-874	-3064	-3736	-1306	-441	-174	574	2789	-667	-156
3 1931 Regional Report Surplus Deficit	-1065	-3002	-206	-375	-784	-2928	-3955	-3169	454	-86.5	-2889	3195	-1953	-795
4 1932 Regional Report Surplus Deficit	-1179	-3278	-421	-858	-1377	-2949	-3345	-3884	1892	4348	3777	6347	4680	1984
5 1933 Regional Report Surplus Deficit	327	-1122	1101	-184	-810	-731	526	2209	3031	1388	1553	5003	5203	3418
6 1934 Regional Report Surplus Deficit	1869	1138	1532	1044	2591	2006	2748	4186	4966	5089	3432	5308	2929	522
7 1935 Regional Report Surplus Deficit	-2065	-3011	-711	-602	-1298	-2478	349	1678	2972	-182	2030	4897	3004	2416
8 1936 Regional Report Surplus Deficit	1373	-1987	-71.7	-414	-895	-3061	-3670	-1886	40.2	358	3507	6730	4609	825
9 1937 Regional Report Surplus Deficit	-892	-2684	-93.2	-279	-729	-2979	-4019	-2901	-910	-847	-2787	3883	1075	-1118
10 1938 Regional Report Surplus Deficit	-752	-2864	27.0	-292	-813	-1488	-75.9	1655	3507	3746	4369	6063	4084	2234
11 1939 Regional Report Surplus Deficit	-1712	-3110	497	-201	-974	-2915	-849	-345	1228	1589	2914	5511	1057	528
12 1940 Regional Report Surplus Deficit	-1084	-2705	72.6	-216	-473	-1457	-1727	-354	3900	2124	2190	5265	1595	-483
13 1941 Regional Report Surplus Deficit	-1995	-4009	-307	-631	-803	-2069	-2710	-1631	-151	-1765	-384	3602	350	-963
14 1942 Regional Report Surplus Deficit	-1798	-3998	-5.70	-837	4.64	34.4	-215	252	762	157	1666	4662	3376	2874
15 1943 Regional Report Surplus Deficit	-65.6	-983	1313	-126	-1264	-1803	877	2215	3687	5922	4811	5770	5157	3362
16 1944 Regional Report Surplus Deficit	608	-1224	698	-149	-700	-2770	-2071	-1520	-546	-1280	-212	1639	-3143	-2858
17 1945 Regional Report Surplus Deficit	-2127	-4664	-932	-1084	-1388	-3089	-3206	-2219	-612	-901	-2779	5001	3606	-1992
18 1946 Regional Report Surplus Deficit	-1570	-3110	28.2	-441	-615	-1417	-21.6	1152	2886	4410	4515	6034	3970	2915
19 1947 Regional Report Surplus Deficit	1418	717	1468	-273	238	1397	1741	3307	4229	3176	2637	6180	4140	2532
20 1948 Regional Report Surplus Deficit	311	-1588	854	3583	1955	80.4	1625	2248	3367	2367	3899	6382	4626	3168
21 1949 Regional Report Surplus Deficit	1847	1622	2054	400	-200	-1812	-562	-33.7	4430	3218	4219	6480	4179	-1194
22 1950 Regional Report Surplus Deficit	-1865	-3495	-424	-381	-1056	-1338	1433	3759	4400	4743	3457	5381	5319	3782
23 1951 Regional Report Surplus Deficit	1954	1587	1971	1576	2510	1655	2638	4666	5320	5218	3735	5918	4189	3196
24 1952 Regional Report Surplus Deficit	1443	-1335	1384	3079	1191	143	1133	2811	3691	4868	4754	6507	4372	2454
25 1953 Regional Report Surplus Deficit	325	-1947	-348	-248	-869	-2856	-1813	3339	2438	623	1576	5619	5191	3514
26 1954 Regional Report Surplus Deficit	835	-434	1472	322	198	-660	966	3612	3915	2904	2896	5927	4617	3593
27 1955 Regional Report Surplus Deficit	2109	2240	4339	491	1211	-861	-1427	30.4	-1316	-111	613	4757	5252	3633
28 1956 Regional Report Surplus Deficit	1874	666	1144	749	1804	1431	2551	4217	4807	4355	4120	6249	5138	3403
29 1957 Regional Report Surplus Deficit	1486	1104	1567	760	-220	-331	-47.6	-543	3736	4493	2497	6672	5135	1785
30 1958 Regional Report Surplus Deficit	191	-1676	231	-216	-595	-1926	619	2080	3045	2197	3544	6349	4841	1343
31 1959 Regional Report Surplus Deficit	276	-2020	230	164	1015	938	2288	3709	4181	3987	2558	5497	4708	3400
32 1960 Regional Report Surplus Deficit	1912	1487	4919	4766	2698	616	582	1629	3144	5992	3473	5039	4445	2490
33 1961 Regional Report Surplus Deficit	1088	-2066	438	128	3.26	-1469	261	2283	4473	2971	1733	5743	4411	1457
34 1962 Regional Report Surplus Deficit	51.9	-1966	360	-434	-475	-1650	78.3	1486	318	4848	4088	5877	3932	1578
35 1963 Regional Report Surplus Deficit	689	-1132	577	1138	1272	636	765	2087	1872	439	1386	5912	3854	2248
36 1964 Regional Report Surplus Deficit	224	-1706	1646	-294	-465	-1479	-1044	-333	738	3431	1283	5427	5286	3676
37 1965 Regional Report Surplus Deficit	1887	1206	2580	1438	786	1522	2857	4638	4803	2326	4499	5978	4162	2558
38 1966 Regional Report Surplus Deficit	1769	928	798	548	9.96	-1064	-220	896	1316	4879	2431	4195	3457	2343

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2027**

**2017 White Book** Report Date: 6/1/2017 *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	1028	-1891	548	-373	-800	-376	1649	3259	3910	2077	-1539	5284	4952	3368
40 1968 Regional Report Surplus Deficit	1237	174	1520	313	463	-1054	717	2929	3899	-250	394	4070	4456	2721
41 1969 Regional Report Surplus Deficit	1374	87.4	3150	1692	2039	137	2297	3869	3922	4695	4098	6427	4696	2630
42 1970 Regional Report Surplus Deficit	17.4	-1819	913	437	-101	-2094	531	1709	2091	1047	979	5730	4986	369
43 1971 Regional Report Surplus Deficit	-91.1	-2144	325	-266	-746	-901	2516	4430	5119	4520	3605	6239	5288	3692
44 1972 Regional Report Surplus Deficit	2017	1963	2034	928	211	-595	2192	4500	5627	5703	3084	6143	4736	3552
45 1973 Regional Report Surplus Deficit	2067	2036	2236	728	314	-1080	251	246	293	-1202	-513	3623	-1206	-764
46 1974 Regional Report Surplus Deficit	-1633	-3673	-91.8	-382	-460	234	3180	4447	5263	5112	4001	5604	5011	3819
47 1975 Regional Report Surplus Deficit	2069	2108	2003	-245	-640	-1851	708	2026	3520	564	862	5831	5165	3700
48 1976 Regional Report Surplus Deficit	1226	464	2253	1990	2339	2164	2457	3925	4543	5091	3438	6260	4677	3479
49 1977 Regional Report Surplus Deficit	2204	2484	5524	826	-481	-2866	-2025	-1333	-937	-1700	-1097	1151	-3409	-3018
50 1978 Regional Report Surplus Deficit	-2221	-4530	-1320	-1554	-1028	-968	109	1552	2408	4506	2813	6058	3410	2527
51 1979 Regional Report Surplus Deficit	-294	-2130	2887	783	6.32	-2525	-1970	867	2555	229	1626	6247	2734	-1971
52 1980 Regional Report Surplus Deficit	-1631	-3468	376	-211	-863	-3215	-681	-1132	196	1985	3163	6760	4664	1400
53 1981 Regional Report Surplus Deficit	-1189	-2378	489	-369	-65.7	609	1528	3324	2160	-1029	1006	5400	4988	3091
54 1982 Regional Report Surplus Deficit	1785	1459	1458	135	472	-1147	1150	4722	5658	4703	3015	5905	5116	3865
55 1983 Regional Report Surplus Deficit	1869	1921	3151	1839	676	-336	1743	3758	5333	3642	2420	5717	4515	3440
56 1984 Regional Report Surplus Deficit	1817	1383	2234	640	2733	76.4	1304	3260	4186	5196	3943	6038	5159	3214
57 1985 Regional Report Surplus Deficit	1575	-732	2203	711	688	-1078	-248	478	1471	3004	3165	5756	2328	-175
58 1986 Regional Report Surplus Deficit	-2056	-3751	327	1013	1281	-972	699	3366	5861	5202	4004	5325	4102	1477
59 1987 Regional Report Surplus Deficit	-0.84	-2845	216	-378	206	-944	-1319	-237	2118	-704	1041	5373	2268	-1564
60 1988 Regional Report Surplus Deficit	-1586	-3790	-225	-536	-1658	-3410	-2797	-3226	36.8	-674	876	4326	767	556
61 1989 Regional Report Surplus Deficit	-1019	-2822	-78.7	-635	-593	-1904	-2221	-2964	2072	2307	4001	5475	2880	382
62 1990 Regional Report Surplus Deficit	-1370	-2856	-209	-249	66.5	-691	-150	2989	3621	1846	3859	5016	4548	2281
63 1991 Regional Report Surplus Deficit	1267	27.5	492	-361	2317	157	1290	2863	3677	3370	1711	5428	4242	3215
64 1992 Regional Report Surplus Deficit	1882	536	612	-386	-847	-3266	-1698	151	1733	-1374	-776	3251	-1413	-1729
65 1993 Regional Report Surplus Deficit	-2273	-4397	-1010	-605	-1033	-2872	-3761	-3277	1328	724	1505	5491	3621	823
66 1994 Regional Report Surplus Deficit	-753	-2292	270	-198	-536	-2545	-2955	-1985	866	-897	868	4407	2275	-108
67 1995 Regional Report Surplus Deficit	-1232	-3594	-110	-554	-1252	-2405	-710	1007	2361	2821	1198	5950	4755	1965
68 1996 Regional Report Surplus Deficit	-348	-2133	1027	1492	2807	2278	3030	4981	5867	5074	4733	6356	4544	3296
69 1997 Regional Report Surplus Deficit	1581	568	1429	177	255	191	3193	4472	5581	5092	4396	6059	4564	3500
70 1998 Regional Report Surplus Deficit	1623	1918	3209	3998	1884	-1001	-299	1937	2171	1512	2275	6392	5054	2315
71 1999 Regional Report Surplus Deficit	1478	-592	388	-58.9	-848	44.9	2275	3998	5055	2940	3700	5673	5129	3595
72 2000 Regional Report Surplus Deficit	2390	2205	2197	266	2518	690	670	2090	3261	4749	4203	5921	2224	1823
73 2001 Regional Report Surplus Deficit	1000	-2880	-312	-126	-874	-2877	-2391	-1732	-488	-1443	-718	2872	-3809	-2334
74 2002 Regional Report Surplus Deficit	-1947	-4629	-1448	-1598	-1131	-2300	-2459	-1593	905	1678	3544	5108	4641	2948
75 2003 Regional Report Surplus Deficit	-232	-993	173	-200	-602	-2758	-2710	-2027	2859	1624	1807	5050	4582	-262
76 2004 Regional Report Surplus Deficit	-2003	-3682	-345	-491	230	-1336	-1795	-2260	1390	362	1158	5033	2924	820
77 2005 Regional Report Surplus Deficit	-2175	-2215	1141	357	-333	-1135	-803	1090	349	-878	436	5390	3033	507

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2027**

**2017 White Book** Report Date: **6/1/2017** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	-840	-3155	14.1	-343	27.0	-1356	948	2980	3235	4914	4141	6279	4861	1714
79 2007 Regional Report Surplus Deficit	-768	-3275	-387	-542	79.9	-1268	365	957	4208	3439	1734	5518	2962	2220
80 2008 Regional Report Surplus Deficit	-728	-3441	-570	-391	-616	-2623	-1686	-969	1160	1150	-1024	5769	5320	2638
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>-2114</b>	<b>-3782</b>	<b>-395</b>	<b>-450</b>	<b>-547</b>	<b>-1865</b>	<b>-1390</b>	<b>-213</b>	<b>1693</b>	<b>884</b>	<b>1098</b>	<b>5100</b>	<b>3006</b>	<b>702</b>
82 <b>Middle 80 pct</b>	<b>187</b>	<b>-1477</b>	<b>734</b>	<b>198</b>	<b>19.1</b>	<b>-1141</b>	<b>-56.5</b>	<b>1338</b>	<b>2766</b>	<b>2411</b>	<b>2346</b>	<b>5428</b>	<b>3638</b>	<b>1710</b>
83 <b>Top 10 pct</b>	<b>2090</b>	<b>2014</b>	<b>3153</b>	<b>1167</b>	<b>1043</b>	<b>-536</b>	<b>449</b>	<b>1732</b>	<b>2364</b>	<b>2402</b>	<b>1795</b>	<b>4798</b>	<b>2674</b>	<b>1826</b>

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**Regional Report Surplus Deficit By Water Year**

**Operating Year 2028**

**2017 White Book Report Date: 6/1/2017**

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	-32.4	-857	374	-333	-812	-3088	-2766	-1445	-738	-2318	-393	2990	2661	-3318
2 1930 Regional Report Surplus Deficit	-1478	-3051	-145	-584	-961	-3276	-3897	-1091	-615	-1524	-316	2672	251	-416
3 1931 Regional Report Surplus Deficit	-1288	-3206	-361	-570	-872	-3129	-4107	-2988	297	-1438	-3795	3089	-1029	-1054
4 1932 Regional Report Surplus Deficit	-1413	-3481	-576	-1050	-1462	-3155	-3504	-3744	1745	3035	2891	6251	5544	1738
5 1933 Regional Report Surplus Deficit	90.1	-1324	946	-377	-896	-901	364	2461	2881	51.7	664	4907	6075	3171
6 1934 Regional Report Surplus Deficit	1619	912	1378	846	2517	1830	2585	4426	4801	3746	2537	5203	3809	269
7 1935 Regional Report Surplus Deficit	-2258	-3216	-864	-797	-1379	-2679	185	1932	2822	-1532	1136	4802	3888	2172
8 1936 Regional Report Surplus Deficit	1120	-2189	-225	-607	-981	-3270	-3821	-1671	-125	-992	2604	6623	5469	571
9 1937 Regional Report Surplus Deficit	-1104	-2889	-246	-472	-817	-3183	-4175	-2707	-1088	-2206	-3692	3786	1975	-1387
10 1938 Regional Report Surplus Deficit	-971	-3071	-128	-485	-899	-1670	-245	1910	3356	2425	3477	5968	4968	1990
11 1939 Regional Report Surplus Deficit	-1902	-3321	341	-395	-1059	-3134	-1024	-104	1073	244	2010	5403	1954	272
12 1940 Regional Report Surplus Deficit	-1294	-2910	-81.8	-411	-561	-1633	-1903	-116	3747	790	1297	5163	2484	-746
13 1941 Regional Report Surplus Deficit	-2195	-4221	-462	-824	-891	-2259	-2878	-1414	-316	-3127	-1275	3510	1244	-1221
14 1942 Regional Report Surplus Deficit	-2025	-4201	-161	-1030	-83.9	-133	-384	502	607	-1190	773	4567	4257	2629
15 1943 Regional Report Surplus Deficit	-308	-1185	1159	-320	-1344	-1993	717	2469	3534	4573	3919	5665	6048	3114
16 1944 Regional Report Surplus Deficit	364	-1425	543	-340	-786	-2984	-2246	-1298	-723	-2642	-1102	1520	-2200	-3130
17 1945 Regional Report Surplus Deficit	-2350	-4873	-1087	-1277	-1475	-3291	-3364	-2027	-790	-2263	-3688	4907	4481	-2266
18 1946 Regional Report Surplus Deficit	-1774	-3315	-126	-633	-702	-1598	-192	1407	2738	3094	3632	5943	4850	2671
19 1947 Regional Report Surplus Deficit	1166	500	1314	-464	149	1224	1587	3554	4070	1842	1740	6073	5020	2287
20 1948 Regional Report Surplus Deficit	71.3	-1789	699	3387	1873	-87.5	1470	2501	3215	1020	2992	6290	5457	2922
21 1949 Regional Report Surplus Deficit	1600	1387	1902	204	-288	-1998	-732	212	4268	1905	3328	6379	5050	-1463
22 1950 Regional Report Surplus Deficit	-2054	-3705	-573	-573	-1140	-1515	1276	4001	4243	3417	2565	5278	6181	3528
23 1951 Regional Report Surplus Deficit	1706	1355	1818	1377	2431	1481	2431	5019	5230	3886	2842	5809	5070	2955
24 1952 Regional Report Surplus Deficit	1190	-1535	1229	2881	1104	-25.2	976	3063	3537	3542	3871	6415	5240	2210
25 1953 Regional Report Surplus Deficit	80.4	-2149	-498	-441	-956	-3064	-1986	3588	2292	-724	683	5521	6077	3263
26 1954 Regional Report Surplus Deficit	587	-638	1317	127	110	-832	805	3857	3757	1572	2001	5828	5497	3336
27 1955 Regional Report Surplus Deficit	1879	1996	4198	295	1126	-1031	-1602	279	-1511	-1465	-278	4656	6102	3371
28 1956 Regional Report Surplus Deficit	1626	450	988	552	1721	1258	2393	4456	4639	3019	3223	6156	5988	3162
29 1957 Regional Report Surplus Deficit	1233	881	1412	564	-308	-501	-215	-306	3586	3169	1609	6544	6014	1538
30 1958 Regional Report Surplus Deficit	-43.5	-1877	75.3	-409	-682	-2118	454	2335	2896	876	2652	6249	5731	1093
31 1959 Regional Report Surplus Deficit	38.9	-2222	75.0	-31.0	928	768	2133	3951	4019	2656	1664	5397	5582	3147
32 1960 Regional Report Surplus Deficit	1663	1257	4769	4576	2625	446	423	1884	2996	4646	2602	4939	5312	2246
33 1961 Regional Report Surplus Deficit	838	-2268	282	-66.7	-85.2	-1649	97.1	2537	4310	1651	853	5638	5290	1208
34 1962 Regional Report Surplus Deficit	-184	-2166	205	-625	-562	-1832	-89.0	1741	157	3535	3206	5780	4809	1330
35 1963 Regional Report Surplus Deficit	443	-1333	422	940	1186	467	607	2341	1724	-909	495	5815	4732	2003
36 1964 Regional Report Surplus Deficit	-18.9	-1906	1492	-486	-553	-1660	-1220	-89.9	581	2104	400	5328	6096	3423
37 1965 Regional Report Surplus Deficit	1638	979	2432	1239	699	1348	2665	4907	4631	991	3605	5879	5046	2314
38 1966 Regional Report Surplus Deficit	1517	708	642	352	-78.6	-1238	-391	1149	1164	3557	1557	4092	4337	2098

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2028**

**2017 White Book** Report Date: 6/1/2017 *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	776	-2092	392	-566	-886	-545	1494	3505	3753	738	-2434	5172	5780	3116
40 1968 Regional Report Surplus Deficit	985	-35.6	1366	117	374	-1228	553	3181	3744	-1599	-497	3973	5338	2478
41 1969 Regional Report Surplus Deficit	1121	-122	3008	1493	1957	-30.6	2140	4109	3767	3409	3234	6328	5567	2386
42 1970 Regional Report Surplus Deficit	-215	-2020	757	241	-190	-2290	365	1963	1944	-298	88.0	5627	5869	111
43 1971 Regional Report Surplus Deficit	-321	-2346	170	-459	-832	-1075	2358	4674	4948	3173	2695	6145	6106	3446
44 1972 Regional Report Surplus Deficit	1767	1725	1881	731	122	-766	2038	4745	5478	4355	2186	6023	5579	3300
45 1973 Regional Report Surplus Deficit	1825	1795	2084	532	225	-1258	82.3	494	130	-2566	-1403	3522	-292	-1025
46 1974 Regional Report Surplus Deficit	-1850	-3878	-246	-575	-546	65.7	3000	4691	5113	3797	3123	5506	5871	3572
47 1975 Regional Report Surplus Deficit	1823	1866	1851	-436	-726	-2044	544	2281	3368	-782	-27.2	5726	6059	3435
48 1976 Regional Report Surplus Deficit	976	253	2103	1791	2259	1988	2303	4166	4380	3774	2562	6164	5546	3236
49 1977 Regional Report Surplus Deficit	1980	2310	5366	629	-568	-3074	-2200	-1104	-1120	-3063	-1989	1029	-2465	-3290
50 1978 Regional Report Surplus Deficit	-2444	-4737	-1469	-1744	-1115	-1142	-59.3	1807	2260	3177	1923	5959	4289	2284
51 1979 Regional Report Surplus Deficit	-520	-2332	2743	586	-82.2	-2734	-2146	1119	2408	-1121	732	6161	3620	-2246
52 1980 Regional Report Surplus Deficit	-1839	-3678	221	-405	-950	-3435	-856	-909	30.1	657	2269	6648	5528	1150
53 1981 Regional Report Surplus Deficit	-1405	-2581	333	-562	-154	440	1373	3570	2012	-2386	116	5297	5852	2845
54 1982 Regional Report Surplus Deficit	1535	1226	1304	-59.1	384	-1324	992	4966	5493	3351	2102	5799	6010	3609
55 1983 Regional Report Surplus Deficit	1617	1683	3007	1641	587	-506	1588	4004	5170	2314	1527	5624	5387	3190
56 1984 Regional Report Surplus Deficit	1565	1156	2082	445	2655	-91.7	1145	3509	4031	3877	3060	5937	6053	2971
57 1985 Regional Report Surplus Deficit	1322	-934	2052	515	599	-1255	-419	729	1322	1685	2272	5666	3213	-435
58 1986 Regional Report Surplus Deficit	-2239	-3961	172	816	1194	-1145	536	3615	5696	3862	3107	5227	4976	1227
59 1987 Regional Report Surplus Deficit	-233	-3051	61.4	-569	117	-1119	-1495	5.68	1971	-2059	152	5274	3152	-1835
60 1988 Regional Report Surplus Deficit	-1788	-4004	-378	-729	-1745	-3630	-2964	-3057	-128	-2032	-13.4	4221	1666	301
61 1989 Regional Report Surplus Deficit	-1242	-3026	-233	-827	-681	-2090	-2394	-2795	1925	970	3104	5376	3763	125
62 1990 Regional Report Surplus Deficit	-1575	-3063	-362	-443	-22.1	-860	-321	3235	3467	532	2970	4925	5436	2036
63 1991 Regional Report Surplus Deficit	1015	-182	337	-552	2238	-10.8	1134	3112	3519	2053	830	5323	5112	2975
64 1992 Regional Report Surplus Deficit	1634	321	456	-578	-933	-3494	-1873	399	1585	-2737	-1666	3149	-503	-1993
65 1993 Regional Report Surplus Deficit	-2483	-4606	-1162	-799	-1122	-3077	-3913	-3098	1178	-620	613	5400	4502	569
66 1994 Regional Report Surplus Deficit	-977	-2493	115	-392	-624	-2739	-3121	-1776	710	-2257	-22.4	4309	3161	-369
67 1995 Regional Report Surplus Deficit	-1452	-3800	-265	-748	-1336	-2603	-884	1259	2214	1488	308	5855	5634	1719
68 1996 Regional Report Surplus Deficit	-570	-2334	873	1294	2735	2115	2861	5225	5701	3712	3821	6247	5417	3049
69 1997 Regional Report Surplus Deficit	1328	353	1275	-17.3	167	22.8	3011	4716	5432	3755	3501	5958	5445	3250
70 1998 Regional Report Surplus Deficit	1370	1679	3066	3803	1802	-1178	-473	2192	2025	172	1379	6296	5897	2070
71 1999 Regional Report Surplus Deficit	1226	-794	233	-251	-932	-123	2120	4240	4886	1629	2809	5585	6022	3346
72 2000 Regional Report Surplus Deficit	2161	1966	2046	71.3	2443	521	506	2344	3112	3423	3310	5815	3111	1577
73 2001 Regional Report Surplus Deficit	750	-3089	-464	-320	-960	-3086	-2566	-1511	-660	-2806	-1609	2761	-2852	-2602
74 2002 Regional Report Surplus Deficit	-2172	-4839	-1597	-1788	-1217	-2494	-2629	-1373	751	348	2647	5012	5516	2702
75 2003 Regional Report Surplus Deficit	-459	-1195	17.3	-395	-690	-2962	-2878	-1818	2713	286	913	4957	5446	-523
76 2004 Regional Report Surplus Deficit	-2196	-3894	-496	-685	142	-1512	-1971	-2063	1239	-982	267	4938	3805	567
77 2005 Regional Report Surplus Deficit	-2368	-2417	986	160	-421	-1307	-974	1344	192	-2233	-454	5292	3915	251

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2028**

**2017 White Book** Report Date: 6/1/2017 *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	-1065	-3360	-139	-536	-61.6	-1533	788	3230	3083	3605	3267	6178	5739	1469
79 2007 Regional Report Surplus Deficit	-983	-3484	-536	-734	-8.69	-1444	201	1211	4051	2103	839	5422	3844	1976
80 2008 Regional Report Surplus Deficit	-944	-3652	-718	-586	-704	-2822	-1861	-732	1009	-195	-1919	5663	6183	2395
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>-2317</b>	<b>-3991</b>	<b>-548</b>	<b>-644</b>	<b>-633</b>	<b>-2051</b>	<b>-1555</b>	<b>12.2</b>	<b>1535</b>	<b>-465</b>	<b>204</b>	<b>5004</b>	<b>3888</b>	<b>448</b>
82 <b>Middle 80 pct</b>	<b>-47.7</b>	<b>-1686</b>	<b>580</b>	<b>3.45</b>	<b>-66.9</b>	<b>-1326</b>	<b>-222</b>	<b>1576</b>	<b>2609</b>	<b>1075</b>	<b>1455</b>	<b>5328</b>	<b>4517</b>	<b>1458</b>
83 <b>Top 10 pct</b>	<b>1850</b>	<b>1784</b>	<b>3002</b>	<b>972</b>	<b>960</b>	<b>-716</b>	<b>278</b>	<b>1993</b>	<b>2210</b>	<b>1054</b>	<b>905</b>	<b>4690</b>	<b>3560</b>	<b>1571</b>

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## **Section 3: Monthly 1-Hour Capacity Operating Year 2019 to 2028**

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

***Monthly 1-Hour Capacity***  
***Operating Year 2019 to 2028***  
***Using 1937-Water Conditions***

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**Loads and Resources - Federal System**  
**Operating Year: 2019 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Obligations</b>														
<b>1 Load Following</b>	4307	4318	4053	4230	4901	5190	5509	4941	4854	4649	4602	4212	4197	4525
2 Preference Customers	4197	4197	3918	4158	4816	5422	5417	5124	4619	4413	4413	4067	4069	4329
3 Federal Agencies	132	132	128	150	188	212	213	196	177	148	148	137	141	149
4 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
5 Federal Diversity	-633	-622	-526	-487	-355	-813	-421	-679	-332	-368	-415	-533	-596	-577
<b>6 Tier 1 Block</b>	343	343	578	485	795	782	849	799	765	382	382	121	0	291
7 Tier 1 Block	343	343	578	485	795	782	849	799	765	382	382	121	0	291
<b>8 Slice</b>	4092	3876	3465	3410	4367	4705	4274	4077	4479	3799	3835	4582	4043	3777
9 Slice Block	1338	1338	1288	1379	1601	1829	1821	1676	1550	1439	1439	1386	1355	1422
10 Slice Output from T1 System	2754	2538	2177	2031	2766	2876	2452	2400	2929	2360	2396	3197	2688	2355
<b>11 Direct Service Industries</b>	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
12 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
<b>13 Contract Deliveries</b>	1581	1581	1443	1412	1547	1539	1537	1537	1434	1421	1421	1351	1351	1366
14 Exports	1554	1554	1417	1386	1374	1366	1363	1363	1338	1324	1324	1324	1324	1340
15 Intra-Regional Transfers (Out)	26.2	26.2	26.2	26.2	173	173	173	173	96.2	96.2	96.2	26.2	26.2	26.2
16 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>17 Total Firm Obligations</b>	<b>10412</b>	<b>10207</b>	<b>9629</b>	<b>9627</b>	<b>11699</b>	<b>12306</b>	<b>12259</b>	<b>11443</b>	<b>11622</b>	<b>10341</b>	<b>10330</b>	<b>10356</b>	<b>9680</b>	<b>10048</b>
<b>Net Resources</b>														
<b>18 Hydro Resources</b>	13816	12836	10999	10199	13513	14135	12137	11906	14310	11808	11970	15613	14492	11912
19 Regulated Hydro - Net	13243	12273	10474	9723	13091	13800	12019	11676	13921	11190	11337	14794	13649	11303
20 Independent Hydro - Net	569	560	522	472	417	330	113	225	385	613	629	815	840	605
21 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
<b>22 Other Resources</b>	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
23 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
26 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>28 Contract Purchases</b>	568	563	533	567	581	580	575	566	568	554	554	574	561	553

**Loads and Resources - Federal System**  
**Operating Year: 2019    Water Year: 1937**  
**2017 White Book    Report Date: 6/1/2017    *Continued***

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<sup>29</sup> Imports	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	76.0
<sup>30</sup> Intra-Regional Transfers (In)	188	188	167	153	150	145	150	142	132	182	182	182	182	182
<sup>31</sup> Non-Federal CER	238	238	238	239	239	240	240	240	240	239	239	239	239	239
<sup>32</sup> Slice Transmission Loss Return	66.3	61.1	52.4	48.9	66.6	69.2	59.0	57.8	70.5	56.8	57.7	76.9	64.7	56.7
<sup>33</sup> Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b><sup>34</sup> Reserves &amp; Losses</b>	<b>-1863</b>	<b>-1802</b>	<b>-1676</b>	<b>-1645</b>	<b>-1883</b>	<b>-1947</b>	<b>-1824</b>	<b>-1794</b>	<b>-1926</b>	<b>-1756</b>	<b>-1766</b>	<b>-1951</b>	<b>-1860</b>	<b>-1748</b>
<sup>35</sup> Contingency Reserves (Spinning)	-382	-367	-335	-333	-398	-420	-391	-380	-406	-363	-365	-396	-388	-356
<sup>36</sup> Contingency Reserves (Non-Spinning)	-382	-367	-335	-333	-398	-420	-391	-380	-406	-363	-365	-396	-388	-356
<sup>37</sup> Load Following Reserves	-360	-360	-360	-361	-361	-361	-361	-361	-361	-361	-361	-361	-361	-361
<sup>38</sup> Generation Imbalance Reserves	-260	-260	-260	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
<sup>39</sup> Transmission Losses	-480	-447	-386	-361	-468	-488	-422	-414	-494	-412	-418	-541	-465	-417
<b><sup>40</sup> Total Net Resources</b>	<b>13649</b>	<b>12726</b>	<b>10991</b>	<b>10256</b>	<b>13351</b>	<b>13906</b>	<b>12032</b>	<b>11820</b>	<b>14096</b>	<b>11743</b>	<b>11896</b>	<b>15375</b>	<b>13194</b>	<b>11847</b>
<b><sup>41</sup> Total Surplus/Deficit</b>	<b>3,237</b>	<b>2,518</b>	<b>1,361</b>	<b>629</b>	<b>1,652</b>	<b>1,600</b>	<b>-227</b>	<b>377</b>	<b>2,474</b>	<b>1,402</b>	<b>1,566</b>	<b>5,019</b>	<b>3,514</b>	<b>1,799</b>

**Loads and Resources - Federal System**  
**Operating Year: 2020 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Obligations</b>														
42 <b>Load Following</b>	4358	4358	4065	4348	4913	5248	5591	4990	5007	4857	4745	4514	4399	4591
43 Preference Customers	4216	4216	3936	4168	4831	5440	5493	5210	4703	4497	4497	4151	4147	4407
44 Federal Agencies	141	141	136	156	198	223	225	206	186	155	155	143	147	156
45 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
46 Federal Diversity	-609	-610	-541	-386	-368	-784	-427	-728	-272	-249	-362	-321	-480	-595
47 <b>Tier 1 Block</b>	346	346	583	511	827	822	893	810	802	405	405	136	9.29	314
48 Tier 1 Block	346	346	583	511	827	822	893	810	802	405	405	136	9.29	314
49 <b>Slice</b>	4155	3913	3522	3387	4317	4593	4283	3979	4391	3863	3476	4553	4159	3933
50 Slice Block	1388	1388	1338	1338	1552	1768	1758	1563	1498	1398	1398	1349	1326	1381
51 Slice Output from T1 System	2767	2525	2183	2049	2765	2825	2526	2416	2893	2464	2077	3204	2833	2552
52 <b>Direct Service Industries</b>	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
53 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
54 <b>Contract Deliveries</b>	1289	1289	1168	1168	1175	1175	1175	1175	1168	1168	1168	1168	1168	1192
55 Exports	1262	1262	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
56 Intra-Regional Transfers (Out)	26.2	26.2	26.2	26.2	33.2	33.2	33.2	33.2	26.2	26.2	26.2	26.2	26.2	26.2
57 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 <b>Total Firm Obligations</b>	<b>10237</b>	<b>9994</b>	<b>9426</b>	<b>9503</b>	<b>11322</b>	<b>11927</b>	<b>12032</b>	<b>11044</b>	<b>11457</b>	<b>10383</b>	<b>9884</b>	<b>10461</b>	<b>9824</b>	<b>10120</b>
<b>Net Resources</b>														
59 <b>Hydro Resources</b>	13639	12542	10819	10230	13370	13770	12314	11811	14092	12190	10407	15690	14027	12801
60 Regulated Hydro - Net	13066	11979	10294	9754	12949	13435	12196	11581	13702	11572	9774	14871	13183	12192
61 Independent Hydro - Net	569	560	522	472	417	330	113	225	385	613	629	815	840	605
62 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
63 <b>Other Resources</b>	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
64 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
67 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 <b>Contract Purchases</b>	563	558	549	431	448	450	443	440	451	441	432	459	450	443

**Loads and Resources - Federal System**  
**Operating Year: 2020 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<sup>70</sup> Imports	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	76.0
<sup>71</sup> Intra-Regional Transfers (In)	182	182	182	16.8	16.8	16.8	16.8	16.8	16.8	66.8	66.8	66.8	66.8	66.8
<sup>72</sup> Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
<sup>73</sup> Slice Transmission Loss Return	66.6	60.8	52.5	49.3	66.6	68.0	60.8	58.2	69.6	59.3	50.0	77.1	68.2	61.4
<sup>74</sup> Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b><sup>75</sup> Reserves &amp; Losses</b>	<b>-1815</b>	<b>-1747</b>	<b>-1651</b>	<b>-1632</b>	<b>-1859</b>	<b>-1910</b>	<b>-1822</b>	<b>-1774</b>	<b>-1901</b>	<b>-1768</b>	<b>-1657</b>	<b>-1944</b>	<b>-1857</b>	<b>-1791</b>
<sup>76</sup> Contingency Reserves (Spinning)	-381	-365	-334	-336	-398	-417	-397	-381	-407	-372	-346	-400	-384	-372
<sup>77</sup> Contingency Reserves (Non-Spinning)	-381	-365	-334	-336	-398	-417	-397	-381	-407	-372	-346	-400	-384	-372
<sup>78</sup> Load Following Reserves	-336	-336	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
<sup>79</sup> Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
<sup>80</sup> Transmission Losses	-475	-439	-381	-358	-459	-472	-424	-407	-483	-421	-362	-540	-485	-443
<b><sup>81</sup> Total Net Resources</b>	<b>13515</b>	<b>12481</b>	<b>10852</b>	<b>10164</b>	<b>13099</b>	<b>13447</b>	<b>12078</b>	<b>11619</b>	<b>13786</b>	<b>12001</b>	<b>10320</b>	<b>15344</b>	<b>13754</b>	<b>12583</b>
<b><sup>82</sup> Total Surplus/Deficit</b>	<b>3,278</b>	<b>2,486</b>	<b>1,426</b>	<b>661</b>	<b>1,778</b>	<b>1,521</b>	<b>47</b>	<b>575</b>	<b>2,329</b>	<b>1,618</b>	<b>435</b>	<b>4,883</b>	<b>3,930</b>	<b>2,464</b>

**Loads and Resources - Federal System**  
**Operating Year: 2021 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Obligations</b>														
83 <b>Load Following</b>	4489	4407	4030	4435	5109	5364	5668	5098	5030	5029	4753	4691	4487	4586
84 Preference Customers	4294	4294	4030	4261	4921	5531	5528	5241	4734	4525	4525	4185	4174	4434
85 Federal Agencies	148	148	142	157	200	224	226	208	187	156	156	144	148	157
86 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
87 Federal Diversity	-564	-645	-675	-393	-264	-759	-385	-651	-280	-107	-383	-179	-419	-629
88 <b>Tier 1 Block</b>	365	365	608	511	827	822	893	839	802	405	405	136	9.53	315
89 Tier 1 Block	365	365	608	511	827	822	893	839	802	405	405	136	9.53	315
90 <b>Slice</b>	3952	3940	3374	3352	4366	4647	4405	4090	4100	3848	3508	4565	3980	3985
91 Slice Block	1352	1352	1301	1375	1594	1816	1806	1663	1539	1436	1436	1385	1361	1417
92 Slice Output from T1 System	2599	2588	2073	1978	2772	2831	2600	2427	2562	2412	2072	3180	2619	2568
93 <b>Direct Service Industries</b>	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
94 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
95 <b>Contract Deliveries</b>	1305	1305	1168	1168	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
96 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
97 Intra-Regional Transfers (Out)	26.2	26.2	26.2	26.2	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
98 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 <b>Total Firm Obligations</b>	<b>10200</b>	<b>10107</b>	<b>9269</b>	<b>9556</b>	<b>11550</b>	<b>12081</b>	<b>12215</b>	<b>11275</b>	<b>11174</b>	<b>10524</b>	<b>9908</b>	<b>10633</b>	<b>9717</b>	<b>10150</b>
<b>Net Resources</b>														
100 <b>Hydro Resources</b>	13105	13052	10474	9902	13402	13798	12655	11864	12566	11951	10383	15578	14175	12875
101 Regulated Hydro - Net	12532	12488	9950	9426	12981	13464	12537	11634	12176	11333	9749	14759	13331	12266
102 Independent Hydro - Net	569	560	522	472	417	330	113	225	385	613	629	815	840	605
103 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
104 <b>Other Resources</b>	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
105 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
108 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 <b>Contract Purchases</b>	444	444	432	413	432	433	428	423	427	423	415	442	428	302



**Loads and Resources - Federal System**  
**Operating Year: 2021 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
111 Imports	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	1.00
112 Intra-Regional Transfers (In)	66.8	66.8	66.8	0	0	0	0	0	0	50.0	50.0	50.0	50.0	0
113 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
114 Slice Transmission Loss Return	62.6	62.3	49.9	47.6	66.7	68.1	62.6	58.4	61.7	58.1	49.9	76.5	63.0	61.8
115 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>116 Reserves &amp; Losses</b>	<b>-1794</b>	<b>-1790</b>	<b>-1632</b>	<b>-1617</b>	<b>-1867</b>	<b>-1898</b>	<b>-1826</b>	<b>-1762</b>	<b>-1789</b>	<b>-1736</b>	<b>-1639</b>	<b>-1929</b>	<b>-1810</b>	<b>-1773</b>
117 Contingency Reserves (Spinning)	-376	-375	-332	-334	-401	-411	-394	-374	-376	-359	-336	-395	-378	-364
118 Contingency Reserves (Non-Spinning)	-376	-375	-332	-334	-401	-411	-394	-374	-376	-359	-336	-395	-378	-364
119 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
120 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
121 Transmission Losses	-453	-451	-366	-346	-460	-473	-435	-409	-433	-413	-362	-536	-451	-441
<b>122 Total Net Resources</b>	<b>12884</b>	<b>12834</b>	<b>10409</b>	<b>9834</b>	<b>13107</b>	<b>13471</b>	<b>12400</b>	<b>11668</b>	<b>12347</b>	<b>11776</b>	<b>10297</b>	<b>15229</b>	<b>12792</b>	<b>12533</b>
<b>123 Total Surplus/Deficit</b>	<b>2,684</b>	<b>2,727</b>	<b>1,140</b>	<b>278</b>	<b>1,557</b>	<b>1,390</b>	<b>186</b>	<b>392</b>	<b>1,173</b>	<b>1,252</b>	<b>389</b>	<b>4,596</b>	<b>3,075</b>	<b>2,383</b>

**Loads and Resources - Federal System**  
**Operating Year: 2022 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Obligations</b>														
124 <b>Load Following</b>	4485	4450	4197	4634	5065	5414	5682	5139	5118	4999	4788	4737	4558	4678
125 Preference Customers	4320	4320	4062	4284	4945	5556	5553	5233	4759	4539	4539	4205	4186	4445
126 Federal Agencies	149	149	142	158	200	225	227	205	188	156	156	145	148	157
127 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
128 Federal Diversity	-595	-629	-542	-217	-332	-736	-397	-600	-218	-152	-362	-153	-361	-548
129 <b>Tier 1 Block</b>	365	365	608	510	827	821	892	838	801	405	405	136	9.26	314
130 Tier 1 Block	365	365	608	510	827	821	892	838	801	405	405	136	9.26	314
131 <b>Slice</b>	4006	3971	3406	3349	4317	4572	4379	4116	4046	3820	3493	4522	4216	3946
132 Slice Block	1388	1388	1336	1343	1558	1774	1764	1625	1503	1403	1403	1354	1330	1385
133 Slice Output from T1 System	2618	2583	2070	2006	2759	2797	2614	2492	2543	2417	2090	3168	2886	2561
134 <b>Direct Service Industries</b>	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
135 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
136 <b>Contract Deliveries</b>	1288	1288	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
137 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
138 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
139 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 <b>Total Firm Obligations</b>	<b>10234</b>	<b>10164</b>	<b>9451</b>	<b>9734</b>	<b>11457</b>	<b>12054</b>	<b>12201</b>	<b>11341</b>	<b>11206</b>	<b>10464</b>	<b>9927</b>	<b>10636</b>	<b>10023</b>	<b>10203</b>
<b>Net Resources</b>														
141 <b>Hydro Resources</b>	13193	13027	10462	10031	13344	13643	12721	12160	12478	11971	10465	15523	14271	12844
142 Regulated Hydro - Net	12620	12464	9937	9555	12923	13309	12603	11930	12088	11354	9832	14704	13427	12236
143 Independent Hydro - Net	569	560	522	472	417	330	113	225	385	613	629	815	840	605
144 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
145 <b>Other Resources</b>	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
146 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
149 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151 <b>Contract Purchases</b>	303	302	290	288	306	307	303	300	301	298	290	316	309	302

**Loads and Resources - Federal System**  
**Operating Year: 2022 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
152 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
153 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
155 Slice Transmission Loss Return	63.0	62.2	49.8	48.3	66.4	67.3	62.9	60.0	61.2	58.2	50.3	76.3	69.5	61.6
156 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>157 Reserves &amp; Losses</b>	<b>-1777</b>	<b>-1764</b>	<b>-1609</b>	<b>-1604</b>	<b>-1842</b>	<b>-1887</b>	<b>-1830</b>	<b>-1779</b>	<b>-1783</b>	<b>-1727</b>	<b>-1633</b>	<b>-1935</b>	<b>-1854</b>	<b>-1775</b>
158 Contingency Reserves (Spinning)	-368	-364	-323	-327	-392	-410	-397	-380	-376	-356	-335	-401	-381	-365
159 Contingency Reserves (Non-Spinning)	-368	-364	-323	-327	-392	-410	-397	-380	-376	-356	-335	-401	-381	-365
160 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
161 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
162 Transmission Losses	-452	-446	-361	-347	-454	-463	-433	-415	-426	-410	-360	-530	-488	-440
<b>163 Total Net Resources</b>	<b>12846</b>	<b>12694</b>	<b>10277</b>	<b>9851</b>	<b>12948</b>	<b>13202</b>	<b>12338</b>	<b>11823</b>	<b>12140</b>	<b>11681</b>	<b>10260</b>	<b>15043</b>	<b>13862</b>	<b>12501</b>
<b>164 Total Surplus/Deficit</b>	<b>2,613</b>	<b>2,530</b>	<b>826</b>	<b>116</b>	<b>1,491</b>	<b>1,148</b>	<b>138</b>	<b>482</b>	<b>934</b>	<b>1,216</b>	<b>333</b>	<b>4,408</b>	<b>3,838</b>	<b>2,299</b>

**Loads and Resources - Federal System**  
**Operating Year: 2023 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Obligations</b>														
165 <b>Load Following</b>	4470	4373	4454	4769	5087	5464	5708	5212	5188	5094	4856	4754	4644	4781
166 Preference Customers	4330	4330	4080	4308	4970	5575	5569	5276	4782	4552	4552	4223	4201	4461
167 Federal Agencies	149	149	143	157	199	224	225	207	187	156	156	144	148	157
168 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
169 Federal Diversity	-620	-717	-303	-105	-334	-702	-386	-573	-170	-68.6	-307	-154	-289	-460
170 <b>Tier 1 Block</b>	365	365	607	511	827	822	893	839	802	405	405	136	9.53	315
171 Tier 1 Block	365	365	607	511	827	822	893	839	802	405	405	136	9.53	315
172 <b>Slice</b>	3995	3931	3427	3419	4366	4640	4456	4190	4030	3867	3531	4567	4087	3997
173 Slice Block	1356	1356	1305	1380	1601	1823	1813	1669	1544	1441	1441	1390	1366	1422
174 Slice Output from T1 System	2639	2574	2122	2039	2766	2817	2643	2520	2485	2426	2090	3176	2721	2575
175 <b>Direct Service Industries</b>	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
176 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
177 <b>Contract Deliveries</b>	1288	1288	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
178 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
179 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
180 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 <b>Total Firm Obligations</b>	<b>10208</b>	<b>10046</b>	<b>9728</b>	<b>9940</b>	<b>11529</b>	<b>12174</b>	<b>12305</b>	<b>11488</b>	<b>11261</b>	<b>10608</b>	<b>10033</b>	<b>10698</b>	<b>9981</b>	<b>10357</b>
<b>Net Resources</b>														
182 <b>Hydro Resources</b>	13287	12989	10701	10184	13373	13732	12855	12292	12213	12015	10465	15561	14645	12906
183 Regulated Hydro - Net	12714	12425	10176	9708	12952	13397	12737	12062	11823	11397	9831	14742	13801	12298
184 Independent Hydro - Net	569	560	522	472	417	330	113	225	385	613	629	815	840	605
185 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
186 <b>Other Resources</b>	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
187 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
190 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 <b>Contract Purchases</b>	304	302	291	289	307	308	304	301	300	298	290	316	305	302

**Loads and Resources - Federal System**  
**Operating Year: 2023    Water Year: 1937**  
**2017 White Book    Report Date: 6/1/2017    *Continued***

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
193 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
194 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
196 Slice Transmission Loss Return	63.5	62.0	51.1	49.1	66.6	67.8	63.6	60.7	59.8	58.4	50.3	76.5	65.5	62.0
197 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>198 Reserves &amp; Losses</b>	<b>-1786</b>	<b>-1768</b>	<b>-1628</b>	<b>-1617</b>	<b>-1847</b>	<b>-1895</b>	<b>-1842</b>	<b>-1791</b>	<b>-1770</b>	<b>-1733</b>	<b>-1637</b>	<b>-1940</b>	<b>-1842</b>	<b>-1782</b>
199 Contingency Reserves (Spinning)	-371	-367	-328	-331	-394	-413	-400	-384	-374	-359	-336	-403	-388	-368
200 Contingency Reserves (Non-Spinning)	-371	-367	-328	-331	-394	-413	-400	-384	-374	-359	-336	-403	-388	-368
201 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
202 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
203 Transmission Losses	-455	-445	-369	-352	-455	-466	-437	-419	-417	-411	-360	-531	-462	-442
<b>204 Total Net Resources</b>	<b>12932</b>	<b>12651</b>	<b>10499</b>	<b>9992</b>	<b>12972</b>	<b>13282</b>	<b>12461</b>	<b>11944</b>	<b>11886</b>	<b>11718</b>	<b>10256</b>	<b>15076</b>	<b>13108</b>	<b>12556</b>
<b>205 Total Surplus/Deficit</b>	<b>2,724</b>	<b>2,605</b>	<b>771</b>	<b>52</b>	<b>1,443</b>	<b>1,108</b>	<b>156</b>	<b>455</b>	<b>626</b>	<b>1,110</b>	<b>223</b>	<b>4,378</b>	<b>3,128</b>	<b>2,199</b>

**Loads and Resources - Federal System**  
**Operating Year: 2024 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Obligations</b>														
206 <b>Load Following</b>	4548	4460	4530	4873	5112	5587	5578	5155	5156	5148	4925	4935	4792	4992
207 Preference Customers	4345	4345	4093	4331	4994	5591	5583	5279	4797	4563	4563	4235	4215	4475
208 Federal Agencies	149	149	142	158	200	224	226	208	187	156	156	145	148	157
209 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
210 Federal Diversity	-556	-644	-240	-24.3	-334	-598	-531	-633	-219	-26.7	-249	14.9	-155	-264
211 <b>Tier 1 Block</b>	365	365	608	511	829	823	894	811	803	406	406	136	9.29	315
212 Tier 1 Block	365	365	608	511	829	823	894	811	803	406	406	136	9.29	315
213 <b>Slice</b>	4015	3966	3491	3360	4330	4586	4393	4072	4057	3832	3506	4530	4226	3957
214 Slice Block	1393	1393	1341	1353	1569	1787	1777	1579	1513	1412	1412	1363	1339	1394
215 Slice Output from T1 System	2622	2573	2150	2007	2761	2799	2616	2493	2544	2421	2094	3167	2887	2563
216 <b>Direct Service Industries</b>	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
217 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
218 <b>Contract Deliveries</b>	1288	1288	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
219 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
220 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
221 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 <b>Total Firm Obligations</b>	<b>10305</b>	<b>10169</b>	<b>9868</b>	<b>9986</b>	<b>11518</b>	<b>12243</b>	<b>12112</b>	<b>11286</b>	<b>11257</b>	<b>10627</b>	<b>10078</b>	<b>10843</b>	<b>10268</b>	<b>10528</b>
<b>Net Resources</b>														
223 <b>Hydro Resources</b>	13210	12981	10828	10038	13352	13651	12729	12166	12486	11989	10482	15520	14278	12851
224 Regulated Hydro - Net	12637	12417	10304	9562	12930	13316	12611	11936	12096	11371	9849	14701	13434	12243
225 Independent Hydro - Net	569	560	522	472	417	330	113	225	385	613	629	815	840	605
226 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
227 <b>Other Resources</b>	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
228 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
231 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
232 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233 <b>Contract Purchases</b>	303	302	292	288	306	307	303	300	301	298	290	316	309	302

**Loads and Resources - Federal System**  
**Operating Year: 2024 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
234 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
235 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
236 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
237 Slice Transmission Loss Return	63.1	61.9	51.7	48.3	66.5	67.4	63.0	60.0	61.2	58.3	50.4	76.2	69.5	61.7
238 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>239 Reserves &amp; Losses</b>	<b>-1785</b>	<b>-1770</b>	<b>-1639</b>	<b>-1612</b>	<b>-1850</b>	<b>-1894</b>	<b>-1837</b>	<b>-1785</b>	<b>-1790</b>	<b>-1744</b>	<b>-1650</b>	<b>-1932</b>	<b>-1861</b>	<b>-1782</b>
240 Contingency Reserves (Spinning)	-372	-369	-332	-331	-396	-413	-400	-383	-380	-365	-343	-399	-384	-369
241 Contingency Reserves (Non-Spinning)	-372	-369	-332	-331	-396	-413	-400	-383	-380	-365	-343	-399	-384	-369
242 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
243 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
244 Transmission Losses	-452	-444	-373	-347	-454	-463	-433	-415	-426	-410	-360	-530	-488	-440
<b>245 Total Net Resources</b>	<b>12856</b>	<b>12640</b>	<b>10616</b>	<b>9851</b>	<b>12948</b>	<b>13202</b>	<b>12338</b>	<b>11823</b>	<b>12140</b>	<b>11681</b>	<b>10260</b>	<b>15043</b>	<b>13862</b>	<b>12501</b>
<b>246 Total Surplus/Deficit</b>	<b>2,551</b>	<b>2,472</b>	<b>748</b>	<b>-135</b>	<b>1,430</b>	<b>959</b>	<b>226</b>	<b>537</b>	<b>883</b>	<b>1,053</b>	<b>182</b>	<b>4,201</b>	<b>3,594</b>	<b>1,973</b>

**Loads and Resources - Federal System**  
**Operating Year: 2025 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Obligations</b>														
247 <b>Load Following</b>	4658	4509	4805	4990	5072	5531	5598	5321	5207	5188	4961	4873	4835	4985
248 Preference Customers	4357	4357	4103	4342	5011	5609	5602	5313	4822	4589	4589	4268	4256	4515
249 Federal Agencies	149	149	143	159	202	227	229	210	189	158	158	146	150	159
250 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
251 Federal Diversity	-459	-608	24.0	79.6	-393	-674	-532	-503	-194	-13.8	-240	-82.0	-154	-313
252 <b>Tier 1 Block</b>	366	366	609	510	827	822	892	839	802	405	405	136	9.53	314
253 Tier 1 Block	366	366	609	510	827	822	892	839	802	405	405	136	9.53	314
254 <b>Slice</b>	4005	3940	3437	3427	4375	4650	4466	4199	4038	3877	3541	4572	4093	4004
255 Slice Block	1365	1365	1314	1386	1608	1832	1821	1677	1552	1448	1448	1396	1371	1428
256 Slice Output from T1 System	2640	2575	2124	2041	2767	2818	2645	2522	2486	2430	2093	3175	2722	2576
257 <b>Direct Service Industries</b>	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
258 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
259 <b>Contract Deliveries</b>	1288	1288	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
260 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
261 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
262 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
263 <b>Total Firm Obligations</b>	<b>10407</b>	<b>10192</b>	<b>10091</b>	<b>10168</b>	<b>11522</b>	<b>12251</b>	<b>12204</b>	<b>11606</b>	<b>11288</b>	<b>10712</b>	<b>10149</b>	<b>10822</b>	<b>10178</b>	<b>10568</b>
<b>Net Resources</b>														
264 <b>Hydro Resources</b>	13294	12993	10707	10192	13381	13739	12862	12299	12220	12031	10481	15557	14651	12912
265 Regulated Hydro - Net	12721	12429	10183	9716	12959	13404	12744	12069	11830	11413	9848	14738	13807	12303
266 Independent Hydro - Net	569	560	522	472	417	330	113	225	385	613	629	815	840	605
267 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
268 <b>Other Resources</b>	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
269 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
270 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
271 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
272 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
273 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
274 <b>Contract Purchases</b>	304	302	291	289	307	308	304	301	300	298	290	316	306	302



**Loads and Resources - Federal System**  
**Operating Year: 2025 Water Year: 1937**  
**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
275 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
276 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
277 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
278 Slice Transmission Loss Return	63.5	62.0	51.1	49.1	66.6	67.8	63.7	60.7	59.8	58.5	50.4	76.4	65.5	62.0
279 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>280 Reserves &amp; Losses</b>	<b>-1793</b>	<b>-1771</b>	<b>-1634</b>	<b>-1624</b>	<b>-1855</b>	<b>-1903</b>	<b>-1848</b>	<b>-1798</b>	<b>-1776</b>	<b>-1749</b>	<b>-1653</b>	<b>-1937</b>	<b>-1848</b>	<b>-1788</b>
281 Contingency Reserves (Spinning)	-375	-369	-332	-335	-398	-416	-404	-388	-378	-367	-344	-401	-391	-371
282 Contingency Reserves (Non-Spinning)	-375	-369	-332	-335	-398	-416	-404	-388	-378	-367	-344	-401	-391	-371
283 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
284 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
285 Transmission Losses	-455	-445	-369	-352	-455	-466	-437	-419	-417	-411	-360	-531	-462	-442
<b>286 Total Net Resources</b>	<b>12932</b>	<b>12651</b>	<b>10499</b>	<b>9992</b>	<b>12973</b>	<b>13282</b>	<b>12461</b>	<b>11944</b>	<b>11886</b>	<b>11718</b>	<b>10256</b>	<b>15076</b>	<b>13108</b>	<b>12556</b>
<b>287 Total Surplus/Deficit</b>	<b>2,525</b>	<b>2,459</b>	<b>408</b>	<b>-175</b>	<b>1,451</b>	<b>1,032</b>	<b>256</b>	<b>337</b>	<b>599</b>	<b>1,006</b>	<b>108</b>	<b>4,254</b>	<b>2,930</b>	<b>1,988</b>

**Loads and Resources - Federal System**  
**Operating Year: 2026 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Obligations</b>														
288 <b>Load Following</b>	4753	4560	4747	4953	5148	5351	5626	5326	5257	5220	4984	4767	4769	4994
289 Preference Customers	4395	4395	4140	4369	5032	5648	5629	5311	4839	4613	4613	4285	4275	4536
290 Federal Agencies	151	151	144	161	204	229	231	209	191	160	160	147	151	161
291 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
292 Federal Diversity	-404	-596	-72.4	13.6	-339	-895	-534	-496	-162	-7.45	-243	-206	-242	-326
293 <b>Tier 1 Block</b>	365	365	608	510	827	821	892	838	801	405	405	136	9.26	314
294 Tier 1 Block	365	365	608	510	827	821	892	838	801	405	405	136	9.26	314
295 <b>Slice</b>	4022	3972	3497	3365	4336	4589	4396	4132	4060	3834	3507	4533	4226	3957
296 Slice Block	1399	1399	1346	1357	1574	1794	1783	1642	1519	1417	1417	1367	1342	1398
297 Slice Output from T1 System	2623	2574	2151	2008	2762	2796	2612	2490	2541	2417	2090	3166	2884	2559
298 <b>Direct Service Industries</b>	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
299 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
300 <b>Contract Deliveries</b>	1288	1288	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
301 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
302 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
303 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
304 <b>Total Firm Obligations</b>	<b>10517</b>	<b>10275</b>	<b>10092</b>	<b>10069</b>	<b>11559</b>	<b>12009</b>	<b>12162</b>	<b>11543</b>	<b>11359</b>	<b>10700</b>	<b>10138</b>	<b>10677</b>	<b>10245</b>	<b>10529</b>
<b>Net Resources</b>														
305 <b>Hydro Resources</b>	13216	12987	10834	10043	13357	13636	12713	12152	12470	11973	10466	15514	14262	12835
306 Regulated Hydro - Net	12643	12423	10309	9567	12935	13301	12596	11922	12080	11355	9833	14695	13418	12227
307 Independent Hydro - Net	569	560	522	472	417	330	113	225	385	613	629	815	840	605
308 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
309 <b>Other Resources</b>	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
310 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
311 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
312 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
313 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
314 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
315 <b>Contract Purchases</b>	303	302	292	288	306	307	303	300	301	298	290	316	309	302

**Loads and Resources - Federal System**  
**Operating Year: 2026 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
316 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
317 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
318 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
319 Slice Transmission Loss Return	63.1	62.0	51.8	48.3	66.5	67.3	62.9	59.9	61.2	58.2	50.3	76.2	69.4	61.6
320 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>321 Reserves &amp; Losses</b>	<b>-1791</b>	<b>-1776</b>	<b>-1644</b>	<b>-1617</b>	<b>-1855</b>	<b>-1879</b>	<b>-1822</b>	<b>-1771</b>	<b>-1774</b>	<b>-1728</b>	<b>-1635</b>	<b>-1926</b>	<b>-1845</b>	<b>-1766</b>
322 Contingency Reserves (Spinning)	-375	-371	-335	-334	-398	-406	-393	-376	-372	-357	-335	-396	-376	-361
323 Contingency Reserves (Non-Spinning)	-375	-371	-335	-334	-398	-406	-393	-376	-372	-357	-335	-396	-376	-361
324 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
325 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
326 Transmission Losses	-452	-444	-373	-347	-454	-463	-433	-415	-426	-410	-360	-530	-488	-440
<b>327 Total Net Resources</b>	<b>12856</b>	<b>12640</b>	<b>10616</b>	<b>9851</b>	<b>12948</b>	<b>13202</b>	<b>12338</b>	<b>11823</b>	<b>12140</b>	<b>11681</b>	<b>10260</b>	<b>15043</b>	<b>13862</b>	<b>12501</b>
<b>328 Total Surplus/Deficit</b>	<b>2,339</b>	<b>2,365</b>	<b>525</b>	<b>-218</b>	<b>1,389</b>	<b>1,193</b>	<b>176</b>	<b>280</b>	<b>781</b>	<b>980</b>	<b>122</b>	<b>4,367</b>	<b>3,617</b>	<b>1,972</b>

**Loads and Resources - Federal System**  
**Operating Year: 2027 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Obligations</b>														
329 <b>Load Following</b>	4781	4567	4735	4910	5073	5595	5668	5367	5220	5277	4867	4786	4797	5007
330 Preference Customers	4415	4415	4150	4379	5043	5665	5651	5361	4850	4632	4632	4296	4295	4556
331 Federal Agencies	152	152	146	161	205	230	232	213	192	160	160	148	152	161
332 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
333 Federal Diversity	-396	-610	-95.3	-40.1	-428	-668	-514	-508	-212	30.0	-380	-199	-234	-335
334 <b>Tier 1 Block</b>	365	365	607	511	827	822	893	839	802	405	405	136	9.53	315
335 Tier 1 Block	365	365	607	511	827	822	893	839	802	405	405	136	9.53	315
336 <b>Slice</b>	4006	3941	3438	3430	4380	4657	4472	4204	4043	3881	3545	4577	4096	4007
337 Slice Block	1369	1369	1318	1392	1616	1842	1831	1686	1560	1455	1455	1404	1378	1435
338 Slice Output from T1 System	2637	2572	2120	2037	2763	2815	2641	2518	2483	2426	2090	3174	2718	2572
339 <b>Direct Service Industries</b>	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
340 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
341 <b>Contract Deliveries</b>	1288	1288	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
342 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
343 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
344 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
345 <b>Total Firm Obligations</b>	<b>10529</b>	<b>10251</b>	<b>10020</b>	<b>10091</b>	<b>11528</b>	<b>12321</b>	<b>12281</b>	<b>11658</b>	<b>11306</b>	<b>10805</b>	<b>10059</b>	<b>10740</b>	<b>10142</b>	<b>10593</b>
<b>Net Resources</b>														
346 <b>Hydro Resources</b>	13277	12979	10691	10176	13363	13722	12845	12282	12202	12015	10465	15548	14633	12896
347 Regulated Hydro - Net	12704	12416	10166	9700	12942	13388	12727	12053	11812	11397	9832	14729	13789	12287
348 Independent Hydro - Net	569	560	522	472	417	330	113	225	385	613	629	815	840	605
349 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
350 <b>Other Resources</b>	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
351 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
352 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
353 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
354 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
355 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
356 <b>Contract Purchases</b>	303	302	291	289	307	308	304	301	300	298	290	316	305	302

**Loads and Resources - Federal System**  
**Operating Year: 2027    Water Year: 1937**  
**2017 White Book    Report Date: 6/1/2017    *Continued***

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
357 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
358 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
359 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
360 Slice Transmission Loss Return	63.5	61.9	51.0	49.0	66.5	67.7	63.6	60.6	59.8	58.4	50.3	76.4	65.4	61.9
361 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>362 Reserves &amp; Losses</b>	<b>-1777</b>	<b>-1758</b>	<b>-1618</b>	<b>-1609</b>	<b>-1838</b>	<b>-1886</b>	<b>-1832</b>	<b>-1781</b>	<b>-1759</b>	<b>-1733</b>	<b>-1637</b>	<b>-1928</b>	<b>-1831</b>	<b>-1772</b>
363 Contingency Reserves (Spinning)	-367	-362	-323	-327	-389	-408	-395	-379	-369	-359	-336	-397	-382	-363
364 Contingency Reserves (Non-Spinning)	-367	-362	-323	-327	-389	-408	-395	-379	-369	-359	-336	-397	-382	-363
365 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
366 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
367 Transmission Losses	-455	-445	-369	-352	-455	-466	-437	-419	-417	-411	-360	-531	-462	-442
<b>368 Total Net Resources</b>	<b>12932</b>	<b>12651</b>	<b>10499</b>	<b>9992</b>	<b>12972</b>	<b>13282</b>	<b>12461</b>	<b>11944</b>	<b>11886</b>	<b>11718</b>	<b>10256</b>	<b>15076</b>	<b>13108</b>	<b>12556</b>
<b>369 Total Surplus/Deficit</b>	<b>2,403</b>	<b>2,401</b>	<b>479</b>	<b>-99</b>	<b>1,445</b>	<b>961</b>	<b>179</b>	<b>286</b>	<b>581</b>	<b>913</b>	<b>197</b>	<b>4,335</b>	<b>2,966</b>	<b>1,963</b>

**Loads and Resources - Federal System**  
**Operating Year: 2028 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Obligations</b>														
370 <b>Load Following</b>	4787	4556	4723	4936	4988	5620	5688	5382	5251	5163	4895	4754	4762	5080
371 Preference Customers	4434	4434	4160	4389	5054	5677	5668	5379	4861	4646	4646	4306	4307	4565
372 Federal Agencies	153	153	146	162	206	231	233	214	193	161	161	149	152	162
373 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
374 Federal Diversity	-411	-642	-117	-24.6	-524	-656	-512	-512	-192	-98.3	-366	-241	-282	-271
375 <b>Tier 1 Block</b>	365	365	608	511	829	823	894	811	803	406	406	136	9.28	315
376 Tier 1 Block	365	365	608	511	829	823	894	811	803	406	406	136	9.28	315
377 <b>Slice</b>	4025	3975	3500	3371	4343	4603	4409	4087	4072	3845	3518	4543	4236	3967
378 Slice Block	1405	1405	1353	1366	1585	1807	1796	1597	1530	1427	1427	1377	1351	1407
379 Slice Output from T1 System	2620	2570	2147	2005	2758	2796	2613	2491	2541	2418	2091	3166	2884	2560
380 <b>Direct Service Industries</b>	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
381 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
382 <b>Contract Deliveries</b>	1288	1288	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
383 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
384 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
385 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
386 <b>Total Firm Obligations</b>	<b>10555</b>	<b>10274</b>	<b>10071</b>	<b>10059</b>	<b>11408</b>	<b>12294</b>	<b>12240</b>	<b>11528</b>	<b>11367</b>	<b>10655</b>	<b>10060</b>	<b>10674</b>	<b>10247</b>	<b>10626</b>
<b>Net Resources</b>														
387 <b>Hydro Resources</b>	13199	12970	10817	10027	13339	13638	12717	12156	12472	11976	10470	15515	14264	12839
388 Regulated Hydro - Net	12627	12407	10292	9551	12918	13304	12599	11926	12082	11359	9837	14696	13421	12230
389 Independent Hydro - Net	569	560	522	472	417	330	113	225	385	613	629	815	840	605
390 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
391 <b>Other Resources</b>	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
392 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
393 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
394 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
395 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
396 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
397 <b>Contract Purchases</b>	303	302	292	288	306	307	303	300	301	298	290	316	309	302

**Loads and Resources - Federal System**  
**Operating Year: 2028    Water Year: 1937**  
**2017 White Book    Report Date: 6/1/2017    *Continued***

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
398 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
399 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
401 Slice Transmission Loss Return	63.1	61.9	51.7	48.3	66.4	67.3	62.9	60.0	61.2	58.2	50.3	76.2	69.4	61.6
402 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>403 Reserves &amp; Losses</b>	<b>-1774</b>	<b>-1760</b>	<b>-1627</b>	<b>-1601</b>	<b>-1837</b>	<b>-1882</b>	<b>-1825</b>	<b>-1775</b>	<b>-1777</b>	<b>-1732</b>	<b>-1638</b>	<b>-1927</b>	<b>-1847</b>	<b>-1769</b>
404 Contingency Reserves (Spinning)	-367	-363	-326	-326	-389	-407	-394	-378	-373	-359	-337	-397	-377	-363
405 Contingency Reserves (Non-Spinning)	-367	-363	-326	-326	-389	-407	-394	-378	-373	-359	-337	-397	-377	-363
406 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
407 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
408 Transmission Losses	-452	-444	-373	-347	-454	-463	-433	-415	-426	-410	-360	-530	-488	-440
<b>409 Total Net Resources</b>	<b>12856</b>	<b>12640</b>	<b>10616</b>	<b>9851</b>	<b>12948</b>	<b>13202</b>	<b>12338</b>	<b>11823</b>	<b>12140</b>	<b>11681</b>	<b>10260</b>	<b>15043</b>	<b>13862</b>	<b>12501</b>
<b>410 Total Surplus/Deficit</b>	<b>2,301</b>	<b>2,366</b>	<b>546</b>	<b>-208</b>	<b>1,540</b>	<b>908</b>	<b>98</b>	<b>295</b>	<b>773</b>	<b>1,026</b>	<b>200</b>	<b>4,369</b>	<b>3,615</b>	<b>1,875</b>

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

***Monthly 1-Hour Capacity  
Operating Year 2019 to 2028  
Using 1937-Water Conditions***

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**Loads and Resources - Pacific Northwest Region**

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

**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regional Loads</b>														
<b>1 Retail Loads</b>	30853	30864	27835	28024	31933	34318	34339	32639	30298	28731	28684	27751	29246	31340
2 Federal Agency	144	144	140	162	197	221	221	204	185	160	160	149	153	161
3 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
4 Cooperative	2795	2795	2578	2586	2955	3334	3318	3144	2855	2813	2813	2756	2812	2982
5 Municipality	3230	3230	3081	3430	3888	4296	4314	4125	3771	3494	3494	3127	3087	3246
6 Public Utility District	5917	5917	5575	6051	6928	7624	7667	7248	6781	6342	6342	5758	5641	5915
7 Investor-Owned Utility	18364	18364	16028	15447	17642	18860	18514	17870	16223	15408	15408	15526	17140	18563
8 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
9 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
10 Federal Diversity	-633	-622	-526	-487	-355	-813	-421	-679	-332	-368	-415	-533	-596	-577
<b>11 Exports</b>	1935	1935	1798	1458	1431	1423	1421	1421	1395	1382	1390	1390	1699	1715
12 Canada	1445	1445	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1340
13 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
14 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Pacific Southwest	483	483	466	126	106	97.9	95.8	95.8	70.0	56.7	64.7	64.7	374	374
16 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>17 Total Regional Loads</b>	<b>32788</b>	<b>32799</b>	<b>29633</b>	<b>29482</b>	<b>33365</b>	<b>35741</b>	<b>35760</b>	<b>34060</b>	<b>31694</b>	<b>30113</b>	<b>30074</b>	<b>29141</b>	<b>30945</b>	<b>33054</b>
<b>Regional Resources</b>														
<b>18 Hydro Resources</b>	25175	24057	21520	21038	24688	25338	23502	22814	25204	22532	22635	26841	26664	23659
19 Regulated Hydro - Net	23119	22011	19586	19208	22988	23671	22094	21344	23415	20348	20419	24297	24046	21449
20 Independent Hydro - Net	1666	1658	1616	1596	1514	1492	1239	1289	1567	1847	1871	2080	2142	1751
21 Small Hydro - Net	390	388	317	234	186	174	169	181	222	337	345	464	477	459
<b>22 Other Resources</b>	16384	16385	16468	16593	16769	16850	16851	16810	16092	15402	14339	14216	14823	16383
23 Cogeneration Resources	2669	2669	2686	2730	2752	2766	2767	2763	2095	2193	2185	2418	2674	2665
24 Combustion Turbine Resources	6475	6475	6535	6613	6764	6831	6837	6791	6743	6699	5645	5785	6038	6478
25 Large Thermal Resources	6984	6984	6991	6992	6996	6994	7000	6998	6999	6254	6254	5755	5856	6986
26 Renewable Resources	175	175	175	176	176	176	164	176	174	174	174	175	174	174
27 Small Thermal & Miscellaneous	81.8	82.1	81.2	81.3	81.6	82.7	83.1	82.8	81.4	81.5	81.2	83.4	81.2	80.5
<b>28 Imports</b>	976	976	853	845	1096	1199	1174	1206	907	762	762	804	1047	1124
29 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
30 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Inland Southwest	755	755	632	573	569	650	594	593	569	540	540	582	826	903

**Loads and Resources - Pacific Northwest Region**

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

**2017 White Book** Report Date: 6/1/2017 *Continued*

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<sup>32</sup> Pacific Southwest	75.0	75.0	75.0	125	425	425	425	425	125	75.0	75.0	75.0	75.0	75.0
<sup>33</sup> Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<sup>34</sup> <b>Reserves &amp; Losses</b>	-3996	-3927	-3682	-3667	-4011	-4139	-4014	-3931	-3947	-3719	-3658	-3886	-3994	-3920
<sup>35</sup> Contingency Reserves (Non-Spinning)	-1014	-998	-916	-916	-1022	-1073	-1041	-1010	-995	-938	-924	-969	-1014	-999
<sup>36</sup> Contingency Reserves (Spinning)	-1014	-998	-916	-916	-1022	-1073	-1041	-1010	-995	-938	-924	-969	-1014	-999
<sup>37</sup> Generation Imbalance Reserves	-260	-260	-260	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
<sup>38</sup> Load Following Reserves	-360	-360	-360	-361	-361	-361	-361	-361	-361	-361	-361	-361	-361	-361
<sup>39</sup> Transmission Losses	-1348	-1312	-1230	-1218	-1348	-1373	-1312	-1291	-1338	-1224	-1192	-1328	-1348	-1303
<sup>40</sup> <b>Total Regional Resources</b>	<b>38539</b>	<b>37491</b>	<b>35159</b>	<b>34809</b>	<b>38542</b>	<b>39248</b>	<b>37513</b>	<b>36899</b>	<b>38255</b>	<b>34977</b>	<b>34078</b>	<b>37975</b>	<b>38540</b>	<b>37247</b>
<sup>41</sup> <b>Total Surplus/Deficit</b>	<b>5751</b>	<b>4692</b>	<b>5526</b>	<b>5327</b>	<b>5177</b>	<b>3507</b>	<b>1753</b>	<b>2839</b>	<b>6562</b>	<b>4865</b>	<b>4004</b>	<b>8834</b>	<b>7594</b>	<b>4193</b>

**Loads and Resources - Pacific Northwest Region**

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

**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regional Loads</b>														
42 <b>Retail Loads</b>	31157	31156	28077	28439	32252	34696	34726	32571	30741	29229	29117	28349	29757	31726
43 Federal Agency	153	153	148	168	207	231	233	214	194	167	167	155	159	168
44 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
45 Cooperative	2878	2878	2669	2678	3049	3430	3411	3239	2946	2909	2909	2853	2905	3071
46 Municipality	3252	3252	3101	3452	3915	4325	4386	4200	3848	3572	3572	3203	3161	3320
47 Public Utility District	5919	5919	5570	6111	6997	7700	7744	7266	6850	6408	6408	5826	5703	5978
48 Investor-Owned Utility	18527	18527	16170	15580	17775	18999	18652	17653	16359	15541	15541	15664	17298	18734
49 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
50 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
51 Federal Diversity	-609	-610	-541	-386	-368	-784	-427	-728	-272	-249	-362	-321	-480	-595
52 <b>Exports</b>	1637	1637	1516	1207	1199	1199	1199	1199	1199	1199	1207	1207	1516	1540
53 Canada	1262	1262	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
54 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
55 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Pacific Southwest	374	374	374	64.7	56.7	56.7	56.7	56.7	56.7	56.7	64.7	64.7	374	374
57 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 <b>Total Regional Loads</b>	<b>32794</b>	<b>32794</b>	<b>29593</b>	<b>29646</b>	<b>33451</b>	<b>35895</b>	<b>35925</b>	<b>33770</b>	<b>31940</b>	<b>30428</b>	<b>30324</b>	<b>29556</b>	<b>31273</b>	<b>33267</b>
<b>Regional Resources</b>														
59 <b>Hydro Resources</b>	24998	23761	21336	21062	24537	24973	23679	22793	24967	22842	21059	26911	26078	24575
60 Regulated Hydro - Net	22943	21717	19406	19234	22838	23306	22271	21324	23181	20657	18847	24369	23460	22363
61 Independent Hydro - Net	1666	1658	1616	1596	1514	1492	1239	1289	1567	1847	1871	2080	2142	1751
62 Small Hydro - Net	390	387	313	231	185	174	169	181	219	337	340	462	477	461
63 <b>Other Resources</b>	16384	16385	16468	16590	16766	16850	16851	16810	16092	16096	15079	14063	15804	16383
64 Cogeneration Resources	2669	2669	2686	2730	2752	2766	2767	2763	2095	2665	2185	2418	2674	2665
65 Combustion Turbine Resources	6475	6475	6535	6611	6761	6831	6837	6791	6743	6699	5645	5785	6038	6478
66 Large Thermal Resources	6984	6984	6991	6992	6996	6994	7000	6998	6999	6476	6994	5601	6837	6986
67 Renewable Resources	175	175	175	176	176	176	164	176	174	174	174	175	174	174
68 Small Thermal & Miscellaneous	81.8	82.1	81.2	81.3	81.6	82.7	83.1	82.8	81.4	81.5	81.2	83.4	81.2	80.5
69 <b>Imports</b>	984	984	857	848	1099	1202	1177	1209	910	765	765	807	1056	1134
70 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
71 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Inland Southwest	763	763	636	576	572	653	597	596	572	543	543	585	835	913

**Loads and Resources - Pacific Northwest Region**

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

**2017 White Book** Report Date: 6/1/2017 *Continued*

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
73 Pacific Southwest	75.0	75.0	75.0	125	425	425	425	425	125	75.0	75.0	75.0	75.0	75.0
74 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>75 Reserves &amp; Losses</b>	<b>-3955</b>	<b>-3878</b>	<b>-3661</b>	<b>-3663</b>	<b>-3997</b>	<b>-4112</b>	<b>-4022</b>	<b>-3915</b>	<b>-3930</b>	<b>-3771</b>	<b>-3582</b>	<b>-3882</b>	<b>-3988</b>	<b>-3974</b>
76 Contingency Reserves (Non-Spinning)	-1016	-998	-917	-921	-1025	-1073	-1050	-1010	-997	-955	-906	-976	-1011	-1018
77 Contingency Reserves (Spinning)	-1016	-998	-917	-921	-1025	-1073	-1050	-1010	-997	-955	-906	-976	-1011	-1018
78 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
79 Load Following Reserves	-336	-336	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
80 Transmission Losses	-1344	-1303	-1224	-1219	-1344	-1361	-1318	-1291	-1331	-1257	-1166	-1326	-1363	-1333
<b>81 Total Regional Resources</b>	<b>38412</b>	<b>37252</b>	<b>35000</b>	<b>34837</b>	<b>38406</b>	<b>38912</b>	<b>37685</b>	<b>36898</b>	<b>38039</b>	<b>35931</b>	<b>33320</b>	<b>37898</b>	<b>38950</b>	<b>38118</b>
<b>82 Total Surplus/Deficit</b>	<b>5617</b>	<b>4459</b>	<b>5407</b>	<b>5192</b>	<b>4955</b>	<b>3017</b>	<b>1760</b>	<b>3128</b>	<b>6099</b>	<b>5503</b>	<b>2997</b>	<b>8342</b>	<b>7677</b>	<b>4852</b>

**Loads and Resources - Pacific Northwest Region**

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

**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regional Loads</b>														
83 <b>Retail Loads</b>	31607	31525	28341	28799	32732	35107	35062	33344	31016	29644	29368	28772	30111	32000
84 Federal Agency	160	160	153	169	208	233	234	216	195	168	168	156	160	169
85 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
86 Cooperative	2967	2967	2767	2775	3143	3525	3507	3330	3041	3004	3004	2948	2993	3159
87 Municipality	3331	3331	3186	3525	3989	4397	4398	4208	3858	3580	3580	3211	3169	3328
88 Public Utility District	5985	5985	5635	6175	7066	7775	7805	7380	6907	6461	6461	5883	5760	6036
89 Investor-Owned Utility	18691	18691	16315	15713	17912	19142	18777	18134	16480	15657	15657	15786	17439	18886
90 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
91 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
92 Federal Diversity	-564	-645	-675	-393	-264	-759	-385	-651	-280	-107	-383	-179	-419	-629
93 <b>Exports</b>	1653	1653	1516	1207	1199	1199	1199	1199	1199	1199	1207	1207	1516	1540
94 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
95 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
96 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Pacific Southwest	374	374	374	64.7	56.7	56.7	56.7	56.7	56.7	56.7	64.7	64.7	374	374
98 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 <b>Total Regional Loads</b>	<b>33260</b>	<b>33178</b>	<b>29857</b>	<b>30006</b>	<b>33931</b>	<b>36306</b>	<b>36261</b>	<b>34543</b>	<b>32215</b>	<b>30843</b>	<b>30576</b>	<b>29979</b>	<b>31628</b>	<b>33540</b>
<b>Regional Resources</b>														
100 <b>Hydro Resources</b>	24464	24272	21276	20737	24570	25001	23940	22767	23361	22522	20954	26719	26146	24649
101 Regulated Hydro - Net	22409	22227	19343	18907	22870	23335	22612	21377	21655	20418	18822	24257	23608	22437
102 Independent Hydro - Net	1666	1658	1616	1596	1514	1492	1159	1209	1487	1767	1791	2000	2062	1751
103 Small Hydro - Net	390	388	317	234	186	174	169	181	219	337	340	461	477	461
104 <b>Other Resources</b>	16384	16385	16468	16590	16766	16180	15611	15570	14852	15374	13839	13881	13429	15143
105 Cogeneration Resources	2669	2669	2686	2730	2752	2766	2767	2763	2095	2665	2185	2418	2674	2665
106 Combustion Turbine Resources	6475	6475	6535	6611	6761	6831	6837	6791	6743	6699	5645	5785	6038	6478
107 Large Thermal Resources	6984	6984	6991	6992	6996	6324	5760	5758	5759	5754	5754	5420	4462	5746
108 Renewable Resources	175	175	175	176	176	176	164	176	174	174	174	175	174	174
109 Small Thermal & Miscellaneous	81.8	82.1	81.2	81.3	81.6	82.7	83.1	82.8	81.4	81.5	81.2	83.4	81.2	80.5
110 <b>Imports</b>	992	992	861	852	1102	1206	1180	1212	914	769	769	811	1064	1068
111 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
112 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Inland Southwest	771	771	640	580	575	657	600	599	576	547	547	589	843	922

**Loads and Resources - Pacific Northwest Region**  
**Operating Year: 2021 Water Year: 1937**

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
114 Pacific Southwest	75.0	75.0	75.0	125	425	425	425	425	125	75.0	75.0	75.0	75.0	0
115 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>116 Reserves &amp; Losses</b>	<b>-3943</b>	<b>-3931</b>	<b>-3669</b>	<b>-3653</b>	<b>-4009</b>	<b>-4083</b>	<b>-3969</b>	<b>-3855</b>	<b>-3761</b>	<b>-3700</b>	<b>-3506</b>	<b>-3846</b>	<b>-3885</b>	<b>-3908</b>
117 Contingency Reserves (Non-Spinning)	-1014	-1011	-922	-921	-1030	-1069	-1040	-1001	-960	-936	-890	-964	-998	-1005
118 Contingency Reserves (Spinning)	-1014	-1011	-922	-921	-1030	-1069	-1040	-1001	-960	-936	-890	-964	-998	-1005
119 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
120 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
121 Transmission Losses	-1326	-1319	-1222	-1208	-1344	-1340	-1286	-1249	-1237	-1223	-1121	-1314	-1286	-1293
<b>122 Total Regional Resources</b>	<b>37898</b>	<b>37719</b>	<b>34937</b>	<b>34526</b>	<b>38430</b>	<b>38304</b>	<b>36762</b>	<b>35693</b>	<b>35366</b>	<b>34966</b>	<b>32056</b>	<b>37564</b>	<b>36754</b>	<b>36953</b>
<b>123 Total Surplus/Deficit</b>	<b>4638</b>	<b>4540</b>	<b>5080</b>	<b>4520</b>	<b>4499</b>	<b>1998</b>	<b>501</b>	<b>1150</b>	<b>3151</b>	<b>4122</b>	<b>1480</b>	<b>7585</b>	<b>5127</b>	<b>3413</b>

**Loads and Resources - Pacific Northwest Region**

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

**2017 White Book Report Date: 6/1/2017**

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regional Loads</b>														
124 <b>Retail Loads</b>	31878	31844	28762	29251	32946	35424	35341	33648	31357	29861	29650	29067	30449	32377
125 Federal Agency	161	161	154	170	208	233	235	213	196	169	169	157	161	170
126 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
127 Cooperative	3055	3055	2862	2870	3238	3621	3603	3398	3136	3086	3086	3039	3076	3243
128 Municipality	3339	3339	3193	3533	3999	4408	4407	4219	3867	3588	3588	3218	3177	3337
129 Public Utility District	6043	6043	5690	6230	7126	7840	7869	7437	6963	6518	6518	5935	5812	6091
130 Investor-Owned Utility	18839	18839	16445	15829	18028	19264	18898	18254	16597	15771	15771	15903	17574	19036
131 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
132 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
133 Federal Diversity	-595	-629	-542	-217	-332	-736	-397	-600	-218	-152	-362	-153	-361	-548
<b>Regional Exports</b>														
134 <b>Exports</b>	1288	1288	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1175
135 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
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
137 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
139 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>140 Total Regional Loads</b>	<b>33166</b>	<b>33131</b>	<b>29912</b>	<b>30402</b>	<b>34089</b>	<b>36567</b>	<b>36484</b>	<b>34791</b>	<b>32499</b>	<b>31003</b>	<b>30800</b>	<b>30217</b>	<b>31599</b>	<b>33552</b>
<b>Regional Resources</b>														
141 <b>Hydro Resources</b>	24552	24248	21254	20785	24432	24766	24006	23063	23273	22543	21036	26663	26243	24618
142 Regulated Hydro - Net	22496	22202	19330	19035	22812	23180	22678	21673	21567	20439	18905	24202	23704	22406
143 Independent Hydro - Net	1666	1658	1607	1516	1434	1412	1159	1209	1487	1767	1791	2000	2062	1751
144 Small Hydro - Net	390	388	317	234	186	174	169	181	219	337	340	461	477	461
<b>Other Resources</b>														
145 <b>Other Resources</b>	15144	15145	15228	15350	15526	15610	15484	15443	14725	13700	12637	14089	14591	14709
146 Cogeneration Resources	2669	2669	2686	2730	2752	2766	2767	2763	2095	2193	2185	2418	2674	2665
147 Combustion Turbine Resources	6475	6475	6535	6611	6761	6831	6837	6791	6743	6699	5645	5785	6038	6478
148 Large Thermal Resources	5744	5744	5751	5752	5756	5754	5633	5631	5632	4552	4552	5628	5624	5312
149 Renewable Resources	175	175	175	176	176	176	164	176	174	174	174	175	174	174
150 Small Thermal & Miscellaneous	81.8	82.1	81.2	81.3	81.6	82.7	83.1	82.8	81.4	81.5	81.2	83.4	81.2	80.5
<b>Imports</b>														
151 <b>Imports</b>	925	925	790	731	980	1085	1059	1091	793	697	697	740	998	1078
152 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
153 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Inland Southwest	779	779	644	584	578	661	604	603	580	550	550	593	852	932



**Loads and Resources - Pacific Northwest Region**

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

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
155 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
156 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>157 Reserves &amp; Losses</b>	<b>-3877</b>	<b>-3855</b>	<b>-3596</b>	<b>-3582</b>	<b>-3927</b>	<b>-4036</b>	<b>-3973</b>	<b>-3872</b>	<b>-3755</b>	<b>-3626</b>	<b>-3466</b>	<b>-3864</b>	<b>-3936</b>	<b>-3900</b>
158 Contingency Reserves (Non-Spinning)	-1001	-995	-908	-907	-1014	-1062	-1045	-1009	-962	-928	-890	-972	-1003	-1009
159 Contingency Reserves (Spinning)	-1001	-995	-908	-907	-1014	-1062	-1045	-1009	-962	-928	-890	-972	-1003	-1009
160 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
161 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
162 Transmission Losses	-1285	-1276	-1178	-1164	-1295	-1309	-1280	-1250	-1226	-1165	-1081	-1316	-1326	-1277
<b>163 Total Regional Resources</b>	<b>36744</b>	<b>36463</b>	<b>33677</b>	<b>33284</b>	<b>37011</b>	<b>37424</b>	<b>36577</b>	<b>35724</b>	<b>35036</b>	<b>33314</b>	<b>30905</b>	<b>37628</b>	<b>37896</b>	<b>36506</b>
<b>164 Total Surplus/Deficit</b>	<b>3578</b>	<b>3332</b>	<b>3764</b>	<b>2883</b>	<b>2923</b>	<b>857</b>	<b>92.9</b>	<b>934</b>	<b>2537</b>	<b>2311</b>	<b>104</b>	<b>7411</b>	<b>6296</b>	<b>2955</b>

**Loads and Resources - Pacific Northwest Region**

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regional Loads</b>														
165 <b>Retail Loads</b>	32147	32050	29276	29626	33216	35727	35631	33975	31678	30203	29964	29332	30802	32762
166 Federal Agency	161	161	155	169	207	232	234	215	195	168	168	156	160	169
167 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
168 Cooperative	3137	3137	2953	2961	3329	3703	3686	3505	3227	3167	3167	3125	3160	3327
169 Municipality	3349	3349	3201	3541	4008	4418	4419	4231	3877	3596	3596	3226	3185	3346
170 Public Utility District	6096	6096	5739	6282	7182	7900	7936	7500	7023	6575	6575	5991	5869	6149
171 Investor-Owned Utility	18987	18987	16571	15943	18144	19381	19017	18369	16711	15883	15883	16020	17708	19182
172 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
173 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
174 Federal Diversity	-620	-717	-303	-105	-334	-702	-386	-573	-170	-68.6	-307	-154	-289	-460
<b>Exports</b>														
175 <b>Exports</b>	1288	1288	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1175
176 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
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
178 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
179 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
180 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>181 Total Regional Loads</b>	<b>33434</b>	<b>33337</b>	<b>30427</b>	<b>30777</b>	<b>34358</b>	<b>36869</b>	<b>36773</b>	<b>35118</b>	<b>32821</b>	<b>31345</b>	<b>31115</b>	<b>30483</b>	<b>31952</b>	<b>33937</b>
<b>Regional Resources</b>														
182 <b>Hydro Resources</b>	24646	24210	21493	20939	24461	24855	24140	23195	23008	22586	21036	26701	26616	24680
183 Regulated Hydro - Net	22590	22164	19569	19189	22841	23268	22812	21805	21302	20482	18904	24240	24078	22468
184 Independent Hydro - Net	1666	1658	1607	1516	1434	1412	1159	1209	1487	1767	1791	2000	2062	1751
185 Small Hydro - Net	390	388	317	234	186	174	169	181	219	337	340	461	477	461
<b>Other Resources</b>														
186 <b>Other Resources</b>	14710	14711	14740	14864	15039	15120	15121	15081	14362	14032	13070	13755	13095	14656
187 Cogeneration Resources	2669	2669	2686	2730	2752	2766	2767	2763	2095	2665	2185	2418	2674	2665
188 Combustion Turbine Resources	6475	6475	6482	6559	6708	6775	6781	6735	6688	6644	5645	5758	5984	6425
189 Large Thermal Resources	5310	5310	5317	5318	5322	5320	5326	5324	5325	4467	4985	5321	4182	5312
190 Renewable Resources	175	175	175	176	176	176	164	176	174	174	174	175	174	174
191 Small Thermal & Miscellaneous	81.8	82.1	81.2	81.3	81.6	82.7	83.1	82.8	81.4	81.5	81.2	83.4	81.2	80.5
<b>Imports</b>														
192 <b>Imports</b>	934	934	794	735	983	1089	1062	1094	796	701	701	744	1007	1088
193 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
194 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Inland Southwest	788	788	648	588	581	665	607	606	583	554	554	597	861	942

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
196 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
197 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>198 Reserves &amp; Losses</b>	<b>-3877</b>	<b>-3849</b>	<b>-3602</b>	<b>-3583</b>	<b>-3920</b>	<b>-4033</b>	<b>-3977</b>	<b>-3877</b>	<b>-3734</b>	<b>-3661</b>	<b>-3488</b>	<b>-3863</b>	<b>-3916</b>	<b>-3910</b>
199 Contingency Reserves (Non-Spinning)	-1007	-1000	-915	-913	-1019	-1067	-1051	-1016	-963	-940	-894	-976	-1013	-1014
200 Contingency Reserves (Spinning)	-1007	-1000	-915	-913	-1019	-1067	-1051	-1016	-963	-940	-894	-976	-1013	-1014
201 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
202 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
203 Transmission Losses	-1274	-1260	-1169	-1153	-1279	-1295	-1271	-1242	-1205	-1177	-1096	-1306	-1287	-1277
<b>204 Total Regional Resources</b>	<b>36414</b>	<b>36006</b>	<b>33426</b>	<b>32955</b>	<b>36564</b>	<b>37030</b>	<b>36346</b>	<b>35493</b>	<b>34433</b>	<b>33658</b>	<b>31319</b>	<b>37337</b>	<b>36802</b>	<b>36514</b>
<b>205 Total Surplus/Deficit</b>	<b>2980</b>	<b>2668</b>	<b>2999</b>	<b>2178</b>	<b>2206</b>	<b>161</b>	<b>-427</b>	<b>375</b>	<b>1612</b>	<b>2313</b>	<b>204</b>	<b>6855</b>	<b>4850</b>	<b>2578</b>

**Loads and Resources - Pacific Northwest Region**

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

**2017 White Book Report Date: 6/1/2017**

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regional Loads</b>														
206 <b>Retail Loads</b>	32491	32404	29601	29967	33485	36102	35754	33750	31892	30492	30269	29751	31205	33240
207 Federal Agency	161	161	154	170	208	233	234	216	195	168	168	157	160	169
208 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
209 Cooperative	3220	3220	3035	3051	3419	3786	3768	3577	3311	3246	3246	3204	3237	3403
210 Municipality	3358	3358	3210	3551	4020	4429	4431	4243	3888	3606	3606	3235	3195	3357
211 Public Utility District	6145	6145	5786	6331	7237	7959	7994	7502	7076	6626	6626	6041	5918	6199
212 Investor-Owned Utility	19128	19128	16695	16053	18257	19498	19132	18118	16825	15991	15991	16132	17839	19325
213 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
214 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
215 Federal Diversity	-556	-644	-240	-24.3	-334	-598	-531	-633	-219	-26.7	-249	14.9	-155	-264
<b>Exports</b>														
216 <b>Exports</b>	1288	1288	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1175
217 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
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
219 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
221 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>222 Total Regional Loads</b>	<b>33779</b>	<b>33691</b>	<b>30751</b>	<b>31118</b>	<b>34627</b>	<b>37244</b>	<b>36897</b>	<b>34892</b>	<b>33035</b>	<b>31634</b>	<b>31420</b>	<b>30901</b>	<b>32355</b>	<b>34414</b>
<b>Regional Resources</b>														
223 <b>Hydro Resources</b>	24569	24202	21621	20793	24440	24773	24014	23069	23280	22560	21053	26661	26250	24625
224 Regulated Hydro - Net	22513	22156	19697	19043	22819	23187	22686	21679	21574	20456	18922	24199	23711	22413
225 Independent Hydro - Net	1666	1658	1607	1516	1434	1412	1159	1209	1487	1767	1791	2000	2062	1751
226 Small Hydro - Net	390	388	317	234	186	174	169	181	219	337	340	461	477	461
<b>Other Resources</b>														
227 <b>Other Resources</b>	14657	14658	14740	14862	15037	15120	15121	15081	14362	14885	13405	13420	14230	14656
228 Cogeneration Resources	2669	2669	2686	2730	2752	2766	2767	2763	2095	2665	2185	2418	2674	2665
229 Combustion Turbine Resources	6422	6422	6482	6556	6706	6775	6781	6735	6688	6644	5645	5758	5984	6425
230 Large Thermal Resources	5310	5310	5317	5318	5322	5320	5326	5324	5325	5320	5320	4986	5317	5312
231 Renewable Resources	175	175	175	176	176	176	164	176	174	174	174	175	174	174
232 Small Thermal & Miscellaneous	81.8	82.1	81.2	81.3	81.6	82.7	83.1	82.8	81.4	81.5	81.2	83.4	81.2	80.5
<b>Imports</b>														
233 <b>Imports</b>	942	942	799	739	986	1093	1065	1098	800	705	705	748	1016	1097
234 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
235 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
236 Inland Southwest	796	796	653	592	584	669	610	610	587	558	558	601	870	951

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

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
237 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
238 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>239 Reserves &amp; Losses</b>	<b>-3878</b>	<b>-3855</b>	<b>-3617</b>	<b>-3581</b>	<b>-3926</b>	<b>-4036</b>	<b>-3977</b>	<b>-3864</b>	<b>-3758</b>	<b>-3704</b>	<b>-3517</b>	<b>-3847</b>	<b>-3940</b>	<b>-3915</b>
240 Contingency Reserves (Non-Spinning)	-1010	-1004	-921	-915	-1022	-1069	-1053	-1011	-970	-948	-903	-974	-1011	-1018
241 Contingency Reserves (Spinning)	-1010	-1004	-921	-915	-1022	-1069	-1053	-1011	-970	-948	-903	-974	-1011	-1018
242 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
243 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
244 Transmission Losses	-1270	-1257	-1173	-1148	-1278	-1293	-1267	-1238	-1213	-1205	-1107	-1294	-1314	-1276
<b>245 Total Regional Resources</b>	<b>36290</b>	<b>35947</b>	<b>33543</b>	<b>32812</b>	<b>36536</b>	<b>36950</b>	<b>36223</b>	<b>35383</b>	<b>34685</b>	<b>34445</b>	<b>31647</b>	<b>36982</b>	<b>37556</b>	<b>36464</b>
<b>246 Total Surplus/Deficit</b>	<b>2511</b>	<b>2255</b>	<b>2792</b>	<b>1694</b>	<b>1909</b>	<b>-294</b>	<b>-673</b>	<b>491</b>	<b>1650</b>	<b>2811</b>	<b>227</b>	<b>6080</b>	<b>5201</b>	<b>2050</b>

**Loads and Resources - Pacific Northwest Region**  
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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regional Loads</b>														
247 <b>Retail Loads</b>	32863	32714	30111	30307	33673	36273	35982	34529	32128	30707	30480	29861	31429	33426
248 Federal Agency	161	161	155	171	210	235	237	218	197	170	170	158	162	171
249 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
250 Cooperative	3294	3294	3107	3121	3491	3852	3831	3646	3369	3304	3304	3259	3290	3453
251 Municipality	3367	3367	3220	3560	4031	4442	4444	4254	3900	3617	3617	3245	3205	3367
252 Public Utility District	6192	6192	5831	6378	7288	8014	8045	7604	7121	6667	6667	6085	5962	6243
253 Investor-Owned Utility	19270	19270	16815	16161	18367	19609	19231	18582	16918	16082	16082	16229	17956	19455
254 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
255 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
256 Federal Diversity	-459	-608	24.0	79.6	-393	-674	-532	-503	-194	-13.8	-240	-82.0	-154	-313
257 <b>Exports</b>	1288	1288	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1175
258 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
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
260 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
261 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
262 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
263 <b>Total Regional Loads</b>	<b>34150</b>	<b>34001</b>	<b>31262</b>	<b>31458</b>	<b>34815</b>	<b>37415</b>	<b>37125</b>	<b>35672</b>	<b>33270</b>	<b>31849</b>	<b>31631</b>	<b>31012</b>	<b>32580</b>	<b>34600</b>
<b>Regional Resources</b>														
264 <b>Hydro Resources</b>	24653	24213	21500	20946	24469	24862	24147	23201	23015	22602	21052	26698	26622	24686
265 Regulated Hydro - Net	22597	22168	19576	19196	22849	23276	22819	21812	21309	20498	18921	24236	24084	22474
266 Independent Hydro - Net	1666	1658	1607	1516	1434	1412	1159	1209	1487	1767	1791	2000	2062	1751
267 Small Hydro - Net	390	388	317	234	186	174	169	181	219	337	340	461	477	461
268 <b>Other Resources</b>	14657	14658	14740	14862	15037	15120	15121	15081	14362	13673	12665	13420	13095	14656
269 Cogeneration Resources	2669	2669	2686	2730	2752	2766	2767	2763	2095	2193	2185	2418	2674	2665
270 Combustion Turbine Resources	6422	6422	6482	6556	6706	6775	6781	6735	6688	6644	5645	5758	5984	6425
271 Large Thermal Resources	5310	5310	5317	5318	5322	5320	5326	5324	5325	4580	4580	4986	4182	5312
272 Renewable Resources	175	175	175	176	176	176	164	176	174	174	174	175	174	174
273 Small Thermal & Miscellaneous	81.8	82.1	81.2	81.3	81.6	82.7	83.1	82.8	81.4	81.5	81.2	83.4	81.2	80.5
274 <b>Imports</b>	950	950	803	742	990	1097	1068	1101	804	708	708	751	1025	1107
275 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
276 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
277 Inland Southwest	804	804	657	595	588	673	613	613	591	561	561	604	879	961

**Loads and Resources - Pacific Northwest Region**

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
278 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
279 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>280 Reserves &amp; Losses</b>	<b>-3892</b>	<b>-3861</b>	<b>-3617</b>	<b>-3597</b>	<b>-3935</b>	<b>-4048</b>	<b>-3976</b>	<b>-3876</b>	<b>-3732</b>	<b>-3643</b>	<b>-3482</b>	<b>-3840</b>	<b>-3917</b>	<b>-3911</b>
281 Contingency Reserves (Non-Spinning)	-1015	-1007	-923	-921	-1026	-1074	-1050	-1015	-962	-937	-898	-970	-1012	-1015
282 Contingency Reserves (Spinning)	-1015	-1007	-923	-921	-1026	-1074	-1050	-1015	-962	-937	-898	-970	-1012	-1015
283 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
284 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
285 Transmission Losses	-1272	-1258	-1169	-1153	-1279	-1295	-1272	-1242	-1205	-1166	-1082	-1295	-1288	-1278
<b>286 Total Regional Resources</b>	<b>36369</b>	<b>35961</b>	<b>33426</b>	<b>32952</b>	<b>36561</b>	<b>37030</b>	<b>36360</b>	<b>35507</b>	<b>34449</b>	<b>33340</b>	<b>30943</b>	<b>37028</b>	<b>36825</b>	<b>36538</b>
<b>287 Total Surplus/Deficit</b>	<b>2218</b>	<b>1959</b>	<b>2165</b>	<b>1494</b>	<b>1745</b>	<b>-385</b>	<b>-765</b>	<b>-165</b>	<b>1179</b>	<b>1491</b>	<b>-688</b>	<b>6016</b>	<b>4246</b>	<b>1938</b>

**Loads and Resources - Pacific Northwest Region**

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regional Loads</b>														
288 <b>Retail Loads</b>	33141	32949	30215	30418	33903	36249	36164	34687	32321	30875	30639	29895	31521	33607
289 Federal Agency	163	163	156	173	212	237	239	217	200	172	172	160	163	173
290 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
291 Cooperative	3341	3341	3150	3150	3512	3890	3857	3648	3383	3326	3326	3279	3313	3477
292 Municipality	3378	3378	3230	3571	4044	4456	4458	4269	3913	3628	3628	3256	3216	3379
293 Public Utility District	6234	6234	5870	6417	7330	8058	8091	7646	7161	6706	6706	6117	5992	6274
294 Investor-Owned Utility	19392	19392	16921	16258	18466	19709	19326	18675	17010	16169	16169	16323	18069	19580
295 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
296 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
297 Federal Diversity	-404	-596	-72.4	13.6	-339	-895	-534	-496	-162	-7.45	-243	-206	-242	-326
<b>Regional Exports</b>														
298 <b>Exports</b>	1288	1288	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1175
299 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
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
301 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
302 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
303 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
304 <b>Total Regional Loads</b>	<b>34429</b>	<b>34236</b>	<b>31366</b>	<b>31569</b>	<b>35046</b>	<b>37392</b>	<b>37307</b>	<b>35829</b>	<b>33464</b>	<b>32017</b>	<b>31789</b>	<b>31045</b>	<b>32671</b>	<b>34781</b>
<b>Regional Resources</b>														
305 <b>Hydro Resources</b>	24575	24208	21626	20798	24445	24758	23999	23054	23264	22544	21037	26654	26234	24609
306 Regulated Hydro - Net	22519	22162	19702	19048	22824	23172	22670	21665	21559	20440	18906	24193	23695	22397
307 Independent Hydro - Net	1666	1658	1607	1516	1434	1412	1159	1209	1487	1767	1791	2000	2062	1751
308 Small Hydro - Net	390	388	317	234	186	174	169	181	219	337	340	461	477	461
309 <b>Other Resources</b>	14657	14658	14740	14862	15037	14450	14318	14277	13559	13563	12601	12951	13427	13853
310 Cogeneration Resources	2669	2669	2686	2730	2752	2766	2767	2763	2095	2665	2185	2418	2674	2665
311 Combustion Turbine Resources	6422	6422	6482	6556	6706	6775	6781	6735	6688	6644	5645	5758	5984	6425
312 Large Thermal Resources	5310	5310	5317	5318	5322	4650	4522	4520	4521	3998	4516	4517	4513	4508
313 Renewable Resources	175	175	175	176	176	176	164	176	174	174	174	175	174	174
314 Small Thermal & Miscellaneous	81.8	82.1	81.2	81.3	81.6	82.7	83.1	82.8	81.4	81.5	81.2	83.4	81.2	80.5
315 <b>Imports</b>	958	958	808	746	993	1100	1071	1104	808	712	712	755	1035	1117
316 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
317 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
318 Inland Southwest	812	812	662	599	591	676	616	616	595	565	565	608	889	971



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319 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
320 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>321 Reserves &amp; Losses</b>	<b>-3879</b>	<b>-3856</b>	<b>-3616</b>	<b>-3578</b>	<b>-3924</b>	<b>-3991</b>	<b>-3919</b>	<b>-3818</b>	<b>-3699</b>	<b>-3628</b>	<b>-3458</b>	<b>-3810</b>	<b>-3884</b>	<b>-3860</b>
322 Contingency Reserves (Non-Spinning)	-1010	-1004	-920	-914	-1021	-1058	-1037	-1001	-954	-932	-887	-964	-996	-1003
323 Contingency Reserves (Spinning)	-1010	-1004	-920	-914	-1021	-1058	-1037	-1001	-954	-932	-887	-964	-996	-1003
324 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
325 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
326 Transmission Losses	-1270	-1258	-1174	-1148	-1279	-1270	-1241	-1211	-1187	-1161	-1081	-1279	-1288	-1250
<b>327 Total Regional Resources</b>	<b>36311</b>	<b>35968</b>	<b>33559</b>	<b>32827</b>	<b>36551</b>	<b>36317</b>	<b>35469</b>	<b>34618</b>	<b>33932</b>	<b>33191</b>	<b>30893</b>	<b>36551</b>	<b>36811</b>	<b>35719</b>
<b>328 Total Surplus/Deficit</b>	<b>1882</b>	<b>1732</b>	<b>2193</b>	<b>1258</b>	<b>1505</b>	<b>-1074</b>	<b>-1838</b>	<b>-1211</b>	<b>469</b>	<b>1174</b>	<b>-896</b>	<b>5506</b>	<b>4140</b>	<b>938</b>

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regional Loads</b>														
329 <b>Retail Loads</b>	33338	33124	30348	30597	34029	36637	36378	34889	32441	31111	30701	29916	31700	33874
330 Federal Agency	164	164	157	173	213	238	240	222	200	172	172	160	164	173
331 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
332 Cooperative	3364	3364	3164	3164	3526	3908	3880	3696	3398	3347	3347	3293	3336	3501
333 Municipality	3391	3391	3241	3607	4112	4472	4478	4285	3929	3632	3632	3150	3212	3426
334 Public Utility District	6263	6263	5897	6511	7369	8089	8137	7693	7200	6781	6781	6119	6022	6341
335 Investor-Owned Utility	19515	19515	17023	16347	18558	19804	19431	18775	17109	16266	16266	16426	18190	19717
336 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
337 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
338 Federal Diversity	-396	-610	-95.3	-40.1	-428	-668	-514	-508	-212	30.0	-380	-199	-234	-335
<b>Exports</b>														
339 <b>Exports</b>	1288	1288	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1175
340 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
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
342 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
343 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
344 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
345 <b>Total Regional Loads</b>	<b>34625</b>	<b>34411</b>	<b>31498</b>	<b>31748</b>	<b>35171</b>	<b>37779</b>	<b>37521</b>	<b>36031</b>	<b>33583</b>	<b>32253</b>	<b>31852</b>	<b>31067</b>	<b>32851</b>	<b>35048</b>
<b>Regional Resources</b>														
346 <b>Hydro Resources</b>	24637	24200	21483	20931	24451	24845	24130	23185	22997	22587	21036	26689	26605	24670
347 Regulated Hydro - Net	22581	22154	19559	19181	22831	23259	22802	21795	21291	20482	18905	24227	24066	22458
348 Independent Hydro - Net	1666	1658	1607	1516	1434	1412	1159	1209	1487	1767	1791	2000	2062	1751
349 Small Hydro - Net	390	388	317	234	186	174	169	181	219	337	340	461	477	461
<b>Other Resources</b>														
350 <b>Other Resources</b>	13853	13854	13937	14061	14236	14316	14318	14277	13559	14081	12601	12951	12292	13853
351 Cogeneration Resources	2669	2669	2686	2730	2752	2766	2767	2763	2095	2665	2185	2418	2674	2665
352 Combustion Turbine Resources	6422	6422	6482	6559	6708	6775	6781	6735	6688	6644	5645	5758	5984	6425
353 Large Thermal Resources	4506	4506	4513	4514	4518	4516	4522	4520	4521	4516	4516	4517	3378	4508
354 Renewable Resources	175	175	175	176	176	176	164	176	174	174	174	175	174	174
355 Small Thermal & Miscellaneous	81.8	82.1	81.2	81.3	81.6	82.7	83.1	82.8	81.4	81.5	81.2	83.4	81.2	80.5
<b>Imports</b>														
356 <b>Imports</b>	967	967	812	750	996	1104	1075	1107	811	716	716	759	1044	1127
357 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
358 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
359 Inland Southwest	821	821	666	603	594	680	620	619	598	569	569	612	898	981

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<sup>360</sup> Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
<sup>361</sup> Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b><sup>362</sup> Reserves &amp; Losses</b>	<b>-3836</b>	<b>-3808</b>	<b>-3559</b>	<b>-3541</b>	<b>-3877</b>	<b>-3989</b>	<b>-3932</b>	<b>-3832</b>	<b>-3688</b>	<b>-3654</b>	<b>-3464</b>	<b>-3812</b>	<b>-3873</b>	<b>-3872</b>
<sup>363</sup> Contingency Reserves (Non-Spinning)	-1000	-994	-907	-906	-1010	-1058	-1042	-1006	-953	-935	-890	-964	-1004	-1008
<sup>364</sup> Contingency Reserves (Spinning)	-1000	-994	-907	-906	-1010	-1058	-1042	-1006	-953	-935	-890	-964	-1004	-1008
<sup>365</sup> Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
<sup>366</sup> Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
<sup>367</sup> Transmission Losses	-1246	-1232	-1143	-1126	-1253	-1269	-1245	-1215	-1178	-1180	-1081	-1280	-1262	-1252
<b><sup>368</sup> Total Regional Resources</b>	<b>35621</b>	<b>35213</b>	<b>32673</b>	<b>32201</b>	<b>35806</b>	<b>36276</b>	<b>35590</b>	<b>34737</b>	<b>33680</b>	<b>33730</b>	<b>30890</b>	<b>36587</b>	<b>36067</b>	<b>35778</b>
<sup>369</sup> Total Surplus/Deficit	996	802	1175	453	635	-1503	-1930	-1294	96.1	1476	-962	5520	3216	729

**Loads and Resources - Pacific Northwest Region**

**Operating Year: 2028 Water Year: 1937**

**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regional Loads</b>														
370 <b>Retail Loads</b>	33570	33339	30487	30761	34085	36810	36553	34692	32622	31140	30872	30038	31834	34130
371 Federal Agency	165	165	158	174	214	239	241	222	201	173	173	161	164	174
372 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
373 Cooperative	3388	3388	3178	3178	3541	3923	3899	3717	3412	3366	3366	3309	3355	3516
374 Municipality	3414	3414	3218	3617	4123	4483	4492	4299	3942	3644	3644	3162	3225	3439
375 Public Utility District	6333	6333	5959	6541	7399	8122	8169	7725	7228	6808	6808	6144	6047	6367
376 Investor-Owned Utility	19645	19645	17131	16441	18654	19905	19537	18514	17215	16366	16366	16536	18315	19856
377 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
378 Direct-Service Industry	422	422	422	423	422	422	423	422	422	423	423	422	422	422
379 Federal Diversity	-411	-642	-117	-24.6	-524	-656	-512	-512	-192	-98.3	-366	-241	-282	-271
380 <b>Exports</b>	1288	1288	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1175
381 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
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
383 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
384 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
385 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
386 <b>Total Regional Loads</b>	<b>34857</b>	<b>34626</b>	<b>31637</b>	<b>31912</b>	<b>35227</b>	<b>37952</b>	<b>37695</b>	<b>35834</b>	<b>33765</b>	<b>32283</b>	<b>32023</b>	<b>31189</b>	<b>32985</b>	<b>35305</b>
<b>Regional Resources</b>														
387 <b>Hydro Resources</b>	24559	24191	21609	20782	24427	24761	24002	23058	23267	22548	21041	26656	26236	24613
388 Regulated Hydro - Net	22503	22145	19685	19032	22807	23175	22674	21669	21561	20444	18910	24194	23698	22401
389 Independent Hydro - Net	1666	1658	1607	1516	1434	1412	1159	1209	1487	1767	1791	2000	2062	1751
390 Small Hydro - Net	390	388	317	234	186	174	169	181	219	337	340	461	477	461
391 <b>Other Resources</b>	13853	13854	13937	14058	14233	14317	14319	14278	13560	12870	11863	12953	13428	13854
392 Cogeneration Resources	2669	2669	2686	2730	2752	2766	2767	2763	2095	2193	2185	2418	2674	2665
393 Combustion Turbine Resources	6422	6422	6482	6556	6706	6775	6781	6735	6688	6644	5645	5758	5984	6425
394 Large Thermal Resources	4506	4506	4513	4514	4518	4516	4522	4520	4521	3776	3776	4517	4513	4508
395 Renewable Resources	175	175	175	176	176	177	165	177	175	175	175	176	175	175
396 Small Thermal & Miscellaneous	81.8	82.1	81.2	81.3	81.6	82.7	83.1	82.8	81.4	81.5	81.2	83.4	81.2	80.5
397 <b>Imports</b>	975	975	816	754	999	1108	1078	1111	815	719	719	764	1053	1138
398 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
399 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400 Inland Southwest	829	829	670	607	597	684	623	623	602	572	572	617	907	992

**Loads and Resources - Pacific Northwest Region**  
**Operating Year: 2028 Water Year: 1937**  
**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
401 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
402 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>403 Reserves &amp; Losses</b>	<b>-3838</b>	<b>-3815</b>	<b>-3571</b>	<b>-3535</b>	<b>-3880</b>	<b>-3988</b>	<b>-3929</b>	<b>-3818</b>	<b>-3709</b>	<b>-3602</b>	<b>-3444</b>	<b>-3815</b>	<b>-3895</b>	<b>-3874</b>
404 Contingency Reserves (Non-Spinning)	-1003	-997	-911	-905	-1012	-1059	-1042	-1002	-959	-930	-892	-966	-1001	-1010
405 Contingency Reserves (Spinning)	-1003	-997	-911	-905	-1012	-1059	-1042	-1002	-959	-930	-892	-966	-1001	-1010
406 Generation Imbalance Reserves	-243	-243	-256	-257	-258	-258	-258	-258	-258	-258	-258	-258	-258	-258
407 Load Following Reserves	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346	-346
408 Transmission Losses	-1244	-1232	-1147	-1121	-1252	-1266	-1241	-1211	-1187	-1138	-1056	-1279	-1288	-1250
<b>409 Total Regional Resources</b>	<b>35549</b>	<b>35206</b>	<b>32791</b>	<b>32058</b>	<b>35780</b>	<b>36198</b>	<b>35469</b>	<b>34629</b>	<b>33933</b>	<b>32535</b>	<b>30179</b>	<b>36557</b>	<b>36822</b>	<b>35730</b>
<b>410 Total Surplus/Deficit</b>	<b>692</b>	<b>580</b>	<b>1153</b>	<b>147</b>	<b>552</b>	<b>-1755</b>	<b>-2226</b>	<b>-1206</b>	<b>168</b>	<b>253</b>	<b>-1844</b>	<b>5368</b>	<b>3838</b>	<b>425</b>

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***Exhibit 21***  
***BPA Sales to Preference and Legacy Customers***

***Monthly 1-Hour Capacity***  
***Operating Year 2019 to 2028***  
***Using 1937-Water Conditions***

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**BPA Sales to Preference and Legacy Customers**  
**Operating Year 2019 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
<b>1 DSI Obligation</b>	<b>89.5</b>	<b>89.5</b>	<b>89.2</b>	<b>90.1</b>	<b>90.1</b>	<b>89.8</b>	<b>90.3</b>	<b>89.7</b>	<b>90.0</b>	<b>90.3</b>	<b>90.3</b>	<b>90.0</b>	<b>89.4</b>	<b>89.4</b>
2 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
<b>3 Load Following</b>	<b>4329</b>	<b>4329</b>	<b>4045</b>	<b>4308</b>	<b>5004</b>	<b>5634</b>	<b>5630</b>	<b>5319</b>	<b>4796</b>	<b>4562</b>	<b>4562</b>	<b>4205</b>	<b>4210</b>	<b>4478</b>
4 Cooperative	2559	2559	2344	2339	2704	3077	3050	2868	2571	2521	2521	2460	2502	2665
5 Municipality	761	761	695	723	856	954	970	916	806	740	740	669	704	776
6 Public Utility District	877	877	878	1097	1256	1391	1397	1340	1242	1152	1152	939	862	888
7 Federal Entities	132	132	128	150	188	212	213	196	177	148	148	137	141	149
<b>8 Slice Block</b>	<b>1338</b>	<b>1338</b>	<b>1288</b>	<b>1379</b>	<b>1601</b>	<b>1829</b>	<b>1821</b>	<b>1676</b>	<b>1550</b>	<b>1439</b>	<b>1439</b>	<b>1386</b>	<b>1355</b>	<b>1422</b>
9 Municipality	271	271	272	280	332	403	400	382	370	327	327	279	269	294
10 Public Utility District	1067	1067	1017	1098	1269	1426	1422	1295	1180	1112	1112	1107	1086	1127
<b>11 Slice Output from T1 System</b>	<b>2754</b>	<b>2538</b>	<b>2177</b>	<b>2031</b>	<b>2766</b>	<b>2876</b>	<b>2452</b>	<b>2400</b>	<b>2929</b>	<b>2360</b>	<b>2396</b>	<b>3197</b>	<b>2688</b>	<b>2355</b>
12 Municipality	643	592	508	474	645	671	572	560	684	551	559	746	627	550
13 Public Utility District	2112	1946	1669	1557	2120	2205	1880	1840	2245	1809	1837	2451	2060	1805
<b>14 Tier 1 Block</b>	<b>343</b>	<b>343</b>	<b>578</b>	<b>485</b>	<b>795</b>	<b>782</b>	<b>849</b>	<b>799</b>	<b>765</b>	<b>382</b>	<b>382</b>	<b>121</b>	<b>0</b>	<b>291</b>
15 Municipality	343	343	578	485	795	782	849	799	765	382	382	121	0	291
16 Public Utility District	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>17 USBR Obligation</b>	<b>611</b>	<b>611</b>	<b>534</b>	<b>409</b>	<b>252</b>	<b>369</b>	<b>300</b>	<b>301</b>	<b>390</b>	<b>455</b>	<b>455</b>	<b>541</b>	<b>584</b>	<b>624</b>
18 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>Total Power Sales Contracts</b>														
19 Cooperative	2559	2559	2344	2339	2704	3077	3050	2868	2571	2521	2521	2460	2502	2665
20 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
21 Federal Entities	132	132	128	150	188	212	213	196	177	148	148	137	141	149
22 Municipality	2018	1967	2053	1962	2629	2811	2791	2657	2625	2000	2009	1815	1600	1911
23 Public Utility District	4056	3891	3564	3752	4645	5022	4699	4474	4667	4073	4101	4496	4009	3821
24 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>25 Total Power Sales Contracts</b>	<b>9465</b>	<b>9249</b>	<b>8712</b>	<b>8702</b>	<b>10508</b>	<b>11580</b>	<b>11143</b>	<b>10586</b>	<b>10520</b>	<b>9288</b>	<b>9324</b>	<b>9539</b>	<b>8926</b>	<b>9259</b>



**BPA Sales to Preference and Legacy Customers**  
**Operating Year 2020 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
<b>1 DSI Obligation</b>	<b>89.5</b>	<b>89.5</b>	<b>89.2</b>	<b>90.1</b>	<b>90.1</b>	<b>89.8</b>	<b>90.3</b>	<b>89.7</b>	<b>90.0</b>	<b>90.3</b>	<b>90.3</b>	<b>90.0</b>	<b>89.4</b>	<b>89.4</b>
2 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
<b>3 Load Following</b>	<b>4357</b>	<b>4357</b>	<b>4071</b>	<b>4324</b>	<b>5029</b>	<b>5663</b>	<b>5718</b>	<b>5417</b>	<b>4889</b>	<b>4652</b>	<b>4652</b>	<b>4295</b>	<b>4294</b>	<b>4563</b>
4 Cooperative	2557	2557	2349	2354	2722	3097	3068	2893	2591	2539	2539	2479	2520	2682
5 Municipality	763	763	696	720	854	952	1029	978	870	805	805	733	766	837
6 Public Utility District	895	895	891	1095	1255	1391	1396	1339	1242	1152	1152	939	862	888
7 Federal Entities	141	141	136	156	198	223	225	206	186	155	155	143	147	156
<b>8 Slice Block</b>	<b>1388</b>	<b>1388</b>	<b>1338</b>	<b>1338</b>	<b>1552</b>	<b>1768</b>	<b>1758</b>	<b>1563</b>	<b>1498</b>	<b>1398</b>	<b>1398</b>	<b>1349</b>	<b>1326</b>	<b>1381</b>
9 Municipality	288	288	289	271	321	390	386	356	358	316	316	270	260	284
10 Public Utility District	1100	1100	1049	1067	1231	1378	1371	1207	1140	1082	1082	1079	1066	1097
<b>11 Slice Output from T1 System</b>	<b>2767</b>	<b>2525</b>	<b>2183</b>	<b>2049</b>	<b>2765</b>	<b>2825</b>	<b>2526</b>	<b>2416</b>	<b>2893</b>	<b>2464</b>	<b>2077</b>	<b>3204</b>	<b>2833</b>	<b>2552</b>
12 Municipality	646	589	510	486	656	670	599	573	686	584	493	760	672	605
13 Public Utility District	2121	1936	1674	1563	2109	2155	1927	1843	2207	1880	1585	2444	2161	1947
<b>14 Tier 1 Block</b>	<b>346</b>	<b>346</b>	<b>583</b>	<b>511</b>	<b>827</b>	<b>822</b>	<b>893</b>	<b>810</b>	<b>802</b>	<b>405</b>	<b>405</b>	<b>136</b>	<b>9.29</b>	<b>314</b>
15 Municipality	346	346	583	492	806	794	862	783	776	388	388	123	0	295
16 Public Utility District	0	0	0	18.2	21.0	28.2	31.0	27.3	25.4	17.4	17.4	13.0	9.29	18.9
<b>17 USBR Obligation</b>	<b>611</b>	<b>611</b>	<b>534</b>	<b>409</b>	<b>252</b>	<b>369</b>	<b>300</b>	<b>301</b>	<b>390</b>	<b>455</b>	<b>455</b>	<b>541</b>	<b>584</b>	<b>624</b>
18 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>Total Power Sales Contracts</b>														
19 Cooperative	2557	2557	2349	2354	2722	3097	3068	2893	2591	2539	2539	2479	2520	2682
20 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
21 Federal Entities	141	141	136	156	198	223	225	206	186	155	155	143	147	156
22 Municipality	2042	1986	2077	1969	2637	2805	2876	2690	2691	2094	2002	1886	1697	2022
23 Public Utility District	4117	3931	3614	3743	4616	4952	4726	4416	4614	4131	3836	4476	4099	3950
24 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>25 Total Power Sales Contracts</b>	<b>9557</b>	<b>9315</b>	<b>8800</b>	<b>8722</b>	<b>10515</b>	<b>11536</b>	<b>11284</b>	<b>10596</b>	<b>10561</b>	<b>9465</b>	<b>9078</b>	<b>9615</b>	<b>9136</b>	<b>9523</b>

**BPA Sales to Preference and Legacy Customers**  
**Operating Year 2021 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
<b>1 DSI Obligation</b>	<b>89.5</b>	<b>89.5</b>	<b>89.2</b>	<b>90.1</b>	<b>90.1</b>	<b>89.8</b>	<b>90.3</b>	<b>89.7</b>	<b>90.0</b>	<b>90.3</b>	<b>90.3</b>	<b>90.0</b>	<b>89.4</b>	<b>89.4</b>
2 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
<b>3 Load Following</b>	<b>4442</b>	<b>4442</b>	<b>4171</b>	<b>4419</b>	<b>5121</b>	<b>5755</b>	<b>5754</b>	<b>5448</b>	<b>4921</b>	<b>4681</b>	<b>4681</b>	<b>4329</b>	<b>4322</b>	<b>4591</b>
4 Cooperative	2569	2569	2373	2368	2733	3110	3086	2908	2608	2556	2556	2495	2529	2692
5 Municipality	831	831	768	786	921	1017	1034	982	874	809	809	737	769	841
6 Public Utility District	894	894	889	1107	1266	1403	1408	1350	1252	1160	1160	953	876	900
7 Federal Entities	148	148	142	157	200	224	226	208	187	156	156	144	148	157
<b>8 Slice Block</b>	<b>1352</b>	<b>1352</b>	<b>1301</b>	<b>1375</b>	<b>1594</b>	<b>1816</b>	<b>1806</b>	<b>1663</b>	<b>1539</b>	<b>1436</b>	<b>1436</b>	<b>1385</b>	<b>1361</b>	<b>1417</b>
9 Municipality	278	278	280	278	330	401	397	379	367	325	325	277	267	292
10 Public Utility District	1074	1074	1022	1096	1265	1415	1409	1284	1171	1111	1111	1108	1094	1125
<b>11 Slice Output from T1 System</b>	<b>2599</b>	<b>2588</b>	<b>2073</b>	<b>1978</b>	<b>2772</b>	<b>2831</b>	<b>2600</b>	<b>2427</b>	<b>2562</b>	<b>2412</b>	<b>2072</b>	<b>3180</b>	<b>2619</b>	<b>2568</b>
12 Municipality	616	614	492	469	657	671	617	576	607	572	491	754	621	609
13 Public Utility District	1983	1974	1581	1509	2114	2160	1983	1852	1954	1840	1581	2426	1998	1959
<b>14 Tier 1 Block</b>	<b>365</b>	<b>365</b>	<b>608</b>	<b>511</b>	<b>827</b>	<b>822</b>	<b>893</b>	<b>839</b>	<b>802</b>	<b>405</b>	<b>405</b>	<b>136</b>	<b>9.53</b>	<b>315</b>
15 Municipality	351	351	591	492	806	793	861	810	776	388	388	123	0	295
16 Public Utility District	14.4	14.4	16.4	18.7	21.6	28.9	31.8	29.0	26.0	17.8	17.8	13.4	9.53	19.4
<b>17 USBR Obligation</b>	<b>611</b>	<b>611</b>	<b>534</b>	<b>409</b>	<b>252</b>	<b>369</b>	<b>300</b>	<b>301</b>	<b>390</b>	<b>455</b>	<b>455</b>	<b>541</b>	<b>584</b>	<b>624</b>
18 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>Total Power Sales Contracts</b>														
19 Cooperative	2569	2569	2373	2368	2733	3110	3086	2908	2608	2556	2556	2495	2529	2692
20 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
21 Federal Entities	148	148	142	157	200	224	226	208	187	156	156	144	148	157
22 Municipality	2076	2074	2131	2026	2714	2883	2908	2747	2625	2093	2012	1891	1657	2037
23 Public Utility District	3966	3957	3508	3730	4667	5007	4832	4515	4403	4130	3870	4500	3977	4004
24 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>25 Total Power Sales Contracts</b>	<b>9459</b>	<b>9448</b>	<b>8777</b>	<b>8781</b>	<b>10657</b>	<b>11683</b>	<b>11442</b>	<b>10769</b>	<b>10303</b>	<b>9480</b>	<b>9140</b>	<b>9661</b>	<b>8985</b>	<b>9604</b>

**BPA Sales to Preference and Legacy Customers**  
**Operating Year 2022 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
<b>1 DSI Obligation</b>	<b>89.5</b>	<b>89.5</b>	<b>89.2</b>	<b>90.1</b>	<b>90.1</b>	<b>89.8</b>	<b>90.3</b>	<b>89.7</b>	<b>90.0</b>	<b>90.3</b>	<b>90.3</b>	<b>90.0</b>	<b>89.4</b>	<b>89.4</b>
2 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
<b>3 Load Following</b>	<b>4469</b>	<b>4469</b>	<b>4204</b>	<b>4442</b>	<b>5146</b>	<b>5781</b>	<b>5780</b>	<b>5438</b>	<b>4947</b>	<b>4695</b>	<b>4695</b>	<b>4350</b>	<b>4335</b>	<b>4602</b>
4 Cooperative	2579	2579	2390	2377	2743	3119	3096	2888	2617	2552	2552	2501	2527	2689
5 Municipality	835	835	772	789	924	1021	1037	984	877	811	811	739	772	844
6 Public Utility District	906	906	900	1118	1278	1416	1420	1362	1265	1176	1176	966	888	912
7 Federal Entities	149	149	142	158	200	225	227	205	188	156	156	145	148	157
<b>8 Slice Block</b>	<b>1388</b>	<b>1388</b>	<b>1336</b>	<b>1343</b>	<b>1558</b>	<b>1774</b>	<b>1764</b>	<b>1625</b>	<b>1503</b>	<b>1403</b>	<b>1403</b>	<b>1354</b>	<b>1330</b>	<b>1385</b>
9 Municipality	286	286	287	271	321	390	386	369	357	316	316	270	260	284
10 Public Utility District	1102	1102	1049	1072	1237	1385	1378	1256	1146	1087	1087	1084	1070	1101
<b>11 Slice Output from T1 System</b>	<b>2618</b>	<b>2583</b>	<b>2070</b>	<b>2006</b>	<b>2759</b>	<b>2797</b>	<b>2614</b>	<b>2492</b>	<b>2543</b>	<b>2417</b>	<b>2090</b>	<b>3168</b>	<b>2886</b>	<b>2561</b>
12 Municipality	621	612	491	476	654	663	620	591	603	573	496	751	684	607
13 Public Utility District	1997	1970	1579	1530	2105	2134	1994	1901	1940	1844	1594	2417	2201	1954
<b>14 Tier 1 Block</b>	<b>365</b>	<b>365</b>	<b>608</b>	<b>510</b>	<b>827</b>	<b>821</b>	<b>892</b>	<b>838</b>	<b>801</b>	<b>405</b>	<b>405</b>	<b>136</b>	<b>9.26</b>	<b>314</b>
15 Municipality	351	351	591	492	806	793	861	810	776	388	388	123	0	295
16 Public Utility District	14.8	14.8	16.8	18.2	20.9	28.1	30.9	28.2	25.3	17.3	17.3	13.0	9.26	18.9
<b>17 USBR Obligation</b>	<b>611</b>	<b>611</b>	<b>534</b>	<b>409</b>	<b>252</b>	<b>369</b>	<b>300</b>	<b>301</b>	<b>390</b>	<b>455</b>	<b>455</b>	<b>541</b>	<b>584</b>	<b>624</b>
18 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>Total Power Sales Contracts</b>														
19 Cooperative	2579	2579	2390	2377	2743	3119	3096	2888	2617	2552	2552	2501	2527	2689
20 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
21 Federal Entities	149	149	142	158	200	225	227	205	188	156	156	145	148	157
22 Municipality	2092	2083	2141	2027	2705	2867	2904	2753	2613	2088	2010	1883	1716	2031
23 Public Utility District	4020	3993	3545	3738	4641	4963	4823	4547	4376	4124	3875	4479	4169	3985
24 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>25 Total Power Sales Contracts</b>	<b>9540</b>	<b>9505</b>	<b>8842</b>	<b>8800</b>	<b>10631</b>	<b>11632</b>	<b>11440</b>	<b>10783</b>	<b>10273</b>	<b>9465</b>	<b>9138</b>	<b>9638</b>	<b>9233</b>	<b>9576</b>

**BPA Sales to Preference and Legacy Customers**  
**Operating Year 2023 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
<b>1 DSI Obligation</b>	<b>89.5</b>	<b>89.5</b>	<b>89.2</b>	<b>90.1</b>	<b>90.1</b>	<b>89.8</b>	<b>90.3</b>	<b>89.7</b>	<b>90.0</b>	<b>90.3</b>	<b>90.3</b>	<b>90.0</b>	<b>89.4</b>	<b>89.4</b>
2 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
<b>3 Load Following</b>	<b>4480</b>	<b>4480</b>	<b>4223</b>	<b>4465</b>	<b>5169</b>	<b>5798</b>	<b>5794</b>	<b>5483</b>	<b>4969</b>	<b>4708</b>	<b>4708</b>	<b>4367</b>	<b>4349</b>	<b>4617</b>
4 Cooperative	2576	2576	2395	2388	2754	3122	3095	2912	2625	2550	2550	2502	2526	2689
5 Municipality	838	838	774	792	927	1025	1042	990	881	814	814	742	775	848
6 Public Utility District	917	917	911	1129	1289	1428	1431	1374	1276	1188	1188	978	900	924
7 Federal Entities	149	149	143	157	199	224	225	207	187	156	156	144	148	157
<b>8 Slice Block</b>	<b>1356</b>	<b>1356</b>	<b>1305</b>	<b>1380</b>	<b>1601</b>	<b>1823</b>	<b>1813</b>	<b>1669</b>	<b>1544</b>	<b>1441</b>	<b>1441</b>	<b>1390</b>	<b>1366</b>	<b>1422</b>
9 Municipality	278	278	280	278	329	400	396	378	366	324	324	276	266	292
10 Public Utility District	1078	1078	1026	1102	1272	1424	1417	1291	1178	1117	1117	1114	1100	1131
<b>11 Slice Output from T1 System</b>	<b>2639</b>	<b>2574</b>	<b>2122</b>	<b>2039</b>	<b>2766</b>	<b>2817</b>	<b>2643</b>	<b>2520</b>	<b>2485</b>	<b>2426</b>	<b>2090</b>	<b>3176</b>	<b>2721</b>	<b>2575</b>
12 Municipality	626	611	503	484	656	668	627	598	589	575	496	753	645	611
13 Public Utility District	2013	1964	1619	1556	2110	2149	2016	1923	1896	1851	1594	2423	2075	1964
<b>14 Tier 1 Block</b>	<b>365</b>	<b>365</b>	<b>607</b>	<b>511</b>	<b>827</b>	<b>822</b>	<b>893</b>	<b>839</b>	<b>802</b>	<b>405</b>	<b>405</b>	<b>136</b>	<b>9.53</b>	<b>315</b>
15 Municipality	350	350	591	492	806	793	861	810	776	388	388	123	0	295
16 Public Utility District	14.4	14.4	16.3	18.7	21.5	28.9	31.8	29.0	26.0	17.8	17.8	13.4	9.53	19.4
<b>17 USBR Obligation</b>	<b>611</b>	<b>611</b>	<b>534</b>	<b>409</b>	<b>252</b>	<b>369</b>	<b>300</b>	<b>301</b>	<b>390</b>	<b>455</b>	<b>455</b>	<b>541</b>	<b>584</b>	<b>624</b>
18 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>Total Power Sales Contracts</b>														
19 Cooperative	2576	2576	2395	2388	2754	3122	3095	2912	2625	2550	2550	2502	2526	2689
20 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
21 Federal Entities	149	149	143	157	199	224	225	207	187	156	156	144	148	157
22 Municipality	2092	2077	2148	2045	2718	2885	2925	2776	2612	2101	2021	1895	1687	2045
23 Public Utility District	4022	3973	3572	3805	4692	5029	4897	4617	4376	4174	3917	4528	4084	4038
24 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>25 Total Power Sales Contracts</b>	<b>9540</b>	<b>9475</b>	<b>8881</b>	<b>8895</b>	<b>10705</b>	<b>11719</b>	<b>11533</b>	<b>10903</b>	<b>10280</b>	<b>9526</b>	<b>9190</b>	<b>9700</b>	<b>9118</b>	<b>9642</b>

**BPA Sales to Preference and Legacy Customers**  
**Operating Year 2024 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
<b>1 DSI Obligation</b>	<b>89.5</b>	<b>89.5</b>	<b>89.2</b>	<b>90.1</b>	<b>90.1</b>	<b>89.8</b>	<b>90.3</b>	<b>89.7</b>	<b>90.0</b>	<b>90.3</b>	<b>90.3</b>	<b>90.0</b>	<b>89.4</b>	<b>89.4</b>
2 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
<b>3 Load Following</b>	<b>4494</b>	<b>4494</b>	<b>4235</b>	<b>4488</b>	<b>5194</b>	<b>5816</b>	<b>5809</b>	<b>5487</b>	<b>4985</b>	<b>4720</b>	<b>4720</b>	<b>4380</b>	<b>4363</b>	<b>4632</b>
4 Cooperative	2575	2575	2393	2397	2763	3124	3095	2901	2627	2548	2548	2501	2526	2690
5 Municipality	842	842	777	794	931	1028	1044	993	883	816	816	743	776	850
6 Public Utility District	928	928	922	1140	1301	1440	1443	1386	1288	1200	1200	991	912	936
7 Federal Entities	149	149	142	158	200	224	226	208	187	156	156	145	148	157
<b>8 Slice Block</b>	<b>1393</b>	<b>1393</b>	<b>1341</b>	<b>1353</b>	<b>1569</b>	<b>1787</b>	<b>1777</b>	<b>1579</b>	<b>1513</b>	<b>1412</b>	<b>1412</b>	<b>1363</b>	<b>1339</b>	<b>1394</b>
9 Municipality	285	285	287	271	320	389	386	356	357	316	316	269	260	284
10 Public Utility District	1108	1108	1054	1082	1248	1397	1391	1223	1156	1096	1096	1093	1079	1110
<b>11 Slice Output from T1 System</b>	<b>2622</b>	<b>2573</b>	<b>2150</b>	<b>2007</b>	<b>2761</b>	<b>2799</b>	<b>2616</b>	<b>2493</b>	<b>2544</b>	<b>2421</b>	<b>2094</b>	<b>3167</b>	<b>2887</b>	<b>2563</b>
12 Municipality	622	610	510	476	655	664	620	591	603	574	497	751	685	608
13 Public Utility District	2000	1962	1640	1531	2106	2135	1995	1902	1941	1846	1597	2416	2203	1955
<b>14 Tier 1 Block</b>	<b>365</b>	<b>365</b>	<b>608</b>	<b>511</b>	<b>829</b>	<b>823</b>	<b>894</b>	<b>811</b>	<b>803</b>	<b>406</b>	<b>406</b>	<b>136</b>	<b>9.29</b>	<b>315</b>
15 Municipality	350	350	591	493	808	795	863	784	778	389	389	123	0	296
16 Public Utility District	14.8	14.8	16.8	18.2	21.0	28.2	31.0	27.3	25.3	17.4	17.4	13.0	9.29	18.9
<b>17 USBR Obligation</b>	<b>611</b>	<b>611</b>	<b>534</b>	<b>409</b>	<b>252</b>	<b>369</b>	<b>300</b>	<b>301</b>	<b>390</b>	<b>455</b>	<b>455</b>	<b>541</b>	<b>584</b>	<b>624</b>
18 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>Total Power Sales Contracts</b>														
19 Cooperative	2575	2575	2393	2397	2763	3124	3095	2901	2627	2548	2548	2501	2526	2690
20 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
21 Federal Entities	149	149	142	158	200	224	226	208	187	156	156	145	148	157
22 Municipality	2099	2087	2165	2034	2714	2877	2913	2724	2621	2094	2016	1887	1721	2038
23 Public Utility District	4051	4013	3633	3771	4676	5000	4860	4538	4410	4160	3911	4513	4203	4019
24 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>25 Total Power Sales Contracts</b>	<b>9574</b>	<b>9524</b>	<b>8957</b>	<b>8859</b>	<b>10694</b>	<b>11683</b>	<b>11485</b>	<b>10762</b>	<b>10325</b>	<b>9503</b>	<b>9176</b>	<b>9677</b>	<b>9272</b>	<b>9617</b>

**BPA Sales to Preference and Legacy Customers**  
**Operating Year 2025 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
<b>1 DSI Obligation</b>	<b>89.5</b>	<b>89.5</b>	<b>89.2</b>	<b>90.1</b>	<b>90.1</b>	<b>89.8</b>	<b>90.3</b>	<b>89.7</b>	<b>90.0</b>	<b>90.3</b>	<b>90.3</b>	<b>90.0</b>	<b>89.4</b>	<b>89.4</b>
2 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
<b>3 Load Following</b>	<b>4506</b>	<b>4506</b>	<b>4246</b>	<b>4501</b>	<b>5213</b>	<b>5836</b>	<b>5830</b>	<b>5523</b>	<b>5011</b>	<b>4747</b>	<b>4747</b>	<b>4414</b>	<b>4406</b>	<b>4674</b>
4 Cooperative	2574	2574	2392	2393	2764	3125	3098	2918	2636	2561	2561	2518	2551	2715
5 Municipality	843	843	779	797	934	1032	1049	996	886	819	819	746	780	853
6 Public Utility District	939	939	933	1152	1313	1452	1455	1398	1299	1209	1209	1005	926	947
7 Federal Entities	149	149	143	159	202	227	229	210	189	158	158	146	150	159
<b>8 Slice Block</b>	<b>1365</b>	<b>1365</b>	<b>1314</b>	<b>1386</b>	<b>1608</b>	<b>1832</b>	<b>1821</b>	<b>1677</b>	<b>1552</b>	<b>1448</b>	<b>1448</b>	<b>1396</b>	<b>1371</b>	<b>1428</b>
9 Municipality	278	278	280	281	333	404	400	382	371	328	328	280	269	295
10 Public Utility District	1087	1087	1034	1105	1275	1428	1421	1295	1181	1120	1120	1117	1102	1133
<b>11 Slice Output from T1 System</b>	<b>2640</b>	<b>2575</b>	<b>2124</b>	<b>2041</b>	<b>2767</b>	<b>2818</b>	<b>2645</b>	<b>2522</b>	<b>2486</b>	<b>2430</b>	<b>2093</b>	<b>3175</b>	<b>2722</b>	<b>2576</b>
12 Municipality	626	611	504	484	656	668	627	598	590	576	496	753	646	611
13 Public Utility District	2014	1964	1620	1557	2111	2150	2017	1924	1897	1853	1597	2422	2076	1965
<b>14 Tier 1 Block</b>	<b>366</b>	<b>366</b>	<b>609</b>	<b>510</b>	<b>827</b>	<b>822</b>	<b>892</b>	<b>839</b>	<b>802</b>	<b>405</b>	<b>405</b>	<b>136</b>	<b>9.53</b>	<b>314</b>
15 Municipality	351	351	592	492	806	793	861	810	776	387	387	123	0	295
16 Public Utility District	14.4	14.4	16.4	18.7	21.5	28.9	31.8	29.0	26.0	17.8	17.8	13.4	9.53	19.4
<b>17 USBR Obligation</b>	<b>611</b>	<b>611</b>	<b>534</b>	<b>409</b>	<b>252</b>	<b>369</b>	<b>300</b>	<b>301</b>	<b>390</b>	<b>455</b>	<b>455</b>	<b>541</b>	<b>584</b>	<b>624</b>
18 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>Total Power Sales Contracts</b>														
19 Cooperative	2574	2574	2392	2393	2764	3125	3098	2918	2636	2561	2561	2518	2551	2715
20 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
21 Federal Entities	149	149	143	159	202	227	229	210	189	158	158	146	150	159
22 Municipality	2099	2084	2154	2054	2729	2898	2937	2787	2622	2110	2030	1902	1695	2054
23 Public Utility District	4055	4005	3603	3832	4720	5059	4926	4645	4403	4200	3944	4557	4114	4065
24 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>25 Total Power Sales Contracts</b>	<b>9577</b>	<b>9512</b>	<b>8916</b>	<b>8937</b>	<b>10757</b>	<b>11766</b>	<b>11579</b>	<b>10952</b>	<b>10330</b>	<b>9575</b>	<b>9238</b>	<b>9753</b>	<b>9182</b>	<b>9706</b>

**BPA Sales to Preference and Legacy Customers**  
**Operating Year 2026 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
<b>1 DSI Obligation</b>	<b>89.5</b>	<b>89.5</b>	<b>89.2</b>	<b>90.1</b>	<b>90.1</b>	<b>89.8</b>	<b>90.3</b>	<b>89.7</b>	<b>90.0</b>	<b>90.3</b>	<b>90.3</b>	<b>90.0</b>	<b>89.4</b>	<b>89.4</b>
2 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
<b>3 Load Following</b>	<b>4546</b>	<b>4546</b>	<b>4285</b>	<b>4530</b>	<b>5236</b>	<b>5878</b>	<b>5860</b>	<b>5520</b>	<b>5030</b>	<b>4773</b>	<b>4773</b>	<b>4433</b>	<b>4426</b>	<b>4696</b>
4 Cooperative	2599	2599	2417	2411	2776	3155	3118	2914	2648	2580	2580	2534	2570	2735
5 Municipality	847	847	782	801	938	1037	1053	998	890	822	822	749	783	857
6 Public Utility District	949	949	941	1157	1318	1456	1458	1399	1301	1212	1212	1002	922	944
7 Federal Entities	151	151	144	161	204	229	231	209	191	160	160	147	151	161
<b>8 Slice Block</b>	<b>1399</b>	<b>1399</b>	<b>1346</b>	<b>1357</b>	<b>1574</b>	<b>1794</b>	<b>1783</b>	<b>1642</b>	<b>1519</b>	<b>1417</b>	<b>1417</b>	<b>1367</b>	<b>1342</b>	<b>1398</b>
9 Municipality	288	288	290	276	327	397	393	376	364	322	322	275	265	289
10 Public Utility District	1110	1110	1056	1081	1247	1397	1390	1266	1155	1095	1095	1093	1078	1108
<b>11 Slice Output from T1 System</b>	<b>2623</b>	<b>2574</b>	<b>2151</b>	<b>2008</b>	<b>2762</b>	<b>2796</b>	<b>2612</b>	<b>2490</b>	<b>2541</b>	<b>2417</b>	<b>2090</b>	<b>3166</b>	<b>2884</b>	<b>2559</b>
12 Municipality	622	610	510	476	655	663	620	590	603	573	496	751	684	607
13 Public Utility District	2001	1963	1641	1532	2107	2133	1993	1899	1938	1844	1595	2415	2200	1952
<b>14 Tier 1 Block</b>	<b>365</b>	<b>365</b>	<b>608</b>	<b>510</b>	<b>827</b>	<b>821</b>	<b>892</b>	<b>838</b>	<b>801</b>	<b>405</b>	<b>405</b>	<b>136</b>	<b>9.26</b>	<b>314</b>
15 Municipality	350	350	591	492	806	793	861	810	776	388	388	123	0	295
16 Public Utility District	14.8	14.8	16.8	18.2	20.9	28.1	30.9	28.2	25.3	17.3	17.3	13.0	9.26	18.9
<b>17 USBR Obligation</b>	<b>611</b>	<b>611</b>	<b>534</b>	<b>409</b>	<b>252</b>	<b>369</b>	<b>300</b>	<b>301</b>	<b>390</b>	<b>455</b>	<b>455</b>	<b>541</b>	<b>584</b>	<b>624</b>
18 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>Total Power Sales Contracts</b>														
19 Cooperative	2599	2599	2417	2411	2776	3155	3118	2914	2648	2580	2580	2534	2570	2735
20 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
21 Federal Entities	151	151	144	161	204	229	231	209	191	160	160	147	151	161
22 Municipality	2108	2096	2173	2045	2726	2890	2926	2774	2632	2104	2027	1898	1731	2048
23 Public Utility District	4076	4038	3655	3788	4693	5014	4872	4593	4419	4168	3919	4523	4209	4023
24 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>25 Total Power Sales Contracts</b>	<b>9633</b>	<b>9584</b>	<b>9013</b>	<b>8904</b>	<b>10740</b>	<b>11747</b>	<b>11538</b>	<b>10881</b>	<b>10370</b>	<b>9557</b>	<b>9230</b>	<b>9732</b>	<b>9335</b>	<b>9681</b>

**BPA Sales to Preference and Legacy Customers**  
**Operating Year 2027 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
<b>1 DSI Obligation</b>	<b>89.5</b>	<b>89.5</b>	<b>89.2</b>	<b>90.1</b>	<b>90.1</b>	<b>89.8</b>	<b>90.3</b>	<b>89.7</b>	<b>90.0</b>	<b>90.3</b>	<b>90.3</b>	<b>90.0</b>	<b>89.4</b>	<b>89.4</b>
2 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
<b>3 Load Following</b>	<b>4567</b>	<b>4567</b>	<b>4296</b>	<b>4541</b>	<b>5248</b>	<b>5895</b>	<b>5883</b>	<b>5574</b>	<b>5042</b>	<b>4792</b>	<b>4792</b>	<b>4444</b>	<b>4447</b>	<b>4718</b>
4 Cooperative	2619	2619	2428	2421	2787	3170	3138	2958	2658	2598	2598	2545	2590	2755
5 Municipality	851	851	785	804	942	1041	1057	1005	894	825	825	752	786	861
6 Public Utility District	946	946	937	1154	1315	1454	1456	1397	1298	1209	1209	999	919	941
7 Federal Entities	152	152	146	161	205	230	232	213	192	160	160	148	152	161
<b>8 Slice Block</b>	<b>1369</b>	<b>1369</b>	<b>1318</b>	<b>1392</b>	<b>1616</b>	<b>1842</b>	<b>1831</b>	<b>1686</b>	<b>1560</b>	<b>1455</b>	<b>1455</b>	<b>1404</b>	<b>1378</b>	<b>1435</b>
9 Municipality	283	283	285	285	337	410	406	388	376	332	332	284	273	299
10 Public Utility District	1086	1086	1033	1108	1279	1432	1425	1298	1184	1123	1123	1120	1105	1136
<b>11 Slice Output from T1 System</b>	<b>2637</b>	<b>2572</b>	<b>2120</b>	<b>2037</b>	<b>2763</b>	<b>2815</b>	<b>2641</b>	<b>2518</b>	<b>2483</b>	<b>2426</b>	<b>2090</b>	<b>3174</b>	<b>2718</b>	<b>2572</b>
12 Municipality	625	610	503	483	655	667	626	597	589	575	496	753	645	610
13 Public Utility District	2011	1962	1617	1554	2108	2147	2015	1921	1894	1851	1594	2421	2074	1962
<b>14 Tier 1 Block</b>	<b>365</b>	<b>365</b>	<b>607</b>	<b>511</b>	<b>827</b>	<b>822</b>	<b>893</b>	<b>839</b>	<b>802</b>	<b>405</b>	<b>405</b>	<b>136</b>	<b>9.53</b>	<b>315</b>
15 Municipality	350	350	591	492	806	793	861	810	776	388	388	123	0	295
16 Public Utility District	14.4	14.4	16.3	18.7	21.5	28.9	31.8	29.0	26.0	17.8	17.8	13.4	9.53	19.4
<b>17 USBR Obligation</b>	<b>611</b>	<b>611</b>	<b>534</b>	<b>409</b>	<b>252</b>	<b>369</b>	<b>300</b>	<b>301</b>	<b>390</b>	<b>455</b>	<b>455</b>	<b>541</b>	<b>584</b>	<b>624</b>
18 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>Total Power Sales Contracts</b>														
19 Cooperative	2619	2619	2428	2421	2787	3170	3138	2958	2658	2598	2598	2545	2590	2755
20 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
21 Federal Entities	152	152	146	161	205	230	232	213	192	160	160	148	152	161
22 Municipality	2109	2094	2163	2064	2741	2912	2950	2800	2634	2120	2040	1912	1704	2065
23 Public Utility District	4057	4008	3604	3835	4723	5062	4927	4645	4402	4200	3944	4553	4106	4058
24 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>25 Total Power Sales Contracts</b>	<b>9638</b>	<b>9573</b>	<b>8964</b>	<b>8981</b>	<b>10797</b>	<b>11832</b>	<b>11638</b>	<b>11008</b>	<b>10366</b>	<b>9624</b>	<b>9288</b>	<b>9788</b>	<b>9225</b>	<b>9752</b>



**BPA Sales to Preference and Legacy Customers**  
**Operating Year 2028 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Pacific Northwest</b>														
<b>1 DSI Obligation</b>	<b>89.5</b>	<b>89.5</b>	<b>89.2</b>	<b>90.1</b>	<b>90.1</b>	<b>89.8</b>	<b>90.3</b>	<b>89.7</b>	<b>90.0</b>	<b>90.3</b>	<b>90.3</b>	<b>90.0</b>	<b>89.4</b>	<b>89.4</b>
2 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
<b>3 Load Following</b>	<b>4587</b>	<b>4587</b>	<b>4306</b>	<b>4551</b>	<b>5260</b>	<b>5907</b>	<b>5901</b>	<b>5593</b>	<b>5054</b>	<b>4806</b>	<b>4806</b>	<b>4454</b>	<b>4460</b>	<b>4727</b>
4 Cooperative	2638	2638	2439	2432	2798	3182	3154	2976	2670	2614	2614	2557	2605	2767
5 Municipality	854	854	789	808	946	1046	1065	1012	900	831	831	758	792	867
6 Public Utility District	941	941	932	1149	1310	1448	1450	1390	1291	1201	1201	990	910	931
7 Federal Entities	153	153	146	162	206	231	233	214	193	161	161	149	152	162
<b>8 Slice Block</b>	<b>1405</b>	<b>1405</b>	<b>1353</b>	<b>1366</b>	<b>1585</b>	<b>1807</b>	<b>1796</b>	<b>1597</b>	<b>1530</b>	<b>1427</b>	<b>1427</b>	<b>1377</b>	<b>1351</b>	<b>1407</b>
9 Municipality	292	292	294	280	332	403	399	368	369	327	327	279	269	294
10 Public Utility District	1113	1113	1059	1086	1254	1404	1397	1229	1161	1101	1101	1098	1083	1113
<b>11 Slice Output from T1 System</b>	<b>2620</b>	<b>2570</b>	<b>2147</b>	<b>2005</b>	<b>2758</b>	<b>2796</b>	<b>2613</b>	<b>2491</b>	<b>2541</b>	<b>2418</b>	<b>2091</b>	<b>3166</b>	<b>2884</b>	<b>2560</b>
12 Municipality	621	610	509	475	654	663	620	591	603	573	496	751	684	607
13 Public Utility District	1998	1961	1638	1530	2104	2133	1993	1900	1939	1844	1595	2415	2200	1953
<b>14 Tier 1 Block</b>	<b>365</b>	<b>365</b>	<b>608</b>	<b>511</b>	<b>829</b>	<b>823</b>	<b>894</b>	<b>811</b>	<b>803</b>	<b>406</b>	<b>406</b>	<b>136</b>	<b>9.28</b>	<b>315</b>
15 Municipality	350	350	591	493	808	795	863	784	778	389	389	123	0	296
16 Public Utility District	14.8	14.8	16.8	18.2	21.0	28.2	31.0	27.3	25.3	17.4	17.4	13.0	9.28	18.9
<b>17 USBR Obligation</b>	<b>611</b>	<b>611</b>	<b>534</b>	<b>409</b>	<b>252</b>	<b>369</b>	<b>300</b>	<b>301</b>	<b>390</b>	<b>455</b>	<b>455</b>	<b>541</b>	<b>584</b>	<b>624</b>
18 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>Total Power Sales Contracts</b>														
19 Cooperative	2638	2638	2439	2432	2798	3182	3154	2976	2670	2614	2614	2557	2605	2767
20 Direct Service Industry	89.5	89.5	89.2	90.1	90.1	89.8	90.3	89.7	90.0	90.3	90.3	90.0	89.4	89.4
21 Federal Entities	153	153	146	162	206	231	233	214	193	161	161	149	152	162
22 Municipality	2118	2107	2183	2056	2740	2907	2946	2755	2650	2119	2042	1911	1745	2064
23 Public Utility District	4068	4030	3646	3783	4688	5014	4871	4546	4415	4163	3914	4517	4202	4017
24 USBR	611	611	534	409	252	369	300	301	390	455	455	541	584	624
<b>25 Total Power Sales Contracts</b>	<b>9677</b>	<b>9628</b>	<b>9037</b>	<b>8932</b>	<b>10774</b>	<b>11792</b>	<b>11594</b>	<b>10883</b>	<b>10408</b>	<b>9603</b>	<b>9276</b>	<b>9764</b>	<b>9378</b>	<b>9722</b>

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***Exhibit 22  
Regional Regulated Hydro***

***Monthly 1-Hour Capacity  
Operating Year 2019 to 2028  
Using 1937-Water Conditions***

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**Regional: Regulated Hydro**  
**Operating Year 2019 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regulated Hydro</b>														
1 Albeni Falls Hydroelectric	40.1	40.1	35.2	40.1	22.4	21.6	22.4	22.0	22.0	28.5	33.7	28.1	31.2	16.8
2 Alder Hydroelectric	37.1	30.5	0	0	0	4.45	45.0	36.9	37.0	36.3	41.1	46.8	49.5	43.6
3 Bonneville	944	944	961	933	949	901	943	997	992	922	922	891	922	922
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	914	676
5 Box Canyon Dam	76.9	77.0	76.4	74.5	74.4	75.7	76.3	76.0	76.0	98.7	97.0	89.7	85.4	83.7
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	65.3	65.3	65.8	66.0	65.8	65.2	64.5	64.3	64.1	3.00	3.00	66.0	67.1
9 Chief Joseph	2410	2410	2198	2335	2402	2370	2401	2396	2189	2447	2447	2501	2491	2395
10 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	19.8	22.5	26.0	29.0	33.1	33.6	26.4
11 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	4.94	3.63	1.98	1.98	1.32	88.0	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	156	117	200	199	164	196	195	198	200	442	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	4489	4403	4278	4057	4284	4219	4191	4277	4190	4121	3848	3623	3923	4639
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	293	292	290	256	233	309	344	268	185	159	119	181	192	262
19 Ice Harbor	415	416	570	502	524	576	583	585	523	542	529	578	577	459
20 John Day	2249	2249	2057	2016	2266	2360	2342	2321	2342	2315	2315	2205	2330	2342
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	63.7	64.0	64.0	64.0	64.0	63.3	63.8	63.3	63.3	63.8	63.5	63.3	63.3
23 Libby	246	245	513	593	589	583	487	559	495	574	574	574	553	442
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	782	782	923	821	872	850	926	907	915	918	912	904	885	784
26 Long Lake	72.0	72.0	72.2	72.4	72.4	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	64.2	57.3	0	0	0	0	63.6	49.7	49.7	-35.4	-37.5	61.1	69.4	71.4
28 Lower Granite	497	570	621	651	628	693	703	704	773	814	911	911	911	768
29 Lower Monumental	12.7	13.7	13.8	745	755	850	922	922	897	848	909	903	833	395
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	150	125
31 McNary	922	922	993	922	1033	1092	1117	1116	1110	1090	1090	1105	1056	1110
32 Merwin	147	146	140	130	135	143	128	115	115	113	124	124	129	147
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	251	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.2	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	330	448	448	428	440	432	440	440	440	528	543	533
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

**Regional: Regulated Hydro**  
**Operating Year 2019 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.34	11.3	10.5	9.45	8.70	9.83	10.4	11.6	12.2	10.9	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.6	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	571	577	565	539	526	554	582	590	602	602	598	571	571	581
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	395	213	355	301	398	355	303	231	210	201	200	370	446
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	135	264	228	188	162	140	152	158	0.23	233	263	263
50 Swift 2	62.1	62.1	39.3	62.5	69.5	76.1	76.1	76.1	76.1	76.1	0.10	76.1	64.9	62.1
51 The Dalles	1804	1804	1706	1666	1625	1605	1673	1708	1742	1777	1777	1789	1735	1656
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	102	99.0	90.9	83.3	83.0	0.06	43.8	98.7	102	103	102
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.85	10.2
55 Wanapum	847	841	836	836	889	843	836	836	836	836	840	849	849	838
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	105	133	129	112	102	94.0	94.0	106	106	0	133	130
<b>Total Regulated Hydro</b>														
58 Federal Entities	15551	15538	15316	15655	16383	16626	16818	16976	16570	16753	16585	16635	16890	16641
59 Investor Owned Utilities	4334	4259	3695	3903	4016	4015	4112	3992	3966	3896	3802	4151	4302	4261
60 Marketer	818	793	737	720	739	767	793	794	786	764	788	779	801	813
61 Municipality	2297	2260	2110	2240	2164	2113	2209	1933	1866	1906	1903	1889	2548	2347
62 Public Utility District	2428	2426	2571	2622	2678	2676	2661	2649	2575	2592	2589	2683	2746	2725
<b>63 Total Regulated Hydro</b>	<b>25427</b>	<b>25277</b>	<b>24428</b>	<b>25141</b>	<b>25980</b>	<b>26198</b>	<b>26594</b>	<b>26344</b>	<b>25764</b>	<b>25910</b>	<b>25668</b>	<b>26137</b>	<b>27287</b>	<b>26786</b>

**Regional: Regulated Hydro**  
**Operating Year 2020 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regulated Hydro</b>														
1 Albeni Falls Hydroelectric	14.8	14.8	17.9	29.9	27.8	21.6	22.4	22.0	22.0	28.5	33.7	33.1	31.2	27.0
2 Alder Hydroelectric	37.1	30.5	0	0	0	4.45	45.0	34.7	32.8	32.6	39.9	46.8	51.4	48.7
3 Bonneville	920	920	972	955	960	923	980	963	955	950	939	939	758	933
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	913	676
5 Box Canyon Dam	76.9	77.0	76.4	74.5	74.4	75.7	76.3	76.0	76.0	98.7	97.0	89.7	85.7	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	65.3	65.3	65.6	65.8	65.5	65.0	63.8	63.5	4.00	3.00	3.00	65.6	67.1
9 Chief Joseph	2385	2385	1846	2146	2261	2263	2221	2273	2141	2223	2223	2306	2318	2318
10 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.6	18.8	22.7	25.2	29.8	35.7	33.8
11 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	307	191	426	405	384	436	435	440	445	447	349	348
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	4583	4495	5054	4817	4096	3727	4213	4854	4855	4126	3895	3716	3964	4764
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	195	195	193	191	197	371	330	190	275	318	238	363	194	195
19 Ice Harbor	513	514	529	469	508	524	508	578	560	554	541	638	674	471
20 John Day	2226	2226	2004	1866	2233	2285	2268	2248	2259	2112	2112	2234	2285	2156
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	63.7	64.0	64.0	64.0	64.0	63.3	63.7	63.3	63.3	63.9	63.5	63.4	63.3
23 Libby	351	350	517	593	589	583	484	526	528	479	479	459	463	362
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	346	346	662	766	767	821	873	846	854	863	858	848	843	823
26 Long Lake	72.0	72.0	72.2	72.1	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	64.2	57.3	0	0	0	0	63.6	49.7	49.7	-35.4	-37.5	61.1	69.4	71.4
28 Lower Granite	604	693	811	766	770	780	806	846	857	776	867	867	867	750
29 Lower Monumental	248	269	451	705	763	868	878	878	853	808	866	860	780	708
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	128	125
31 McNary	1031	1031	978	952	979	1033	1062	1061	1055	1035	1035	1049	988	1053
32 Merwin	147	146	140	138	139	143	128	114	114	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	251	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	330	446	446	428	440	432	440	440	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

**Regional: Regulated Hydro**  
**Operating Year 2020 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 Continued**

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.34	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.2	10.9	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	571	577	565	539	526	553	582	590	602	602	602	571	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	395	213	349	297	398	355	301	226	204	197	199	369	446
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	135	258	224	188	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	39.3	64.6	70.9	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1642	1642	1672	1578	1607	1725	1697	1858	1862	1844	1844	1827	1752	1808
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	102	98.6	90.9	83.3	83.0	0.06	43.8	98.7	102	103	102
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	847	841	836	836	889	844	836	836	836	836	836	849	848	844
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	105	133	126	112	102	94.0	94.0	106	106	0	133	132
<b>Total Regulated Hydro</b>														
58 Federal Entities	15507	15528	16014	16026	16182	16331	16726	17578	17512	16558	16388	16588	16266	16716
59 Investor Owned Utilities	4025	3950	3695	3905	4013	4015	4112	3991	3965	3896	3803	4151	4289	4273
60 Marketer	818	793	737	720	739	767	793	794	786	764	789	779	801	812
61 Municipality	2297	2260	2110	2234	2160	2113	2209	2010	1853	1894	1893	1885	2441	2360
62 Public Utility District	2736	2735	2571	2621	2677	2676	2660	2648	2574	2532	2589	2683	2746	2725
<b>63 Total Regulated Hydro</b>	<b>25383</b>	<b>25267</b>	<b>25127</b>	<b>25506</b>	<b>25771</b>	<b>25902</b>	<b>26501</b>	<b>27021</b>	<b>26691</b>	<b>25643</b>	<b>25461</b>	<b>26086</b>	<b>26543</b>	<b>26887</b>

**Regional: Regulated Hydro**  
**Operating Year 2021 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regulated Hydro</b>														
1 Albeni Falls Hydroelectric	26.5	26.5	43.1	40.1	22.1	21.6	22.4	22.0	22.0	28.5	33.7	38.9	31.4	30.3
2 Alder Hydroelectric	37.1	30.5	0	0	0	4.45	45.0	34.7	32.8	32.6	39.9	46.8	51.4	48.7
3 Bonneville	905	905	929	913	907	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	913	676
5 Box Canyon Dam	76.9	77.0	76.4	74.5	74.4	75.7	76.3	76.0	76.0	98.7	97.0	89.7	85.7	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	65.3	65.3	65.6	65.8	65.5	65.0	63.8	63.5	4.00	3.00	3.00	65.6	67.1
9 Chief Joseph	2306	2306	2144	2236	2283	2261	2248	2289	2108	2213	2213	2328	2318	2328
10 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.6	18.8	22.7	25.2	29.8	35.7	33.8
11 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	348	347	398	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	4795	4703	3872	3753	4052	4069	4055	4554	4379	3875	3659	3632	4477	5133
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	195	195	193	195	343	371	242	179	175	159	119	181	260	195
19 Ice Harbor	608	609	614	627	610	672	596	681	662	654	639	674	674	492
20 John Day	2187	2187	1865	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	63.7	64.0	64.0	64.0	64.0	63.3	63.7	63.3	63.3	63.9	63.5	63.4	63.3
23 Libby	401	401	497	518	567	583	502	530	470	416	415	459	463	470
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	654	654	811	774	840	807	873	864	856	866	860	848	847	769
26 Long Lake	72.0	72.0	72.1	72.1	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	64.2	57.3	0	0	0	0	63.6	49.7	49.7	-35.4	-37.5	61.1	69.4	71.4
28 Lower Granite	633	726	767	726	740	857	796	856	857	776	867	867	867	778
29 Lower Monumental	650	704	711	705	771	870	878	878	853	808	866	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	128	125
31 McNary	1045	1045	991	930	979	973	1045	981	1009	1026	1026	1050	981	971
32 Merwin	147	146	144	138	139	143	128	114	114	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	251	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	334	446	446	428	440	432	440	440	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103



**Regional: Regulated Hydro**  
**Operating Year 2021 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.2	10.9	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	572	578	565	539	526	553	582	590	602	602	602	571	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	395	365	349	297	398	355	301	226	204	197	199	369	446
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	209	258	224	188	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	61.3	64.6	70.9	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1780	1780	1652	1656	1725	1784	1880	1752	1719	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	102	98.6	90.9	83.3	83.0	0.06	43.8	98.7	102	103	102
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	847	840	836	836	889	844	836	836	836	836	836	849	848	844
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	131	133	126	112	102	94.0	94.0	106	106	0	133	132
<b>Total Regulated Hydro</b>														
58 Federal Entities	16533	16589	15488	15529	16563	16750	16687	17188	16662	15941	15823	16181	16958	17035
59 Investor Owned Utilities	4025	3950	3799	3905	4013	4015	4112	3991	3965	3896	3803	4151	4289	4273
60 Marketer	818	793	737	720	739	767	793	794	786	764	789	779	801	812
61 Municipality	2297	2260	2262	2234	2160	2113	2209	2010	1853	1894	1893	1885	2441	2360
62 Public Utility District	2736	2735	2596	2621	2677	2676	2660	2648	2574	2532	2589	2683	2746	2725
<b>63 Total Regulated Hydro</b>	<b>26410</b>	<b>26327</b>	<b>24882</b>	<b>25010</b>	<b>26152</b>	<b>26321</b>	<b>26462</b>	<b>26631</b>	<b>25840</b>	<b>25025</b>	<b>24896</b>	<b>25679</b>	<b>27235</b>	<b>27205</b>

**Regional: Regulated Hydro**  
**Operating Year 2022 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regulated Hydro</b>														
1 Albeni Falls Hydroelectric	22.4	22.4	19.7	40.1	22.1	21.6	22.4	22.0	22.0	28.5	33.7	38.9	31.4	30.3
2 Alder Hydroelectric	37.1	30.5	0	0	0	4.45	45.0	34.7	32.8	32.6	39.9	46.8	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	913	676
5 Box Canyon Dam	76.9	77.0	76.4	74.5	74.4	75.7	76.3	76.0	76.0	98.7	97.0	89.7	85.7	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	65.3	65.3	65.6	65.8	65.5	65.0	63.8	63.5	4.00	3.00	3.00	65.6	67.1
9 Chief Joseph	2316	2316	2034	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.6	18.8	22.7	25.2	29.8	35.7	33.8
11 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5024	4928	4406	3753	4052	4069	4055	4554	4379	3875	3659	3632	4477	5133
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	195	195	193	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	543	545	672	627	610	672	596	681	662	654	639	674	674	492
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	63.7	64.0	64.0	64.0	64.0	63.3	63.7	63.3	63.3	63.9	63.5	63.4	63.3
23 Libby	374	373	463	518	567	583	502	530	470	416	415	459	463	470
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	793	774	840	807	873	864	856	866	860	848	847	769
26 Long Lake	72.0	72.0	72.1	72.1	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	64.2	57.3	0	0	0	0	63.6	49.7	49.7	-35.4	-37.5	61.1	69.4	71.4
28 Lower Granite	580	665	718	726	740	857	796	856	857	776	867	867	867	778
29 Lower Monumental	645	698	696	705	771	870	878	878	853	808	866	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	128	125
31 McNary	935	935	983	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	144	138	139	143	128	114	114	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	251	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	334	446	446	428	440	432	440	440	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

**Regional: Regulated Hydro**  
**Operating Year 2022 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.2	10.9	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	572	578	565	539	526	553	582	590	602	602	602	571	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	395	365	349	297	398	355	301	226	204	197	199	369	446
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	209	258	224	188	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	61.3	64.6	70.9	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1719	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	102	98.6	90.9	83.3	83.0	0.06	43.8	98.7	102	103	102
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	847	840	836	836	889	844	836	836	836	836	836	849	848	844
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	131	133	126	112	102	94.0	94.0	106	106	0	133	132
<b>Total Regulated Hydro</b>														
58 Federal Entities	16588	16631	16322	15425	16267	16555	16478	17094	16541	15831	15679	16016	16769	16959
59 Investor Owned Utilities	4025	3950	3799	3905	4013	4015	4112	3991	3965	3896	3803	4151	4289	4273
60 Marketer	818	793	737	720	739	767	793	794	786	764	789	779	801	812
61 Municipality	2297	2260	2262	2234	2160	2113	2209	2010	1853	1894	1893	1885	2441	2360
62 Public Utility District	2736	2735	2596	2621	2677	2676	2660	2648	2574	2532	2589	2683	2746	2725
<b>63 Total Regulated Hydro</b>	<b>26465</b>	<b>26369</b>	<b>25715</b>	<b>24905</b>	<b>25857</b>	<b>26126</b>	<b>26253</b>	<b>26537</b>	<b>25720</b>	<b>24916</b>	<b>24752</b>	<b>25514</b>	<b>27046</b>	<b>27130</b>

**Regional: Regulated Hydro**  
**Operating Year 2023 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regulated Hydro</b>														
1 Albeni Falls Hydroelectric	22.4	22.4	19.7	40.1	22.1	21.6	22.4	22.0	22.0	28.5	33.7	38.9	31.4	30.3
2 Alder Hydroelectric	37.1	30.5	0	0	0	4.45	45.0	34.7	32.8	32.6	39.9	46.8	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	824	786	795	
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	913	676
5 Box Canyon Dam	76.9	77.0	76.4	74.5	74.4	75.7	76.3	76.0	76.0	98.7	97.0	89.7	85.7	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	65.3	65.3	65.6	65.8	65.5	65.0	63.8	63.5	4.00	3.00	3.00	65.6	67.1
9 Chief Joseph	2222	2222	1940	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.6	18.8	22.7	25.2	29.8	35.7	33.8
11 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5024	4928	4406	3753	4052	4069	4055	4554	4379	3875	3659	3632	4477	5133
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	293	292	290	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	543	545	672	627	610	672	596	681	662	654	639	674	674	492
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	63.7	64.0	64.0	64.0	64.0	63.3	63.7	63.3	63.3	63.9	63.5	63.4	63.3
23 Libby	374	373	463	518	567	583	502	530	470	416	415	459	463	470
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	793	774	840	807	873	864	856	866	860	848	847	769
26 Long Lake	72.0	72.0	72.1	72.1	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	64.2	57.3	0	0	0	0	63.6	49.7	49.7	-35.4	-37.5	61.1	69.4	71.4
28 Lower Granite	580	665	718	726	740	857	796	856	857	776	867	867	867	778
29 Lower Monumental	645	698	696	705	771	870	878	878	853	808	866	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	128	125
31 McNary	884	884	830	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	144	138	139	143	128	114	114	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	251	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	334	446	446	428	440	432	440	440	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

**Regional: Regulated Hydro**  
**Operating Year 2023 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.2	10.9	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	572	578	565	539	526	553	582	590	602	602	602	571	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	395	365	349	297	398	355	301	226	204	197	199	369	446
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	209	258	224	188	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	61.3	64.6	70.9	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1719	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	102	98.6	90.9	83.3	83.0	0.06	43.8	98.7	102	103	102
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	847	840	836	836	889	844	836	836	836	836	836	849	848	844
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	131	133	126	112	102	94.0	94.0	106	106	0	133	132
<b>Total Regulated Hydro</b>														
58 Federal Entities	16541	16583	16171	15425	16267	16555	16478	17094	16541	15831	15679	16016	16769	16959
59 Investor Owned Utilities	4025	3950	3799	3905	4013	4015	4112	3991	3965	3896	3803	4151	4289	4273
60 Marketer	818	793	737	720	739	767	793	794	786	764	789	779	801	812
61 Municipality	2297	2260	2262	2234	2160	2113	2209	2010	1853	1894	1893	1885	2441	2360
62 Public Utility District	2736	2735	2596	2621	2677	2676	2660	2648	2574	2532	2589	2683	2746	2725
<b>63 Total Regulated Hydro</b>	<b>26418</b>	<b>26322</b>	<b>25564</b>	<b>24905</b>	<b>25857</b>	<b>26126</b>	<b>26253</b>	<b>26537</b>	<b>25720</b>	<b>24916</b>	<b>24752</b>	<b>25514</b>	<b>27046</b>	<b>27130</b>

**Regional: Regulated Hydro**  
**Operating Year 2024 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regulated Hydro</b>														
1 Albeni Falls Hydroelectric	22.4	22.4	19.7	40.1	22.1	21.6	22.4	22.0	22.0	28.5	33.7	38.9	31.4	30.3
2 Alder Hydroelectric	37.1	30.5	0	0	0	4.45	45.0	34.7	32.8	32.6	39.9	46.8	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	824	786	795	
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	913	676
5 Box Canyon Dam	76.9	77.0	76.4	74.5	74.4	75.7	76.3	76.0	76.0	98.7	97.0	89.7	85.7	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	65.3	65.3	65.6	65.8	65.5	65.0	63.8	63.5	4.00	3.00	3.00	65.6	67.1
9 Chief Joseph	2222	2222	1940	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.6	18.8	22.7	25.2	29.8	35.7	33.8
11 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5024	4928	4406	3753	4052	4069	4055	4554	4379	3875	3659	3632	4477	5133
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	293	292	290	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	543	545	672	627	610	672	596	681	662	654	639	674	674	492
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	63.7	64.0	64.0	64.0	64.0	63.3	63.7	63.3	63.3	63.9	63.5	63.4	63.3
23 Libby	374	373	463	518	567	583	502	530	470	416	415	459	463	470
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	793	774	840	807	873	864	856	866	860	848	847	769
26 Long Lake	72.0	72.0	72.1	72.1	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	64.2	57.3	0	0	0	0	63.6	49.7	49.7	-35.4	-37.5	61.1	69.4	71.4
28 Lower Granite	580	665	718	726	740	857	796	856	857	776	867	867	867	778
29 Lower Monumental	645	698	696	705	771	870	878	878	853	808	866	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	128	125
31 McNary	884	884	830	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	144	138	139	143	128	114	114	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	251	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	334	446	446	428	440	432	440	440	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

**Regional: Regulated Hydro**  
**Operating Year 2024 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.2	10.9	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	572	578	565	539	526	553	582	590	602	602	602	571	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	395	365	349	297	398	355	301	226	204	197	199	369	446
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	209	258	224	188	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	61.3	64.6	70.9	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1719	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	102	98.6	90.9	83.3	83.0	0.06	43.8	98.7	102	103	102
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	847	840	836	836	889	844	836	836	836	836	836	849	848	844
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	131	133	126	112	102	94.0	94.0	106	106	0	133	132
<b>Total Regulated Hydro</b>														
58 Federal Entities	16541	16583	16171	15425	16267	16555	16478	17094	16541	15831	15679	16016	16769	16959
59 Investor Owned Utilities	4025	3950	3799	3905	4013	4015	4112	3991	3965	3896	3803	4151	4289	4273
60 Marketer	818	793	737	720	739	767	793	794	786	764	789	779	801	812
61 Municipality	2297	2260	2262	2234	2160	2113	2209	2010	1853	1894	1893	1885	2441	2360
62 Public Utility District	2736	2735	2596	2621	2677	2676	2660	2648	2574	2532	2589	2683	2746	2725
<b>63 Total Regulated Hydro</b>	<b>26418</b>	<b>26322</b>	<b>25564</b>	<b>24905</b>	<b>25857</b>	<b>26126</b>	<b>26253</b>	<b>26537</b>	<b>25720</b>	<b>24916</b>	<b>24752</b>	<b>25514</b>	<b>27046</b>	<b>27130</b>

**Regional: Regulated Hydro**  
**Operating Year 2025 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regulated Hydro</b>														
1 Albeni Falls Hydroelectric	22.4	22.4	19.7	40.1	22.1	21.6	22.4	22.0	22.0	28.5	33.7	38.9	31.4	30.3
2 Alder Hydroelectric	37.1	30.5	0	0	0	4.45	45.0	34.7	32.8	32.6	39.9	46.8	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	824	786	795	
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	913	676
5 Box Canyon Dam	76.9	77.0	76.4	74.5	74.4	75.7	76.3	76.0	76.0	98.7	97.0	89.7	85.7	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	65.3	65.3	65.6	65.8	65.5	65.0	63.8	63.5	4.00	3.00	3.00	65.6	67.1
9 Chief Joseph	2222	2222	1940	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.6	18.8	22.7	25.2	29.8	35.7	33.8
11 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5024	4928	4406	3753	4052	4069	4055	4554	4379	3875	3659	3632	4477	5133
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	293	292	290	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	543	545	672	627	610	672	596	681	662	654	639	674	674	492
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	63.7	64.0	64.0	64.0	64.0	63.3	63.7	63.3	63.3	63.9	63.5	63.4	63.3
23 Libby	374	373	463	518	567	583	502	530	470	416	415	459	463	470
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	793	774	840	807	873	864	856	866	860	848	847	769
26 Long Lake	72.0	72.0	72.1	72.1	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	64.2	57.3	0	0	0	0	63.6	49.7	49.7	-35.4	-37.5	61.1	69.4	71.4
28 Lower Granite	580	665	718	726	740	857	796	856	857	776	867	867	867	778
29 Lower Monumental	645	698	696	705	771	870	878	878	853	808	866	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	128	125
31 McNary	884	884	830	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	144	138	139	143	128	114	114	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	251	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	334	446	446	428	440	432	440	440	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103



**Regional: Regulated Hydro**  
**Operating Year 2025 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.2	10.9	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	572	578	565	539	526	553	582	590	602	602	602	571	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	395	365	349	297	398	355	301	226	204	197	199	369	446
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	209	258	224	188	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	61.3	64.6	70.9	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1719	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	102	98.6	90.9	83.3	83.0	0.06	43.8	98.7	102	103	102
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	847	840	836	836	889	844	836	836	836	836	836	849	848	844
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	131	133	126	112	102	94.0	94.0	106	106	0	133	132
<b>Total Regulated Hydro</b>														
58 Federal Entities	16541	16583	16171	15425	16267	16555	16478	17094	16541	15831	15679	16016	16769	16959
59 Investor Owned Utilities	4025	3950	3799	3905	4013	4015	4112	3991	3965	3896	3803	4151	4289	4273
60 Marketer	818	793	737	720	739	767	793	794	786	764	789	779	801	812
61 Municipality	2297	2260	2262	2234	2160	2113	2209	2010	1853	1894	1893	1885	2441	2360
62 Public Utility District	2736	2735	2596	2621	2677	2676	2660	2648	2574	2532	2589	2683	2746	2725
<b>63 Total Regulated Hydro</b>	<b>26418</b>	<b>26322</b>	<b>25564</b>	<b>24905</b>	<b>25857</b>	<b>26126</b>	<b>26253</b>	<b>26537</b>	<b>25720</b>	<b>24916</b>	<b>24752</b>	<b>25514</b>	<b>27046</b>	<b>27130</b>

**Regional: Regulated Hydro**  
**Operating Year 2026 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regulated Hydro</b>														
1 Albeni Falls Hydroelectric	22.4	22.4	19.7	40.1	22.1	21.6	22.4	22.0	22.0	28.5	33.7	38.9	31.4	30.3
2 Alder Hydroelectric	37.1	30.5	0	0	0	4.45	45.0	34.7	32.8	32.6	39.9	46.8	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	824	786	795	
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	913	676
5 Box Canyon Dam	76.9	77.0	76.4	74.5	74.4	75.7	76.3	76.0	76.0	98.7	97.0	89.7	85.7	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	65.3	65.3	65.6	65.8	65.5	65.0	63.8	63.5	4.00	3.00	3.00	65.6	67.1
9 Chief Joseph	2222	2222	1940	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.6	18.8	22.7	25.2	29.8	35.7	33.8
11 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5024	4928	4406	3753	4052	4069	4055	4554	4379	3875	3659	3632	4477	5133
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	293	292	290	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	543	545	672	627	610	672	596	681	662	654	639	674	674	492
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	63.7	64.0	64.0	64.0	64.0	63.3	63.7	63.3	63.3	63.9	63.5	63.4	63.3
23 Libby	374	373	463	518	567	583	502	530	470	416	415	459	463	470
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	793	774	840	807	873	864	856	866	860	848	847	769
26 Long Lake	72.0	72.0	72.1	72.1	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	64.2	57.3	0	0	0	0	63.6	49.7	49.7	-35.4	-37.5	61.1	69.4	71.4
28 Lower Granite	580	665	718	726	740	857	796	856	857	776	867	867	867	778
29 Lower Monumental	645	698	696	705	771	870	878	878	853	808	866	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	128	125
31 McNary	884	884	830	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	144	138	139	143	128	114	114	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	251	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	334	446	446	428	440	432	440	440	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

**Regional: Regulated Hydro**  
**Operating Year 2026 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.2	10.9	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	572	578	565	539	526	553	582	590	602	602	602	571	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	395	365	349	297	398	355	301	226	204	197	199	369	446
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	209	258	224	188	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	61.3	64.6	70.9	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1719	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	102	98.6	90.9	83.3	83.0	0.06	43.8	98.7	102	103	102
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	847	840	836	836	889	844	836	836	836	836	836	849	848	844
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	131	133	126	112	102	94.0	94.0	106	106	0	133	132
<b>Total Regulated Hydro</b>														
58 Federal Entities	16541	16583	16171	15425	16267	16555	16478	17094	16541	15831	15679	16016	16769	16959
59 Investor Owned Utilities	4025	3950	3799	3905	4013	4015	4112	3991	3965	3896	3803	4151	4289	4273
60 Marketer	818	793	737	720	739	767	793	794	786	764	789	779	801	812
61 Municipality	2297	2260	2262	2234	2160	2113	2209	2010	1853	1894	1893	1885	2441	2360
62 Public Utility District	2736	2735	2596	2621	2677	2676	2660	2648	2574	2532	2589	2683	2746	2725
<b>63 Total Regulated Hydro</b>	<b>26418</b>	<b>26322</b>	<b>25564</b>	<b>24905</b>	<b>25857</b>	<b>26126</b>	<b>26253</b>	<b>26537</b>	<b>25720</b>	<b>24916</b>	<b>24752</b>	<b>25514</b>	<b>27046</b>	<b>27130</b>

**Regional: Regulated Hydro**  
**Operating Year 2027 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regulated Hydro</b>														
1 Albeni Falls Hydroelectric	22.4	22.4	19.7	40.1	22.1	21.6	22.4	22.0	22.0	28.5	33.7	38.9	31.4	30.3
2 Alder Hydroelectric	37.1	30.5	0	0	0	4.45	45.0	34.7	32.8	32.6	39.9	46.8	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	824	786	795	
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	913	676
5 Box Canyon Dam	76.9	77.0	76.4	74.5	74.4	75.7	76.3	76.0	76.0	98.7	97.0	89.7	85.7	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	65.3	65.3	65.6	65.8	65.5	65.0	63.8	63.5	4.00	3.00	3.00	65.6	67.1
9 Chief Joseph	2222	2222	1940	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.6	18.8	22.7	25.2	29.8	35.7	33.8
11 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5024	4928	4406	3753	4052	4069	4055	4554	4379	3875	3659	3632	4477	5133
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	293	292	290	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	543	545	672	627	610	672	596	681	662	654	639	674	674	492
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	63.7	64.0	64.0	64.0	64.0	63.3	63.7	63.3	63.3	63.9	63.5	63.4	63.3
23 Libby	374	373	463	518	567	583	502	530	470	416	415	459	463	470
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	793	774	840	807	873	864	856	866	860	848	847	769
26 Long Lake	72.0	72.0	72.1	72.1	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	64.2	57.3	0	0	0	0	63.6	49.7	49.7	-35.4	-37.5	61.1	69.4	71.4
28 Lower Granite	580	665	718	726	740	857	796	856	857	776	867	867	867	778
29 Lower Monumental	645	698	696	705	771	870	878	878	853	808	866	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	128	125
31 McNary	884	884	830	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	144	138	139	143	128	114	114	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	251	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	334	446	446	428	440	432	440	440	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

**Regional: Regulated Hydro**  
**Operating Year 2027 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.2	10.9	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	572	578	565	539	526	553	582	590	602	602	602	571	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	395	365	349	297	398	355	301	226	204	197	199	369	446
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	209	258	224	188	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	61.3	64.6	70.9	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1719	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	102	98.6	90.9	83.3	83.0	0.06	43.8	98.7	102	103	102
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	847	840	836	836	889	844	836	836	836	836	836	849	848	844
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	131	133	126	112	102	94.0	94.0	106	106	0	133	132
<b>Total Regulated Hydro</b>														
58 Federal Entities	16541	16583	16171	15425	16267	16555	16478	17094	16541	15831	15679	16016	16769	16959
59 Investor Owned Utilities	4025	3950	3799	3905	4013	4015	4112	3991	3965	3896	3803	4151	4289	4273
60 Marketer	818	793	737	720	739	767	793	794	786	764	789	779	801	812
61 Municipality	2297	2260	2262	2234	2160	2113	2209	2010	1853	1894	1893	1885	2441	2360
62 Public Utility District	2736	2735	2596	2621	2677	2676	2660	2648	2574	2532	2589	2683	2746	2725
<b>63 Total Regulated Hydro</b>	<b>26418</b>	<b>26322</b>	<b>25564</b>	<b>24905</b>	<b>25857</b>	<b>26126</b>	<b>26253</b>	<b>26537</b>	<b>25720</b>	<b>24916</b>	<b>24752</b>	<b>25514</b>	<b>27046</b>	<b>27130</b>

**Regional: Regulated Hydro**  
**Operating Year 2028 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Regulated Hydro</b>														
1 Albeni Falls Hydroelectric	22.4	22.4	19.7	40.1	22.1	21.6	22.4	22.0	22.0	28.5	33.7	38.9	31.4	30.3
2 Alder Hydroelectric	37.1	30.5	0	0	0	4.45	45.0	34.7	32.8	32.6	39.9	46.8	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	824	786	795	
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	913	676
5 Box Canyon Dam	76.9	77.0	76.4	74.5	74.4	75.7	76.3	76.0	76.0	98.7	97.0	89.7	85.7	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	65.3	65.3	65.6	65.8	65.5	65.0	63.8	63.5	4.00	3.00	3.00	65.6	67.1
9 Chief Joseph	2222	2222	1940	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.6	18.8	22.7	25.2	29.8	35.7	33.8
11 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5024	4928	4406	3753	4052	4069	4055	4554	4379	3875	3659	3632	4477	5133
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	293	292	290	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	543	545	672	627	610	672	596	681	662	654	639	674	674	492
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	63.7	64.0	64.0	64.0	64.0	63.3	63.7	63.3	63.3	63.9	63.5	63.4	63.3
23 Libby	374	373	463	518	567	583	502	530	470	416	415	459	463	470
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	793	774	840	807	873	864	856	866	860	848	847	769
26 Long Lake	72.0	72.0	72.1	72.1	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	64.2	57.3	0	0	0	0	63.6	49.7	49.7	-35.4	-37.5	61.1	69.4	71.4
28 Lower Granite	580	665	718	726	740	857	796	856	857	776	867	867	867	778
29 Lower Monumental	645	698	696	705	771	870	878	878	853	808	866	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	128	125
31 McNary	884	884	830	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	144	138	139	143	128	114	114	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	251	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	334	446	446	428	440	432	440	440	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

**Regional: Regulated Hydro**  
**Operating Year 2028 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.2	10.9	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	572	578	565	539	526	553	582	590	602	602	602	571	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	395	365	349	297	398	355	301	226	204	197	199	369	446
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	209	258	224	188	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	61.3	64.6	70.9	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1719	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	102	98.6	90.9	83.3	83.0	0.06	43.8	98.7	102	103	102
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	847	840	836	836	889	844	836	836	836	836	836	849	848	844
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	131	133	126	112	102	94.0	94.0	106	106	0	133	132
<b>Total Regulated Hydro</b>														
58 Federal Entities	16541	16583	16171	15425	16267	16555	16478	17094	16541	15831	15679	16016	16769	16959
59 Investor Owned Utilities	4025	3950	3799	3905	4013	4015	4112	3991	3965	3896	3803	4151	4289	4273
60 Marketer	818	793	737	720	739	767	793	794	786	764	789	779	801	812
61 Municipality	2297	2260	2262	2234	2160	2113	2209	2010	1853	1894	1893	1885	2441	2360
62 Public Utility District	2736	2735	2596	2621	2677	2676	2660	2648	2574	2532	2589	2683	2746	2725
<b>63 Total Regulated Hydro</b>	<b>26418</b>	<b>26322</b>	<b>25564</b>	<b>24905</b>	<b>25857</b>	<b>26126</b>	<b>26253</b>	<b>26537</b>	<b>25720</b>	<b>24916</b>	<b>24752</b>	<b>25514</b>	<b>27046</b>	<b>27130</b>

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***Exhibit 23  
Regional Independent Hydro***

***Monthly 1-Hour Capacity  
Operating Year 2019 to 2028  
Using 1937-Water Conditions***

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**Regional: Independent Hydro**  
**Operating Year 2019 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
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
4 Ashton	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
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
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
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
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
9 Bliss	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
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
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
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
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
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
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
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
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
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
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
20 Detroit	115	115	115	115	115	115	114	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
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
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
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
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
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
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
30 Hellroaring	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
31 Henry M Jackson	112	112	112	112	112	112	112	112	112	112	112	112	112	112
32 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
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
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
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
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
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
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
39 John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	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

**Regional: Independent Hydro**  
**Operating Year 2019 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
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
43 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
44 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
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
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
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
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
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
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
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
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	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
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
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
57 Paris	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
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
59 Rogue	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
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
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
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
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
64 Soda Creek 4	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
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
66 Soda Point	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

**Regional: Independent Hydro**  
**Operating Year 2019 Water Year: 1937**  
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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 Wynnocchee 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
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
<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
85 Federal Entities	570	560	520	471	417	330	114	225	386	613	629	815	840	604
86 Investor Owned Utilities	778	774	786	829	803	842	806	832	844	894	900	874	876	792
87 Marketer	0	0	0	0	0	0	0	0	0	11.3	11.3	35.7	27.7	3.85
88 Municipality	163	157	169	159	160	183	186	195	198	182	184	182	204	177
89 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
<b>90 Total Independent Hydro</b>	<b>1666</b>	<b>1658</b>	<b>1614</b>	<b>1595</b>	<b>1514</b>	<b>1492</b>	<b>1239</b>	<b>1289</b>	<b>1567</b>	<b>1847</b>	<b>1871</b>	<b>2080</b>	<b>2142</b>	<b>1750</b>

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**Regional: Independent Hydro**  
**Operating Year 2020 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
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
4 Ashton	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
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
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
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
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
9 Bliss	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
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
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
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
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
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
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
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
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
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
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
20 Detroit	115	115	115	115	115	115	114	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
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
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
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
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
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
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
30 Hellroaring	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
31 Henry M Jackson	112	112	112	112	112	112	112	112	112	112	112	112	112	112
32 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
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
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
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
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
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
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
39 John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	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

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
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
43 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
44 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
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
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
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
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
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
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
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
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	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
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
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
57 Paris	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
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
59 Rogue	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
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
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
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
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
64 Soda Creek 4	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
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
66 Soda Point	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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



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S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 Wynnocchee 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
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
<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
85 Federal Entities	570	560	520	471	417	330	114	225	386	613	629	815	840	604
86 Investor Owned Utilities	778	774	786	829	803	842	806	832	844	894	900	874	876	792
87 Marketer	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
88 Municipality	163	157	168	157	158	183	186	194	197	182	184	182	204	177
89 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
<b>90 Total Independent Hydro</b>	<b>1666</b>	<b>1658</b>	<b>1614</b>	<b>1595</b>	<b>1514</b>	<b>1492</b>	<b>1239</b>	<b>1289</b>	<b>1567</b>	<b>1847</b>	<b>1871</b>	<b>2080</b>	<b>2142</b>	<b>1750</b>

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**Regional: Independent Hydro**  
**Operating Year 2021 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
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
4 Ashton	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
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
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
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
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
9 Bliss	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
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
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
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
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
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
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
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
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
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
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
20 Detroit	115	115	115	115	115	115	114	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
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
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
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
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
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
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
30 Hellroaring	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
31 Henry M Jackson	112	112	112	112	112	112	112	112	112	112	112	112	112	112
32 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
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
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
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
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
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
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
39 John Boyle	0	0	9.28	80.0	80.0	80.0	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

**Regional: Independent Hydro**  
**Operating Year 2021 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
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
43 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
44 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
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
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
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
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
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
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
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
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	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
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
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
57 Paris	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
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
59 Rogue	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
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
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
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
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
64 Soda Creek 4	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
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
66 Soda Point	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

**Regional: Independent Hydro**  
**Operating Year 2021 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 Wynnocchee 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
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
<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
85 Federal Entities	570	560	520	471	417	330	114	225	386	613	629	815	840	604
86 Investor Owned Utilities	778	774	786	829	803	842	726	752	764	814	820	794	796	792
87 Marketer	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
88 Municipality	163	157	168	157	158	183	186	194	197	182	184	182	204	177
89 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
<b>90 Total Independent Hydro</b>	<b>1666</b>	<b>1658</b>	<b>1614</b>	<b>1595</b>	<b>1514</b>	<b>1492</b>	<b>1159</b>	<b>1209</b>	<b>1487</b>	<b>1767</b>	<b>1791</b>	<b>2000</b>	<b>2062</b>	<b>1750</b>

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**Regional: Independent Hydro**  
**Operating Year 2022 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
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
4 Ashton	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
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
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
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
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
9 Bliss	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
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
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
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
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
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
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
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
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
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
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
20 Detroit	115	115	115	115	115	115	114	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
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
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
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
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
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
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
30 Hellroaring	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
31 Henry M Jackson	112	112	112	112	112	112	112	112	112	112	112	112	112	112
32 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
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
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
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
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
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
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
39 John Boyle	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

**Regional: Independent Hydro**  
**Operating Year 2022 Water Year: 1937**  
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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
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
43 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
44 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
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
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
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
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
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
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
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
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	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
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
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
57 Paris	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
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
59 Rogue	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
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
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
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
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
64 Soda Creek 4	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
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
66 Soda Point	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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



**Regional: Independent Hydro**  
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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 Wynnocchee 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
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
<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
85 Federal Entities	570	560	520	471	417	330	114	225	386	613	629	815	840	604
86 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
87 Marketer	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
88 Municipality	163	157	168	157	158	183	186	194	197	182	184	182	204	177
89 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
<b>90 Total Independent Hydro</b>	<b>1666</b>	<b>1658</b>	<b>1605</b>	<b>1515</b>	<b>1434</b>	<b>1412</b>	<b>1159</b>	<b>1209</b>	<b>1487</b>	<b>1767</b>	<b>1791</b>	<b>2000</b>	<b>2062</b>	<b>1750</b>

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**Regional: Independent Hydro**  
**Operating Year 2023 Water Year: 1937**  
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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
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
4 Ashton	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
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
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
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
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
9 Bliss	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
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
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
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
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
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
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
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
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
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
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
20 Detroit	115	115	115	115	115	115	114	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
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
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
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
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
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
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
30 Hellroaring	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
31 Henry M Jackson	112	112	112	112	112	112	112	112	112	112	112	112	112	112
32 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
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
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
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
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
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
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
39 John Boyle	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

**Regional: Independent Hydro**  
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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
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
43 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
44 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
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
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
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
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
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
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
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
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	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
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
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
57 Paris	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
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
59 Rogue	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
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
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
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
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
64 Soda Creek 4	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
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
66 Soda Point	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

**Regional: Independent Hydro**  
**Operating Year 2023 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 Wynnocchee 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
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
<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
85 Federal Entities	570	560	520	471	417	330	114	225	386	613	629	815	840	604
86 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
87 Marketer	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
88 Municipality	163	157	168	157	158	183	186	194	197	182	184	182	204	177
89 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
<b>90 Total Independent Hydro</b>	<b>1666</b>	<b>1658</b>	<b>1605</b>	<b>1515</b>	<b>1434</b>	<b>1412</b>	<b>1159</b>	<b>1209</b>	<b>1487</b>	<b>1767</b>	<b>1791</b>	<b>2000</b>	<b>2062</b>	<b>1750</b>

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**Regional: Independent Hydro**  
**Operating Year 2024 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
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
4 Ashton	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
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
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
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
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
9 Bliss	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
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
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
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
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
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
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
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
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
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
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
20 Detroit	115	115	115	115	115	115	114	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
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
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
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
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
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
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
30 Hellroaring	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
31 Henry M Jackson	112	112	112	112	112	112	112	112	112	112	112	112	112	112
32 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
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
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
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
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
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
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
39 John Boyle	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

**Regional: Independent Hydro**  
**Operating Year 2024 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
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
43 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
44 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
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
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
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
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
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
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
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
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	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
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
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
57 Paris	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
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
59 Rogue	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
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
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
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
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
64 Soda Creek 4	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
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
66 Soda Point	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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



**Regional: Independent Hydro**  
**Operating Year 2024 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 Wynnochee 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
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
<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
85 Federal Entities	570	560	520	471	417	330	114	225	386	613	629	815	840	604
86 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
87 Marketer	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
88 Municipality	163	157	168	157	158	183	186	194	197	182	184	182	204	177
89 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
<b>90 Total Independent Hydro</b>	<b>1666</b>	<b>1658</b>	<b>1605</b>	<b>1515</b>	<b>1434</b>	<b>1412</b>	<b>1159</b>	<b>1209</b>	<b>1487</b>	<b>1767</b>	<b>1791</b>	<b>2000</b>	<b>2062</b>	<b>1750</b>

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**Regional: Independent Hydro**  
**Operating Year 2025 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
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
4 Ashton	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
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
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
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
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
9 Bliss	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
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
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
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
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
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
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
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
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
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
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
20 Detroit	115	115	115	115	115	115	114	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
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
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
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
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
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
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
30 Hellroaring	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
31 Henry M Jackson	112	112	112	112	112	112	112	112	112	112	112	112	112	112
32 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
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
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
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
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
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
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
39 John Boyle	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

**Regional: Independent Hydro**  
**Operating Year 2025 Water Year: 1937**  
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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
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
43 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
44 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
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
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
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
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
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
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
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
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	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
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
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
57 Paris	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
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
59 Rogue	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
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
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
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
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
64 Soda Creek 4	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
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
66 Soda Point	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

**Regional: Independent Hydro**  
**Operating Year 2025 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 Wynnocchee 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
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
<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
85 Federal Entities	570	560	520	471	417	330	114	225	386	613	629	815	840	604
86 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
87 Marketer	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
88 Municipality	163	157	168	157	158	183	186	194	197	182	184	182	204	177
89 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
<b>90 Total Independent Hydro</b>	<b>1666</b>	<b>1658</b>	<b>1605</b>	<b>1515</b>	<b>1434</b>	<b>1412</b>	<b>1159</b>	<b>1209</b>	<b>1487</b>	<b>1767</b>	<b>1791</b>	<b>2000</b>	<b>2062</b>	<b>1750</b>

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**Regional: Independent Hydro**  
**Operating Year 2026 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
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
4 Ashton	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
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
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
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
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
9 Bliss	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
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
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
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
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
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
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
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
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
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
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
20 Detroit	115	115	115	115	115	115	114	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
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
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
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
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
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
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
30 Hellroaring	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
31 Henry M Jackson	112	112	112	112	112	112	112	112	112	112	112	112	112	112
32 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
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
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
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
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
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
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
39 John Boyle	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

**Regional: Independent Hydro**  
**Operating Year 2026 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
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
43 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
44 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
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
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
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
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
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
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
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
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	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
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
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
57 Paris	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
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
59 Rogue	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
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
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
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
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
64 Soda Creek 4	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
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
66 Soda Point	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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



**Regional: Independent Hydro**  
**Operating Year 2026 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 Continued**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 Wynnochee 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
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
<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
85 Federal Entities	570	560	520	471	417	330	114	225	386	613	629	815	840	604
86 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
87 Marketer	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
88 Municipality	163	157	168	157	158	183	186	194	197	182	184	182	204	177
89 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
<b>90 Total Independent Hydro</b>	<b>1666</b>	<b>1658</b>	<b>1605</b>	<b>1515</b>	<b>1434</b>	<b>1412</b>	<b>1159</b>	<b>1209</b>	<b>1487</b>	<b>1767</b>	<b>1791</b>	<b>2000</b>	<b>2062</b>	<b>1750</b>

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**Regional: Independent Hydro**  
**Operating Year 2027 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
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
4 Ashton	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
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
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
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
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
9 Bliss	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
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
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
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
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
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
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
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
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
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
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
20 Detroit	115	115	115	115	115	115	114	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
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
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
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
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
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
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
30 Hellroaring	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
31 Henry M Jackson	112	112	112	112	112	112	112	112	112	112	112	112	112	112
32 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
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
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
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
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
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
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
39 John Boyle	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

**Regional: Independent Hydro**  
**Operating Year 2027 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
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
43 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
44 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
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
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
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
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
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
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
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
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	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
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
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
57 Paris	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
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
59 Rogue	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
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
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
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
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
64 Soda Creek 4	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
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
66 Soda Point	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

**Regional: Independent Hydro**  
**Operating Year 2027 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 Wynnochee 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
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
<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
85 Federal Entities	570	560	520	471	417	330	114	225	386	613	629	815	840	604
86 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
87 Marketer	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
88 Municipality	163	157	168	157	158	183	186	194	197	182	184	182	204	177
89 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
<b>90 Total Independent Hydro</b>	<b>1666</b>	<b>1658</b>	<b>1605</b>	<b>1515</b>	<b>1434</b>	<b>1412</b>	<b>1159</b>	<b>1209</b>	<b>1487</b>	<b>1767</b>	<b>1791</b>	<b>2000</b>	<b>2062</b>	<b>1750</b>

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**Regional: Independent Hydro**  
**Operating Year 2028 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
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
4 Ashton	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
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
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
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
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
9 Bliss	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
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
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
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
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
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
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
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
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
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
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
20 Detroit	115	115	115	115	115	115	114	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
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
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
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
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
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
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
30 Hellroaring	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
31 Henry M Jackson	112	112	112	112	112	112	112	112	112	112	112	112	112	112
32 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
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
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
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
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
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
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
39 John Boyle	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

**Regional: Independent Hydro**  
**Operating Year 2028 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

S149-WB-20171215-145200

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
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
43 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
44 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
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
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
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
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
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
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
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
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	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
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
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
57 Paris	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
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
59 Rogue	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
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
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
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
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
64 Soda Creek 4	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
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
66 Soda Point	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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



**Regional: Independent Hydro**  
**Operating Year 2028 Water Year: 1937**  
**2017 White Book Report Date: 6/1/2017 *Continued***

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 Wynnocchee 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
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
<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
85 Federal Entities	570	560	520	471	417	330	114	225	386	613	629	815	840	604
86 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
87 Marketer	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
88 Municipality	163	157	168	157	158	183	186	194	197	182	184	182	204	177
89 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
<b>90 Total Independent Hydro</b>	<b>1666</b>	<b>1658</b>	<b>1605</b>	<b>1515</b>	<b>1434</b>	<b>1412</b>	<b>1159</b>	<b>1209</b>	<b>1487</b>	<b>1767</b>	<b>1791</b>	<b>2000</b>	<b>2062</b>	<b>1750</b>

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***Exhibit 24***  
***Federal Report Surplus Deficit By Water Year***  
***80 Water Year Federal Surplus/Deficit***

***Monthly 1-Hour Capacity***  
***Operating Year 2019 to 2028***  
***Using 1937-Water Conditions***

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**Federal Report Surplus Deficit By Water Year**

**Operating Year 2019**

**2017 White Book Report Date: 6/1/2017**

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	3702	3747	1126	624	1362	1614	1045	798	2683	1047	2899	4552	3919	1475
2 1930 Federal Report Surplus Deficit	3028	2448	1595	793	1533	1710	155	1257	2525	2061	3651	3997	1529	3791
3 1931 Federal Report Surplus Deficit	3435	2626	1313	670	1516	1749	609	-151	2201	1733	395	4856	2014	3626
4 1932 Federal Report Surplus Deficit	3353	2692	1140	468	1021	1672	-115	-213	3896	4898	4644	5663	4958	4435
5 1933 Federal Report Surplus Deficit	3629	3580	1970	594	923	2667	3040	3681	3942	3333	3671	5467	5454	4771
6 1934 Federal Report Surplus Deficit	3786	3961	1752	1856	3363	3937	3702	4168	4014	4722	4634	5392	4444	3995
7 1935 Federal Report Surplus Deficit	2549	2234	1145	506	827	1666	2876	3333	4085	1895	3814	5307	4345	4569
8 1936 Federal Report Surplus Deficit	3922	2894	1113	652	1319	1387	172	790	2811	2116	4474	5679	4835	3986
9 1937 Federal Report Surplus Deficit	3237	2518	1361	629	1652	1600	-227	377	2474	1402	1566	5019	3514	1799
10 1938 Federal Report Surplus Deficit	3144	2279	1329	657	1342	2287	2647	3346	4130	4675	4887	5606	4675	4501
11 1939 Federal Report Surplus Deficit	2595	2196	1684	529	1235	1610	1922	1740	3419	3257	4417	5457	3328	3826
12 1940 Federal Report Surplus Deficit	3144	2408	1540	649	1717	1775	1926	1651	4453	3466	4080	5373	3163	3590
13 1941 Federal Report Surplus Deficit	2571	1858	1271	301	1335	2079	911	1002	2768	1116	2387	4952	3249	3496
14 1942 Federal Report Surplus Deficit	3259	2549	1525	261	2143	2641	2861	2759	3907	2207	3823	5192	4405	4485
15 1943 Federal Report Surplus Deficit	3570	3249	2107	601	880	1939	3222	3660	4240	5054	4908	5472	5319	4733
16 1944 Federal Report Surplus Deficit	3825	3236	1261	383	1407	1611	1080	1195	2352	907	2531	3696	1459	2445
17 1945 Federal Report Surplus Deficit	3290	2202	1179	447	1397	1595	491	756	2452	1129	-600	5551	4747	2211
18 1946 Federal Report Surplus Deficit	3016	2450	1360	405	1452	2200	2504	2772	4188	4878	4882	5551	4704	4631
19 1947 Federal Report Surplus Deficit	3775	3528	1752	416	1504	3739	3627	4049	4136	4230	4152	5605	4717	4492
20 1948 Federal Report Surplus Deficit	3612	3176	1522	3684	3091	3113	3593	3550	4236	3624	4603	5802	5282	4660
21 1949 Federal Report Surplus Deficit	3780	4035	2106	1191	1218	2320	2391	2486	4255	4365	4749	5698	4737	2942
22 1950 Federal Report Surplus Deficit	2456	1731	1262	322	1190	1909	3483	3925	4122	5041	4597	5584	5336	5138
23 1951 Federal Report Surplus Deficit	3805	4039	1986	2138	3401	3821	3684	4383	4131	4967	4710	5564	4774	4670
24 1952 Federal Report Surplus Deficit	3931	3223	1580	3286	2258	3154	3434	4009	4278	5049	4944	5850	4836	4576
25 1953 Federal Report Surplus Deficit	3560	2823	1093	563	1112	1448	2071	3462	4132	2263	3511	5528	5477	4832
26 1954 Federal Report Surplus Deficit	3790	3463	1675	1095	1507	2781	3405	4228	4113	3880	4245	5616	5005	5103
27 1955 Federal Report Surplus Deficit	3805	4157	3839	1277	2472	2682	1869	1969	2560	1724	3293	5426	5366	4970
28 1956 Federal Report Surplus Deficit	3772	3762	1493	1506	2992	3766	3774	4374	3992	4785	4712	5790	5272	4711
29 1957 Federal Report Surplus Deficit	3800	3898	1677	1444	1211	2885	2569	2458	4405	4844	4100	5748	5309	4425
30 1958 Federal Report Surplus Deficit	3450	3004	1581	409	1472	1767	2915	3330	4231	3405	4471	5622	5053	4226
31 1959 Federal Report Surplus Deficit	3609	2757	1271	894	2276	3546	3753	4224	4188	4529	4176	5362	4969	4774
32 1960 Federal Report Surplus Deficit	3903	4162	3993	3998	3376	3373	2965	3254	4409	5023	4592	5382	4889	4566
33 1961 Federal Report Surplus Deficit	3793	2803	1270	1028	1359	2454	2880	3877	4315	4043	3919	5540	5059	4289
34 1962 Federal Report Surplus Deficit	3586	3020	1335	192	1363	2230	2764	3189	3273	4930	4737	5561	4601	4408
35 1963 Federal Report Surplus Deficit	3560	3318	1179	1855	2455	3405	3088	3445	3974	2182	3516	5513	4646	4451
36 1964 Federal Report Surplus Deficit	3524	2998	1864	344	1153	2430	1989	2161	3359	4266	3531	5531	5388	4884
37 1965 Federal Report Surplus Deficit	3788	3945	2433	2195	2049	3825	3774	4383	3885	3552	4803	5591	4706	4565
38 1966 Federal Report Surplus Deficit	3826	3958	1210	1322	1346	2543	2499	2741	3569	4892	4083	5072	4501	4562

**Federal Report Surplus Deficit By Water Year**

**Operating Year 2019**

**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	3862	2856	1346	363	1152	2784	3599	4053	3955	3173	1606	5366	5206	4724
40 1968 Federal Report Surplus Deficit	3873	3772	1741	1098	1734	2534	3328	3770	4260	1721	3081	4919	4784	4591
41 1969 Federal Report Surplus Deficit	3865	3541	2932	2294	3101	3148	3735	4102	3848	4884	4726	5766	4950	4576
42 1970 Federal Report Surplus Deficit	3478	2933	1529	1160	1566	1971	2831	3046	4068	2536	3388	5428	5168	3811
43 1971 Federal Report Surplus Deficit	3432	2686	1303	344	1258	2298	3722	4146	4261	5015	4597	5746	5337	4871
44 1972 Federal Report Surplus Deficit	3807	4150	1978	1502	1363	2813	3664	4078	4027	4967	4380	5716	5200	4855
45 1973 Federal Report Surplus Deficit	3819	4181	2080	1386	1472	2580	2722	1944	3083	590	2557	5094	2587	3459
46 1974 Federal Report Surplus Deficit	3037	2166	1206	499	1113	3067	3765	4104	3920	4735	4625	5639	5284	5212
47 1975 Federal Report Surplus Deficit	3781	4174	2021	273	1388	1911	2927	3488	4285	2255	3318	5585	5346	5026
48 1976 Federal Report Surplus Deficit	3820	3853	2191	2490	3373	4000	3778	4274	4165	4879	4566	5775	4924	4745
49 1977 Federal Report Surplus Deficit	3869	4293	4351	1550	1488	1498	1157	1418	2612	603	1940	3278	1230	2569
50 1978 Federal Report Surplus Deficit	3263	2258	854	-84.3	1369	2516	2722	3144	3982	4983	4119	5358	4383	4566
51 1979 Federal Report Surplus Deficit	3449	2640	3115	1631	1504	1771	2241	1433	4246	2031	3785	5587	4270	1836
52 1980 Federal Report Surplus Deficit	3032	2470	1580	552	1389	1505	1901	1529	3011	3367	4213	5691	4908	4305
53 1981 Federal Report Surplus Deficit	2853	2450	1501	421	1338	3375	3487	4212	3983	895	3503	5389	5189	4648
54 1982 Federal Report Surplus Deficit	3876	4105	1761	916	1780	2575	3354	4261	4174	4982	4493	5597	5245	5143
55 1983 Federal Report Surplus Deficit	3914	4247	2913	2330	1819	2932	3632	4244	4263	4487	4183	5510	4923	4773
56 1984 Federal Report Surplus Deficit	3785	3757	2156	1215	3470	3118	3360	4207	4666	5026	4702	5604	5226	4663
57 1985 Federal Report Surplus Deficit	3821	3363	2131	1237	1699	2572	2331	2485	3519	4114	4443	5551	4141	3557
58 1986 Federal Report Surplus Deficit	2552	1707	1453	339	3131	2687	3256	4352	4587	4996	4699	5361	4753	4321
59 1987 Federal Report Surplus Deficit	3285	2572	1163	63.8	1583	2636	2083	1331	3873	1611	3336	5503	3962	2537
60 1988 Federal Report Surplus Deficit	2527	1766	1092	464	1305	1489	834	91.1	2810	1370	3160	4911	3103	3863
61 1989 Federal Report Surplus Deficit	3248	2495	1307	353	1648	2035	1297	802	3983	3438	4702	5444	4330	3326
62 1990 Federal Report Surplus Deficit	2675	2262	1354	667	1627	2754	3006	3773	4192	3278	4599	5242	4915	4524
63 1991 Federal Report Surplus Deficit	3922	3877	1300	277	3364	3257	3477	4004	4123	4175	3810	5522	4810	4713
64 1992 Federal Report Surplus Deficit	3886	3933	1273	809	1358	1504	1583	1717	3960	691	2465	4875	2547	2535
65 1993 Federal Report Surplus Deficit	2899	2011	953	625	1644	1811	594	-36.8	3474	2399	3644	5557	4604	3824
66 1994 Federal Report Surplus Deficit	3236	2852	1588	697	1811	1881	320	687	2496	1352	3117	5344	4016	3629
67 1995 Federal Report Surplus Deficit	3112	2088	1296	575	1037	1783	2208	3139	4177	2656	3388	5433	4954	4460
68 1996 Federal Report Surplus Deficit	3281	2779	1970	2014	3402	3955	3656	4375	4216	4957	4878	5678	4937	4670
69 1997 Federal Report Surplus Deficit	3890	3932	1695	957	1566	3186	3801	4133	4092	4792	4750	5664	5221	4761
70 1998 Federal Report Surplus Deficit	3792	4145	2872	3828	3001	2600	2641	3009	3958	3050	4169	5633	5152	4559
71 1999 Federal Report Surplus Deficit	3858	2993	1296	550	990	3007	3674	4050	4134	4210	4646	5584	5209	4857
72 2000 Federal Report Surplus Deficit	3919	4264	2123	968	3415	3439	2994	3546	4400	4969	4702	5591	4075	4406
73 2001 Federal Report Surplus Deficit	3723	2243	1063	558	1328	1625	1039	1176	2754	823	2342	4389	800	2850
74 2002 Federal Report Surplus Deficit	3396	2218	1014	-111	1433	1862	1080	1184	3387	3131	4520	5410	5006	4616
75 2003 Federal Report Surplus Deficit	3605	2949	1541	838	1729	1825	1066	743	4191	3185	3810	5319	4866	3502
76 2004 Federal Report Surplus Deficit	2677	1750	1012	448	1964	2171	1831	1024	3692	2509	3576	5331	3996	3870
77 2005 Federal Report Surplus Deficit	3084	2734	2262	1518	1383	2762	2396	2804	3063	933	3070	5282	4236	4194

**Federal Report Surplus Deficit By Water Year**

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	3413	2276	1471	43.0	1490	2548	3164	4138	4234	4902	4713	5596	5006	4441
79 2007 Federal Report Surplus Deficit	2921	2450	1089	778	1713	2211	2927	3105	4333	4588	3860	5484	4533	4513
80 2008 Federal Report Surplus Deficit	3178	2179	1018	753	1888	1641	1653	1936	3468	2664	1675	5535	5459	4598
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>2575</b>	<b>1938</b>	<b>1284</b>	<b>447</b>	<b>1577</b>	<b>2046</b>	<b>2265</b>	<b>2405</b>	<b>3710</b>	<b>2933</b>	<b>3906</b>	<b>5268</b>	<b>4128</b>	<b>4201</b>
82 <b>Middle 80 pct</b>	<b>3516</b>	<b>3082</b>	<b>1680</b>	<b>977</b>	<b>1739</b>	<b>2468</b>	<b>2469</b>	<b>2758</b>	<b>3750</b>	<b>3323</b>	<b>3769</b>	<b>5379</b>	<b>4525</b>	<b>4144</b>
83 <b>Top 10 pct</b>	<b>3911</b>	<b>3816</b>	<b>1999</b>	<b>1660</b>	<b>2309</b>	<b>2779</b>	<b>2757</b>	<b>3212</b>	<b>4042</b>	<b>3913</b>	<b>4240</b>	<b>5509</b>	<b>4517</b>	<b>4290</b>

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**Federal Report Surplus Deficit By Water Year**

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	3870	3872	1161	533	1373	1422	1082	1259	2385	1239	2928	4370	4391	877
2 1930 Federal Report Surplus Deficit	3102	2474	1681	751	1612	1495	404	1369	2395	2151	3195	3819	2873	3346
3 1931 Federal Report Surplus Deficit	3522	2616	1395	656	1742	1576	61.1	254	3234	2070	-86.1	4559	2655	3378
4 1932 Federal Report Surplus Deficit	3424	2686	1199	217	895	1501	480	-577	4086	4698	4498	5496	5548	4408
5 1933 Federal Report Surplus Deficit	3748	3678	2103	650	1196	2574	3036	4175	4602	3013	3682	5339	5891	4806
6 1934 Federal Report Surplus Deficit	4164	4135	1841	1679	3248	3593	3729	4874	4750	4640	4507	5250	4970	3781
7 1935 Federal Report Surplus Deficit	2529	2182	1213	543	475	1755	2910	4058	4562	1881	3810	5198	4795	4529
8 1936 Federal Report Surplus Deficit	4257	2898	1156	491	1393	1432	216	1117	2761	2218	4316	5502	5430	3749
9 1937 Federal Report Surplus Deficit	3278	2486	1426	661	1778	1521	46.6	575	2329	1618	435	4883	3930	2464
10 1938 Federal Report Surplus Deficit	3183	2225	1392	609	1386	2168	2605	3790	4818	4479	4786	5446	5297	4467
11 1939 Federal Report Surplus Deficit	2575	2113	1781	640	1091	1399	2057	2067	3687	3165	4334	5325	3873	3707
12 1940 Federal Report Surplus Deficit	3174	2367	1628	743	2010	2224	1584	2118	5082	3437	4023	5261	4217	3192
13 1941 Federal Report Surplus Deficit	2550	1759	1347	373	1684	1945	926	1194	2706	1110	2396	4805	3894	3390
14 1942 Federal Report Surplus Deficit	3327	2530	1623	160	2372	2886	2547	2707	3276	2322	3792	5061	4938	4533
15 1943 Federal Report Surplus Deficit	3723	3399	2273	738	512	1999	3162	4063	4970	4973	4924	5327	5834	4765
16 1944 Federal Report Surplus Deficit	4117	3291	1304	468	1400	1397	1282	1399	2274	1105	2546	3519	1960	2123
17 1945 Federal Report Surplus Deficit	3363	2143	1242	382	1555	1429	499	769	2328	1340	80.8	5415	5342	1844
18 1946 Federal Report Surplus Deficit	3018	2400	1416	420	1523	2215	2582	3381	4624	4648	4850	5383	5282	4609
19 1947 Federal Report Surplus Deficit	4004	3659	1855	378	2303	3319	3500	4731	4889	4096	4075	5440	5302	4479
20 1948 Federal Report Surplus Deficit	3789	3232	1595	3783	3218	2820	3453	4173	4879	3566	4503	5642	5772	4661
21 1949 Federal Report Surplus Deficit	4153	4244	2253	1043	1967	2057	2332	2520	5049	4142	4616	5529	5323	2305
22 1950 Federal Report Surplus Deficit	2435	1623	1314	466	1002	2219	3373	4577	4786	4890	4466	5447	5828	5255
23 1951 Federal Report Surplus Deficit	4181	4231	2103	1961	3320	3390	3725	5111	4856	4871	4554	5396	5349	4687
24 1952 Federal Report Surplus Deficit	4154	3283	1655	3243	2882	2861	3239	4509	5076	4894	4968	5642	5400	4537
25 1953 Federal Report Surplus Deficit	3713	2823	1137	558	1436	1459	1376	4902	4348	2376	3594	5404	5907	4778
26 1954 Federal Report Surplus Deficit	4014	3592	1764	954	2314	2534	3113	5011	4831	3774	4170	5452	5547	5160
27 1955 Federal Report Surplus Deficit	4140	4394	4303	1127	2968	2430	1715	2647	2004	1860	3305	5333	5822	5022
28 1956 Federal Report Surplus Deficit	4152	3899	1557	1338	3193	3341	3785	5072	4647	4683	4677	5602	5801	4726
29 1957 Federal Report Surplus Deficit	4161	4066	1765	1284	1905	2646	2530	2043	5102	4678	4049	5612	5762	4300
30 1958 Federal Report Surplus Deficit	3525	3026	1670	601	1751	1947	2895	3839	4711	3385	4339	5452	5594	4123
31 1959 Federal Report Surplus Deficit	3746	2755	1327	950	2891	3169	3652	4929	4897	4404	4123	5211	5516	4800
32 1960 Federal Report Surplus Deficit	4281	4376	4527	4341	3262	2994	2863	3563	4819	4941	4446	5297	5443	4554
33 1961 Federal Report Surplus Deficit	3994	2793	1321	894	2149	2205	2782	4223	5105	3950	3781	5383	5606	4223
34 1962 Federal Report Surplus Deficit	3769	3091	1397	405	1733	2174	2710	3584	2986	4777	4667	5420	5243	4266
35 1963 Federal Report Surplus Deficit	3698	3382	1220	1675	2970	3059	3018	3963	3998	2294	3517	5388	5195	4428
36 1964 Federal Report Surplus Deficit	3682	3064	1980	450	1704	2179	1991	2267	3251	4129	3544	5402	5854	4927
37 1965 Federal Report Surplus Deficit	4167	4138	2628	2027	2740	3388	3805	5087	4554	3638	4769	5412	5278	4544
38 1966 Federal Report Surplus Deficit	4169	4122	1259	1155	2147	2298	2469	3176	3586	4780	4032	4958	5049	4538

**Federal Report Surplus Deficit By Water Year**

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**2017 White Book** Report Date: 6/1/2017 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	4153	2902	1406	402	1324	2668	3459	4736	4658	3303	1599	5245	5711	4742
40 1968 Federal Report Surplus Deficit	4127	3907	1848	946	2518	2289	2936	4517	4980	1912	3113	4816	5352	4588
41 1969 Federal Report Surplus Deficit	4174	3675	3236	2125	3221	2854	3703	4759	4532	4749	4656	5572	5549	4555
42 1970 Federal Report Surplus Deficit	3597	2982	1592	1152	2090	1836	2859	3660	4037	2701	3414	5308	5694	3402
43 1971 Federal Report Surplus Deficit	3501	2667	1360	519	1291	2421	3764	4830	4936	4844	4442	5559	5839	4875
44 1972 Federal Report Surplus Deficit	4186	4369	2090	1339	2150	2565	3702	4757	4705	4876	4270	5523	5699	4909
45 1973 Federal Report Surplus Deficit	4187	4406	2222	1227	2277	2334	2680	2641	2902	992	2575	4904	3017	3135
46 1974 Federal Report Surplus Deficit	3057	2112	1270	472	1472	2892	3789	4788	4553	4622	4573	5427	5777	5339
47 1975 Federal Report Surplus Deficit	4161	4398	2149	340	1373	1951	2983	3966	4968	2384	3353	5433	5813	5053
48 1976 Federal Report Surplus Deficit	4059	3995	2343	2329	3303	3602	3674	4985	4887	4797	4401	5580	5494	4778
49 1977 Federal Report Surplus Deficit	4150	4511	4940	1384	1630	1310	1035	2349	2031	985	1941	3167	1934	2241
50 1978 Federal Report Surplus Deficit	3330	2210	898	8.22	1416	2448	2678	3543	4389	4830	4036	5203	4988	4533
51 1979 Federal Report Surplus Deficit	3511	2615	3445	1461	2174	1581	1585	3094	4362	2332	3786	5438	4765	1745
52 1980 Federal Report Surplus Deficit	3046	2428	1660	682	1548	1247	2223	1445	2752	3364	4124	5512	5501	4110
53 1981 Federal Report Surplus Deficit	2839	2400	1585	550	2211	3041	3309	4830	4143	1434	3361	5259	5652	4668
54 1982 Federal Report Surplus Deficit	4253	4312	1867	790	2549	2331	3243	4920	4874	4816	4364	5421	5744	5375
55 1983 Federal Report Surplus Deficit	4295	4456	3186	2166	2591	2676	3487	4944	5000	4322	4127	5350	5460	4792
56 1984 Federal Report Surplus Deficit	4168	3917	2294	1087	3356	2839	3284	4840	5232	4944	4574	5448	5772	4664
57 1985 Federal Report Surplus Deficit	4173	3441	2270	1102	2491	2327	2375	2794	3882	3910	4317	5420	4597	3176
58 1986 Federal Report Surplus Deficit	2531	1599	1519	1583	2898	2441	3003	4913	5381	4914	4556	5222	5371	4144
59 1987 Federal Report Surplus Deficit	3327	2541	1205	357	2319	2391	1749	2271	4017	1622	3458	5357	4587	2127
60 1988 Federal Report Surplus Deficit	2506	1648	1144	463	1339	1231	860	7.53	2827	1559	3198	4775	3824	3738
61 1989 Federal Report Surplus Deficit	3300	2465	1368	405	1751	2050	1309	34.4	4171	3495	4658	5309	4834	3565
62 1990 Federal Report Surplus Deficit	2654	2184	1408	653	2276	2541	2517	4755	4971	3285	4485	5221	5477	4497
63 1991 Federal Report Surplus Deficit	4245	4040	1353	409	3266	2932	3371	4509	4859	4108	3796	5385	5390	4748
64 1992 Federal Report Surplus Deficit	4267	4084	1325	441	1366	1245	1604	2626	3965	995	2494	4740	3191	2724
65 1993 Federal Report Surplus Deficit	2906	1938	1000	495	1833	1625	188	215	3769	2687	3635	5409	5179	3595
66 1994 Federal Report Surplus Deficit	3343	2916	1655	668	1955	1732	771	993	3216	1382	3224	4881	4555	3283
67 1995 Federal Report Surplus Deficit	3180	2075	1372	472	993	1762	2207	3177	4156	4048	3577	5363	5536	4405
68 1996 Federal Report Surplus Deficit	3344	2796	2096	2127	3287	3810	3681	5068	4948	4836	4833	5500	5496	4719
69 1997 Federal Report Surplus Deficit	4269	4083	1782	829	2373	2898	3828	4832	4757	4664	4686	5474	5697	4830
70 1998 Federal Report Surplus Deficit	4164	4360	3137	3989	3195	2355	2360	3862	4034	3063	4117	5441	5682	4472
71 1999 Federal Report Surplus Deficit	4094	3022	1345	567	1103	2807	3648	4712	4791	3991	4500	5443	5759	4927
72 2000 Federal Report Surplus Deficit	4259	4482	2275	868	3301	3093	2919	3915	4896	4759	4617	5443	4482	4335
73 2001 Federal Report Surplus Deficit	3917	2180	1101	659	1438	1437	1282	1363	2478	1019	2174	4293	1624	2509
74 2002 Federal Report Surplus Deficit	3469	2150	1057	-18.4	1480	1874	1110	1318	3408	3110	4391	5277	5548	4632
75 2003 Federal Report Surplus Deficit	3731	2973	1619	802	1846	1643	903	966	4585	3167	3785	5189	5548	3176
76 2004 Federal Report Surplus Deficit	2662	1625	1055	531	2460	2344	1614	650	3635	2563	3595	5214	4770	3848
77 2005 Federal Report Surplus Deficit	3114	2733	2447	1351	2183	2514	2355	3205	3102	1558	3073	5142	4821	3632

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	3562	2337	1536	644	2384	2303	3126	4675	4782	4814	4641	5430	5553	4338
79 2007 Federal Report Surplus Deficit	2919	2409	1128	400	2348	2357	2889	3290	5147	4398	3780	5388	4918	4483
80 2008 Federal Report Surplus Deficit	3211	2104	1062	743	2308	1776	1758	1938	3619	2769	1717	5382	5884	4575
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>2555</b>	<b>1842</b>	<b>1348</b>	<b>657</b>	<b>1653</b>	<b>1984</b>	<b>2158</b>	<b>2778</b>	<b>4069</b>	<b>2921</b>	<b>3855</b>	<b>5151</b>	<b>4729</b>	<b>4139</b>
82 <b>Middle 80 pct</b>	<b>3691</b>	<b>3125</b>	<b>1785</b>	<b>989</b>	<b>2070</b>	<b>2311</b>	<b>2415</b>	<b>3212</b>	<b>4095</b>	<b>3359</b>	<b>3712</b>	<b>5225</b>	<b>5080</b>	<b>4032</b>
83 <b>Top 10 pct</b>	<b>4266</b>	<b>4091</b>	<b>2184</b>	<b>1292</b>	<b>2512</b>	<b>2450</b>	<b>2691</b>	<b>3803</b>	<b>4491</b>	<b>3853</b>	<b>4106</b>	<b>5326</b>	<b>5105</b>	<b>4388</b>

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**Federal Report Surplus Deficit By Water Year**

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	3443	3628	1490	234	1200	1275	1002	1008	1243	895	2745	4115	3637	685
2 1930 Federal Report Surplus Deficit	2790	2828	1399	336	1407	1342	475	1130	1253	1761	2991	3591	1950	3297
3 1931 Federal Report Surplus Deficit	3079	2879	1165	228	1516	1455	233	109	2212	1681	-129	4292	1723	3329
4 1932 Federal Report Surplus Deficit	3385	2845	1214	-70.9	753	1366	579	-630	3188	4265	4028	5118	5109	4433
5 1933 Federal Report Surplus Deficit	3558	3474	1891	291	1045	2623	2804	3661	3995	2781	3376	4975	5441	4863
6 1934 Federal Report Surplus Deficit	4060	4223	2007	1130	3181	3900	3580	4369	4108	4129	4009	4870	4508	3765
7 1935 Federal Report Surplus Deficit	1898	2647	875	141	421	1633	2693	3395	4035	1494	3486	4844	4142	4569
8 1936 Federal Report Surplus Deficit	4117	2986	1241	162	1214	1289	408	880	1665	1827	3893	5125	5002	3727
9 1937 Federal Report Surplus Deficit	2684	2727	1140	278	1557	1390	186	392	1173	1252	389	4596	3075	2383
10 1938 Federal Report Surplus Deficit	2815	2597	1302	262	1214	2115	2386	3309	4201	4073	4330	5060	4781	4498
11 1939 Federal Report Surplus Deficit	1955	2571	1617	268	952	1232	1846	1872	2563	2878	3913	4976	3008	3680
12 1940 Federal Report Surplus Deficit	2574	2718	1229	307	1771	2214	1403	1797	4465	3071	3675	4915	3441	3011
13 1941 Federal Report Surplus Deficit	2430	2420	1182	26.9	1464	1862	904	949	1609	769	2257	4500	3069	3348
14 1942 Federal Report Surplus Deficit	3099	2758	1526	-129	2127	3010	2323	2324	2262	1932	3474	4728	4344	4576
15 1943 Federal Report Surplus Deficit	3603	3390	2051	324	458	1915	2973	3681	4310	4500	4547	4949	5398	4767
16 1944 Federal Report Surplus Deficit	3696	3191	1449	195	1226	1241	1150	1135	1121	769	2397	3300	1004	1958
17 1945 Federal Report Surplus Deficit	3011	2488	1140	57.1	1356	1306	605	593	1170	995	37.8	5051	4846	1746
18 1946 Federal Report Surplus Deficit	2468	2753	1284	140	1338	2173	2357	2943	3873	4250	4385	5000	4747	4651
19 1947 Federal Report Surplus Deficit	4041	4085	1933	154	2060	3547	3382	4146	4252	3764	3681	5060	4803	4522
20 1948 Federal Report Surplus Deficit	3518	3063	1748	3327	3044	2937	3338	3672	4237	3251	4049	5251	5366	4689
21 1949 Federal Report Surplus Deficit	4059	4394	2387	578	1741	1988	2107	2160	4395	3807	4189	5156	4816	2223
22 1950 Federal Report Surplus Deficit	1778	2429	895	179	877	2207	3217	4106	4181	4415	4051	5063	5435	5266
23 1951 Federal Report Surplus Deficit	4085	4368	2257	1405	3180	3625	3578	4603	4213	4282	4077	5012	4842	4720
24 1952 Federal Report Surplus Deficit	4117	3272	1829	2766	2646	2978	3093	4019	4428	4471	4515	5268	4912	4576
25 1953 Federal Report Surplus Deficit	3658	2877	1032	248	1249	1318	1277	4324	3517	1985	3326	5025	5451	4812
26 1954 Federal Report Surplus Deficit	3722	3473	1927	511	2072	2559	2891	4510	4210	3424	3778	5068	5185	5163
27 1955 Federal Report Surplus Deficit	4048	4512	3920	652	2747	2471	1540	2267	835	1474	3072	4949	5417	5098
28 1956 Federal Report Surplus Deficit	4048	4067	1725	829	3008	3571	3653	4577	4051	4108	4285	5220	5397	4754
29 1957 Federal Report Surplus Deficit	4007	4171	1931	780	1685	2700	2313	1728	4466	4269	3683	5211	5345	4315
30 1958 Federal Report Surplus Deficit	3461	3062	1399	258	1542	1853	2692	3164	4180	3010	3923	5075	5188	4124
31 1959 Federal Report Surplus Deficit	3516	2924	1376	511	2656	3372	3591	4389	4250	3991	3752	4830	5120	4891
32 1960 Federal Report Surplus Deficit	4178	4459	3934	3636	3192	3197	2699	3215	4080	4468	4003	4921	4999	4596
33 1961 Federal Report Surplus Deficit	3988	2866	1473	458	1913	2168	2584	3702	4447	3606	3447	4996	5227	4240
34 1962 Federal Report Surplus Deficit	3396	3167	1395	139	1524	2125	2493	3128	1918	4344	4188	5039	4703	4278
35 1963 Federal Report Surplus Deficit	3730	3280	1383	1124	2746	3238	2856	3484	3126	1903	3246	5022	4628	4468
36 1964 Federal Report Surplus Deficit	3612	3106	2113	152	1499	2136	1788	1922	2222	3773	3297	5019	5469	5003
37 1965 Federal Report Surplus Deficit	4062	4218	2721	1463	2500	3630	3656	4581	3924	3173	4298	5031	4803	4584
38 1966 Federal Report Surplus Deficit	4078	4126	1434	642	1908	2302	2243	2753	2608	4326	3702	4641	4470	4579

**Federal Report Surplus Deficit By Water Year**

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	4011	3015	1534	69.3	1159	2730	3335	4216	4035	2806	1495	4876	5308	4766
40 1968 Federal Report Surplus Deficit	4008	3843	2004	471	2272	2291	2739	3947	4398	1522	2922	4497	4910	4631
41 1969 Federal Report Surplus Deficit	4073	3705	3193	1574	3048	2973	3592	4242	3897	4216	4193	5212	5127	4597
42 1970 Federal Report Surplus Deficit	3354	3033	1702	670	1857	1730	2633	3200	3259	2221	3172	4923	5249	3359
43 1971 Federal Report Surplus Deficit	3287	2876	1260	164	1132	2425	3570	4285	4302	4370	3982	5173	5422	4861
44 1972 Federal Report Surplus Deficit	4084	4493	2247	828	1916	2592	3553	4261	4094	4306	3854	5114	5307	4959
45 1973 Federal Report Surplus Deficit	4091	4541	2361	723	2037	2309	2460	2263	1827	662	2424	4609	2112	3084
46 1974 Federal Report Surplus Deficit	2867	2621	1103	115	1292	3012	3640	4295	3966	4059	4192	4954	5406	5329
47 1975 Federal Report Surplus Deficit	4060	4535	2296	114	1202	1855	2773	3486	4340	1955	3103	5045	5342	4950
48 1976 Federal Report Surplus Deficit	3916	3821	2475	1776	3161	3874	3614	4462	4194	4295	3964	5198	5034	4822
49 1977 Federal Report Surplus Deficit	4067	4648	4078	865	1431	1170	1297	1265	855	644	1841	2951	977	1974
50 1978 Federal Report Surplus Deficit	3085	2557	694	-139	1238	2454	2459	3207	3495	4388	3646	4818	4384	4573
51 1979 Federal Report Surplus Deficit	3211	2780	2987	919	1936	1438	1424	2686	3527	1966	3483	5058	4070	1643
52 1980 Federal Report Surplus Deficit	2531	2569	1520	286	1350	1062	2005	1179	1652	3000	3723	5165	5049	4109
53 1981 Federal Report Surplus Deficit	2837	2825	1508	165	1969	3209	3172	4228	3311	1134	3120	4887	5281	4702
54 1982 Federal Report Surplus Deficit	4155	4463	2025	387	2304	2311	3070	4444	4243	4354	3943	5033	5276	5308
55 1983 Federal Report Surplus Deficit	4191	4592	3188	1602	2345	2729	3353	4466	4369	3924	3757	4968	4993	4796
56 1984 Federal Report Surplus Deficit	4049	4247	2435	621	3256	2936	3095	4243	4647	4471	4164	5065	5323	4695
57 1985 Federal Report Surplus Deficit	4007	3314	2411	642	2246	2311	2149	2404	2983	3533	3898	5044	3879	3121
58 1986 Federal Report Surplus Deficit	1686	2405	1321	1046	2665	2458	2801	4406	4703	4441	4169	4863	4891	4146
59 1987 Federal Report Surplus Deficit	3385	2743	1247	95.1	2078	2392	1571	1928	3142	1388	3155	4988	3893	2032
60 1988 Federal Report Surplus Deficit	2255	2412	998	97.5	1148	1047	860	-110	1739	1194	2983	4497	2965	3706
61 1989 Federal Report Surplus Deficit	3058	2752	1284	107	1542	1983	1198	-85.0	3338	3050	4207	4944	4150	3510
62 1990 Federal Report Surplus Deficit	2418	2701	1220	274	2033	2610	2292	4169	4320	2968	4008	4867	5077	4533
63 1991 Federal Report Surplus Deficit	4114	3853	1439	138	3141	3088	3224	3975	4213	3706	3437	5014	4923	4822
64 1992 Federal Report Surplus Deficit	4165	4045	1489	154	1191	1061	1427	2250	3097	654	2349	4452	2292	2654
65 1993 Federal Report Surplus Deficit	2563	2415	872	103	1612	1492	371	71.2	2807	2297	3371	5033	4515	3751
66 1994 Federal Report Surplus Deficit	3012	3016	1499	302	1724	1631	788	770	2188	1062	3002	4586	3841	3229
67 1995 Federal Report Surplus Deficit	3006	2577	1238	93.1	858	1650	1988	2773	3293	3676	3307	4993	5092	4429
68 1996 Federal Report Surplus Deficit	3030	3007	1966	1569	3203	4005	3531	4574	4321	4381	4366	5118	5038	4759
69 1997 Federal Report Surplus Deficit	4159	4075	1949	423	2130	3009	3679	4339	4148	4094	4309	5118	5309	4879
70 1998 Federal Report Surplus Deficit	4058	4489	3149	3512	3012	2338	2136	3389	3154	2679	3772	5082	5235	4505
71 1999 Federal Report Surplus Deficit	4113	3527	1485	264	968	2903	3534	4191	4174	3668	4068	5064	5306	4966
72 2000 Federal Report Surplus Deficit	4162	4617	2405	452	3231	3271	2722	3562	4127	4345	4123	5061	3719	4364
73 2001 Federal Report Surplus Deficit	3914	2594	1065	290	1256	1292	1163	1061	1349	688	2065	4047	661	2425
74 2002 Federal Report Surplus Deficit	3138	2569	853	-166	1293	1774	1031	1063	2442	2766	3953	4922	5153	4665
75 2003 Federal Report Surplus Deficit	3216	3348	1400	371	1626	1512	894	745	3825	2818	3456	4836	5114	3121
76 2004 Federal Report Surplus Deficit	1980	2522	991	141	2215	2335	1455	464	2682	2197	3322	4867	4124	3831
77 2005 Federal Report Surplus Deficit	1916	2830	1836	822	1944	2544	1999	3028	2110	1158	2856	4777	4198	3600

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	3194	2832	1230	278	2140	2284	2932	4135	4148	4347	4207	5051	5153	4356
79 2007 Federal Report Surplus Deficit	2802	2643	957	112	2103	2347	2690	2857	4487	3997	3473	5014	4280	4519
80 2008 Federal Report Surplus Deficit	2834	2550	858	296	2065	1661	1566	1652	2647	2393	1626	4998	5475	4616
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>1986</b>	<b>2565</b>	<b>1219</b>	<b>371</b>	<b>1532</b>	<b>2008</b>	<b>2145</b>	<b>2666</b>	<b>3292</b>	<b>2593</b>	<b>3599</b>	<b>4844</b>	<b>4230</b>	<b>4166</b>
82 <b>Middle 80 pct</b>	<b>3480</b>	<b>3297</b>	<b>1718</b>	<b>532</b>	<b>1872</b>	<b>2304</b>	<b>2267</b>	<b>2763</b>	<b>3271</b>	<b>2939</b>	<b>3362</b>	<b>4859</b>	<b>4520</b>	<b>4026</b>
83 <b>Top 10 pct</b>	<b>4156</b>	<b>4064</b>	<b>2257</b>	<b>1198</b>	<b>2282</b>	<b>2481</b>	<b>2556</b>	<b>3397</b>	<b>3770</b>	<b>3517</b>	<b>3861</b>	<b>4993</b>	<b>4563</b>	<b>4362</b>

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	3401	3483	1148	111	1089	1048	863	1038	1004	893	2556	3902	4381	639
2 1930 Federal Report Surplus Deficit	2720	2621	1063	158	1329	1122	402	1171	1015	1669	2792	3337	2700	3188
3 1931 Federal Report Surplus Deficit	3006	2661	830	43.6	1454	1204	197	231	1975	1591	-164	4092	2463	3218
4 1932 Federal Report Surplus Deficit	3344	2626	879	-186	608	1128	516	-430	2945	4135	3796	4874	5641	4273
5 1933 Federal Report Surplus Deficit	3521	3313	1592	141	910	2302	2474	3566	3732	2507	3152	4763	5979	4755
6 1934 Federal Report Surplus Deficit	4106	4189	1710	878	2862	3554	3337	4176	3846	3999	3800	4632	5117	3633
7 1935 Federal Report Surplus Deficit	1813	2442	563	-29.7	170	1383	2357	3216	3750	1414	3255	4657	4839	4401
8 1936 Federal Report Surplus Deficit	4143	2781	917	26.8	1110	1058	379	921	1429	1721	3662	4876	5543	3599
9 1937 Federal Report Surplus Deficit	2613	2530	826	116	1491	1148	138	482	934	1216	333	4408	3838	2299
10 1938 Federal Report Surplus Deficit	2748	2411	966	117	1102	1822	2117	3149	3941	3911	4107	4808	5365	4334
11 1939 Federal Report Surplus Deficit	1863	2431	1287	111	803	1028	1621	1827	2326	2679	3695	4773	3810	3557
12 1940 Federal Report Surplus Deficit	2501	2518	898	118	1713	1905	1206	1767	4160	2915	3442	4723	4186	2911
13 1941 Federal Report Surplus Deficit	2200	2267	847	-117	1397	1585	793	984	1373	774	2091	4314	3828	3233
14 1942 Federal Report Surplus Deficit	3047	2546	1204	-245	2066	2670	2055	2243	2025	1834	3243	4535	4995	4422
15 1943 Federal Report Surplus Deficit	3562	3184	1800	146	207	1638	2622	3511	4051	4383	4405	4713	5942	4659
16 1944 Federal Report Surplus Deficit	3676	3018	1108	87.2	1116	1023	1001	1119	882	778	2225	3014	1702	1881
17 1945 Federal Report Surplus Deficit	2898	2316	808	-76.4	1272	1057	545	688	929	992	-1.56	4832	5411	1673
18 1946 Federal Report Surplus Deficit	2385	2574	954	28.0	1240	1875	2092	2819	3612	4112	4220	4746	5342	4485
19 1947 Federal Report Surplus Deficit	4061	3983	1641	68.8	2002	3211	3026	3977	3979	3566	3452	4808	5375	4353
20 1948 Federal Report Surplus Deficit	3488	2869	1426	2944	2808	2611	2985	3475	3956	3031	3831	5020	5894	4543
21 1949 Federal Report Surplus Deficit	4106	4403	2187	374	1679	1703	1841	2098	4134	3590	3981	4908	5389	2139
22 1950 Federal Report Surplus Deficit	1685	2307	647	63.8	712	1898	2830	3907	3910	4317	3802	4830	5963	5186
23 1951 Federal Report Surplus Deficit	4131	4364	2005	1144	2895	3292	3337	4419	3958	4150	3845	4756	5418	4591
24 1952 Federal Report Surplus Deficit	4140	3031	1513	2395	2537	2653	2746	3850	4139	4339	4368	5019	5476	4407
25 1953 Federal Report Surplus Deficit	3643	2719	748	122	1153	1085	1128	4101	3266	1872	3105	4813	6007	4712
26 1954 Federal Report Surplus Deficit	3782	3321	1628	319	2013	2242	2564	4275	3952	3293	3548	4817	5689	5126
27 1955 Federal Report Surplus Deficit	4069	4566	4232	444	2607	2151	1347	2190	594	1398	2863	4758	5950	4994
28 1956 Federal Report Surplus Deficit	4094	3981	1395	600	2786	3237	3409	4381	3781	3973	4083	4964	5916	4631
29 1957 Federal Report Surplus Deficit	4035	4128	1631	556	1619	2379	2032	1702	4161	4120	3450	4994	5905	4161
30 1958 Federal Report Surplus Deficit	3421	2885	1063	115	1467	1583	2383	3331	3691	2868	3686	4836	5707	3980
31 1959 Federal Report Surplus Deficit	3483	2718	1039	321	2545	3025	3248	4196	3985	3846	3522	4597	5641	4791
32 1960 Federal Report Surplus Deficit	4208	4437	4278	3157	2876	2849	2381	3069	3769	4351	3765	4733	5539	4427
33 1961 Federal Report Surplus Deficit	3996	2710	1132	269	1855	1868	2263	3509	4189	3426	3241	4749	5746	4084
34 1962 Federal Report Surplus Deficit	3359	2952	1056	34.3	1449	1830	2214	2992	1682	4221	4003	4803	5306	4127
35 1963 Federal Report Surplus Deficit	3719	3102	1044	872	2611	2892	2482	3297	2879	1806	3025	4815	5249	4299
36 1964 Federal Report Surplus Deficit	3591	2878	1853	31.4	1420	1839	1573	1872	1986	3603	3088	4793	5977	4956
37 1965 Federal Report Surplus Deficit	4108	4187	2617	1195	2408	3300	3352	4289	3658	2997	4119	4777	5350	4415
38 1966 Federal Report Surplus Deficit	4119	4041	1090	412	1850	1989	1984	2641	2369	4204	3469	4473	5127	4410

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**2017 White Book** Report Date: 6/1/2017 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	4026	2798	1197	-67.8	1040	2408	2965	4016	3769	2771	1345	4650	5820	4657
40 1968 Federal Report Surplus Deficit	4023	3723	1732	263	2203	1979	2413	3761	4052	1439	2727	4341	5438	4465
41 1969 Federal Report Surplus Deficit	4100	3567	3292	1282	2812	2648	3349	4045	3636	4037	4006	4950	5652	4428
42 1970 Federal Report Surplus Deficit	3307	2821	1367	458	1798	1468	2334	3056	2919	2196	2962	4701	5777	3248
43 1971 Federal Report Surplus Deficit	3235	2718	924	15.7	1006	2113	3330	4093	4037	4248	3755	4914	5926	4768
44 1972 Federal Report Surplus Deficit	4128	4512	1985	601	1857	2274	3272	4067	3825	4158	3607	4837	5812	4853
45 1973 Federal Report Surplus Deficit	4143	4576	2152	500	1979	2005	2183	2188	1591	691	2251	4419	2867	2979
46 1974 Federal Report Surplus Deficit	2801	2419	770	-34.9	1185	2680	3395	4102	3701	3917	3981	4674	5916	5305
47 1975 Federal Report Surplus Deficit	4106	4579	2062	29.0	1090	1585	2448	3318	4029	1880	2903	4802	5891	4896
48 1976 Federal Report Surplus Deficit	3924	3705	2289	1469	2879	3550	3273	4265	3916	4162	3727	4940	5562	4729
49 1977 Federal Report Surplus Deficit	4063	4703	4435	633	1347	936	1098	1264	613	678	1704	2648	1673	1896
50 1978 Federal Report Surplus Deficit	2926	2366	446	-189	1132	2140	2183	3067	3240	4257	3410	4574	5029	4404
51 1979 Federal Report Surplus Deficit	3152	2622	2998	675	1879	1207	1240	2585	3276	1840	3270	4821	4779	1572
52 1980 Federal Report Surplus Deficit	2455	2413	1182	118	1265	887	1770	1197	1415	2852	3489	4903	5569	3967
53 1981 Federal Report Surplus Deficit	2766	2654	1173	2.10	1911	2858	2784	4001	3059	1040	2912	4667	5827	4571
54 1982 Federal Report Surplus Deficit	4201	4460	1751	215	2231	2005	2720	4253	3983	4240	3708	4774	5815	5311
55 1983 Federal Report Surplus Deficit	4220	4609	3228	1324	2273	2408	2986	4277	4102	3731	3525	4728	5526	4687
56 1984 Federal Report Surplus Deficit	4088	4216	2221	418	2946	2612	2740	4021	4320	4353	3962	4819	5859	4546
57 1985 Federal Report Surplus Deficit	4031	3148	2197	442	2183	2003	1949	2360	2556	3359	3659	4816	4604	3017
58 1986 Federal Report Surplus Deficit	1569	2284	977	801	2551	2143	2480	4144	4446	4324	3948	4647	5443	4002
59 1987 Federal Report Surplus Deficit	3342	2547	914	-7.71	2019	2080	1375	1879	2895	1206	3015	4768	4602	1953
60 1988 Federal Report Surplus Deficit	2174	2278	678	-55.5	1056	872	758	38.1	1503	1161	2781	4306	3729	3582
61 1989 Federal Report Surplus Deficit	2982	2545	953	-13.9	1467	1697	1049	60.0	3045	2968	4015	4728	4853	3394
62 1990 Federal Report Surplus Deficit	2290	2508	892	113	1975	2287	2026	3989	4061	2750	3798	4668	5612	4366
63 1991 Federal Report Surplus Deficit	4138	3730	1099	30.3	2843	2735	2844	3800	3951	3598	3226	4790	5466	4716
64 1992 Federal Report Surplus Deficit	4203	3954	1151	39.1	1082	879	1232	2175	2849	688	2180	4268	3053	2559
65 1993 Federal Report Surplus Deficit	2489	2249	567	-62.9	1546	1251	338	195	2567	2181	3152	4800	5174	3625
66 1994 Federal Report Surplus Deficit	2951	2847	1155	149	1665	1365	692	823	1951	1011	2810	4400	4565	3122
67 1995 Federal Report Surplus Deficit	2925	2386	903	-66.9	705	1392	1752	2676	3045	3493	3084	4767	5617	4269
68 1996 Federal Report Surplus Deficit	2964	2780	1672	1304	2904	3696	3289	4377	4051	4248	4172	4856	5567	4675
69 1997 Federal Report Surplus Deficit	4170	3971	1648	249	2071	2686	3432	4137	3883	3949	4092	4849	5841	4804
70 1998 Federal Report Surplus Deficit	4067	4510	3177	3114	2799	2031	1890	3222	2907	2554	3538	4840	5755	4340
71 1999 Federal Report Surplus Deficit	4138	3299	1146	141	814	2579	3277	4000	3913	3429	3848	4831	5836	4866
72 2000 Federal Report Surplus Deficit	4180	4641	2211	273	2908	2921	2404	3385	3857	4214	3937	4820	4459	4201
73 2001 Federal Report Surplus Deficit	3920	2422	759	136	1155	1063	990	1085	1111	705	1920	3829	1328	2338
74 2002 Federal Report Surplus Deficit	3083	2405	605	-216	1197	1507	904	1087	2204	2602	3732	4719	5676	4513
75 2003 Federal Report Surplus Deficit	3159	3181	1061	186	1559	1269	788	801	3564	2656	3230	4633	5635	3017
76 2004 Federal Report Surplus Deficit	1894	2371	696	-24.7	2142	2026	1273	549	2443	2060	3112	4680	4807	3701
77 2005 Federal Report Surplus Deficit	1825	2638	1537	585	1886	2226	1741	2896	1829	1120	2654	4556	4881	3481

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	3140	2624	907	124	2078	1978	2585	3955	3844	4227	4053	4808	5680	4200
79 2007 Federal Report Surplus Deficit	2734	2464	692	-2.77	2043	2038	2378	2738	4229	3834	3243	4787	4958	4352
80 2008 Federal Report Surplus Deficit	2767	2392	610	103	2006	1405	1372	1625	2408	2262	1518	4753	6019	4447
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>1878</b>	<b>2377</b>	<b>904</b>	<b>167</b>	<b>1340</b>	<b>1645</b>	<b>1732</b>	<b>2195</b>	<b>2697</b>	<b>2231</b>	<b>3167</b>	<b>4595</b>	<b>4662</b>	<b>3893</b>
82 <b>Middle 80 pct</b>	<b>3455</b>	<b>3136</b>	<b>1445</b>	<b>387</b>	<b>1773</b>	<b>2033</b>	<b>2056</b>	<b>2745</b>	<b>3086</b>	<b>2909</b>	<b>3224</b>	<b>4642</b>	<b>5182</b>	<b>3947</b>
83 <b>Top 10 pct</b>	<b>4184</b>	<b>4179</b>	<b>2167</b>	<b>723</b>	<b>2066</b>	<b>2101</b>	<b>2215</b>	<b>3051</b>	<b>3183</b>	<b>2948</b>	<b>3390</b>	<b>4683</b>	<b>4830</b>	<b>4071</b>

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**Federal Report Surplus Deficit By Water Year**

**Operating Year 2023**

**2017 White Book Report Date: 6/1/2017**

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	3457	3626	1013	59.3	1055	1014	797	995	710	780	2436	3905	3627	633
2 1930 Federal Report Surplus Deficit	2829	2724	946	87.4	1286	1091	393	1131	721	1569	2674	3372	2030	3051
3 1931 Federal Report Surplus Deficit	3101	2768	715	-29.4	1404	1161	229	213	1773	1492	-273	4081	1801	3079
4 1932 Federal Report Surplus Deficit	3405	2735	764	-235	581	1090	519	-431	2788	3977	3703	4825	4708	4125
5 1933 Federal Report Surplus Deficit	3567	3467	1372	81.0	881	2228	2424	3443	3616	2395	3043	4709	5033	4633
6 1934 Federal Report Surplus Deficit	4028	4224	1482	764	2821	3480	3256	4053	3733	3862	3712	4578	4237	3482
7 1935 Federal Report Surplus Deficit	1923	2528	511	-97.4	162	1340	2297	3104	3621	1313	3153	4605	4026	4266
8 1936 Federal Report Surplus Deficit	4062	2906	847	-28.3	1074	1023	420	881	1177	1622	3578	4832	4623	3448
9 1937 Federal Report Surplus Deficit	2724	2605	771	52.2	1443	1108	156	455	626	1110	223	4378	3128	2199
10 1938 Federal Report Surplus Deficit	2852	2476	859	59.2	1068	1761	2035	3038	3826	3763	4009	4756	4472	4190
11 1939 Federal Report Surplus Deficit	1970	2452	1120	49.1	777	1004	1524	1759	2132	2573	3608	4722	3091	3409
12 1940 Federal Report Surplus Deficit	2614	2598	806	43.5	1658	1837	1112	1703	4028	2796	3344	4673	3431	2784
13 1941 Federal Report Surplus Deficit	2315	2278	732	-175	1350	1531	748	941	1120	659	1968	4273	3100	3091
14 1942 Federal Report Surplus Deficit	3130	2647	1018	-294	2008	2593	1972	2160	1826	1733	3140	4485	4142	4307
15 1943 Federal Report Surplus Deficit	3581	3338	1532	76.2	199	1584	2577	3398	3936	4233	4292	4659	4981	4545
16 1944 Federal Report Surplus Deficit	3685	3173	990	40.4	1082	994	918	1073	577	662	2102	3068	1058	1802
17 1945 Federal Report Surplus Deficit	2992	2353	709	-131	1230	1015	549	663	618	879	-107	4777	4507	1604
18 1946 Federal Report Surplus Deficit	2501	2649	873	-19.8	1203	1812	2007	2720	3481	3955	4108	4694	4458	4362
19 1947 Federal Report Surplus Deficit	3990	4067	1408	28.5	1946	3138	3017	3847	3864	3434	3360	4758	4471	4226
20 1948 Federal Report Surplus Deficit	3520	3010	1229	2763	2750	2533	2971	3357	3826	2918	3747	4969	4976	4430
21 1949 Federal Report Surplus Deficit	4042	4392	1870	293	1629	1645	1757	2024	4020	3445	3887	4862	4497	2043
22 1950 Federal Report Surplus Deficit	1790	2270	661	14.9	689	1831	2805	3785	3795	4163	3715	4775	5015	5023
23 1951 Federal Report Surplus Deficit	4059	4366	1736	1018	2841	3219	3194	4195	3810	4013	3757	4707	4523	4475
24 1952 Federal Report Surplus Deficit	4064	3182	1302	2225	2474	2576	2719	3728	4008	4185	4248	4968	4568	4270
25 1953 Federal Report Surplus Deficit	3643	2841	732	69.4	1115	1050	1056	3973	3125	1772	2996	4759	5054	4596
26 1954 Federal Report Surplus Deficit	3761	3468	1407	243	1957	2169	2516	4144	3837	3168	3455	4765	4740	4971
27 1955 Federal Report Surplus Deficit	4198	4495	3770	360	2545	2078	1255	2109	266	1298	2749	4707	5017	4864
28 1956 Federal Report Surplus Deficit	4025	4068	1219	505	2726	3164	3328	4259	3668	3835	3973	4914	4981	4514
29 1957 Federal Report Surplus Deficit	3951	4171	1408	464	1571	2304	1957	1640	4030	3968	3353	4941	4959	4010
30 1958 Federal Report Surplus Deficit	3479	3026	939	57.8	1423	1531	2319	3224	3562	2743	3597	4790	4752	3827
31 1959 Federal Report Surplus Deficit	3527	2843	917	246	2482	2950	3246	4063	3870	3700	3426	4542	4691	4668
32 1960 Federal Report Surplus Deficit	4149	4447	3936	2990	2837	2773	2339	2961	3640	4202	3672	4685	4620	4298
33 1961 Federal Report Surplus Deficit	3948	2825	992	195	1802	1804	2202	3395	4075	3287	3133	4697	4793	3934
34 1962 Federal Report Surplus Deficit	3409	3100	927	-11.5	1405	1768	2141	2887	1451	4064	3896	4749	4425	3975
35 1963 Federal Report Surplus Deficit	3711	3258	935	760	2549	2815	2448	3187	2730	1706	2915	4760	4383	4163
36 1964 Federal Report Surplus Deficit	3605	3023	1593	-19.0	1377	1776	1476	1802	1778	3462	2971	4738	5079	4816
37 1965 Federal Report Surplus Deficit	4032	4218	2245	1065	2346	3227	3234	4122	3544	2879	4015	4728	4432	4282
38 1966 Federal Report Surplus Deficit	4026	4106	934	316	1796	1919	1896	2546	2186	4050	3362	4441	4276	4277

**Federal Report Surplus Deficit By Water Year**

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**2017 White Book** Report Date: **6/1/2017** *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	3966	2928	1040	-124	1008	2332	2950	3885	3655	2659	1224	4596	4899	4543
40 1968 Federal Report Surplus Deficit	3961	3844	1484	180	2144	1909	2353	3638	3918	1338	2608	4312	4502	4344
41 1969 Federal Report Surplus Deficit	4017	3690	2798	1144	2754	2570	3267	3923	3521	3900	3887	4906	4722	4297
42 1970 Federal Report Surplus Deficit	3372	2957	1205	372	1746	1420	2264	2950	2770	2093	2848	4646	4822	3108
43 1971 Federal Report Surplus Deficit	3311	2839	829	-43.7	975	2042	3249	3971	3924	4101	3673	4864	5016	4644
44 1972 Federal Report Surplus Deficit	4045	4490	1725	507	1805	2202	3229	3944	3712	4021	3519	4780	4879	4724
45 1973 Federal Report Surplus Deficit	4121	4524	1856	407	1924	1939	2105	2108	1355	570	2129	4389	2191	2846
46 1974 Federal Report Surplus Deficit	2906	2500	677	-94.8	1150	2603	3315	3981	3587	3780	3871	4617	4974	5114
47 1975 Federal Report Surplus Deficit	4052	4518	1782	-11.4	1056	1535	2388	3205	3900	1780	2789	4748	4929	4779
48 1976 Federal Report Surplus Deficit	3875	3821	1963	1329	2824	3478	3272	4143	3802	4025	3635	4894	4635	4604
49 1977 Federal Report Surplus Deficit	4292	4631	4176	535	1305	900	1004	1211	280	556	1580	2711	1030	1816
50 1978 Federal Report Surplus Deficit	3019	2430	461	-220	1097	2070	2106	2960	3104	4104	3316	4521	4184	4270
51 1979 Federal Report Surplus Deficit	3239	2740	2535	568	1825	1172	1151	2496	3134	1740	3164	4767	3979	1510
52 1980 Federal Report Surplus Deficit	2569	2448	1042	51.7	1224	868	1674	1149	1160	2729	3399	4874	4635	3813
53 1981 Federal Report Surplus Deficit	2872	2764	1001	-62.6	1856	2781	2772	3871	2919	931	2798	4612	4885	4458
54 1982 Federal Report Surplus Deficit	4122	4462	1502	147	2171	1938	2683	4131	3870	4093	3624	4729	4852	5132
55 1983 Federal Report Surplus Deficit	4127	4589	2753	1191	2213	2333	2967	4155	3988	3591	3429	4674	4602	4572
56 1984 Federal Report Surplus Deficit	3995	4246	1928	337	2896	2535	2701	3894	4186	4201	3861	4766	4897	4432
57 1985 Federal Report Surplus Deficit	3952	3305	1904	362	2125	1936	1863	2275	2390	3222	3571	4761	3823	2886
58 1986 Federal Report Surplus Deficit	1664	2247	871	694	2488	2071	2420	4017	4332	4175	3853	4592	4539	3848
59 1987 Federal Report Surplus Deficit	3409	2619	829	-53.0	1964	2011	1282	1810	2746	1100	2900	4713	3802	1868
60 1988 Federal Report Surplus Deficit	2289	2261	616	-117	1017	852	721	26.1	1258	1054	2664	4284	3020	3433
61 1989 Federal Report Surplus Deficit	3076	2635	860	-64.3	1423	1638	978	47.3	2894	2852	3917	4674	4049	3251
62 1990 Federal Report Surplus Deficit	2404	2572	822	49.7	1919	2212	1942	3858	3946	2624	3706	4614	4676	4227
63 1991 Federal Report Surplus Deficit	4060	3852	971	-16.3	2790	2658	2824	3672	3836	3451	3121	4735	4553	4586
64 1992 Federal Report Surplus Deficit	4147	4046	1009	-9.74	1047	864	1139	2095	2701	566	2057	4244	2367	2441
65 1993 Federal Report Surplus Deficit	2602	2283	526	-129	1499	1213	375	177	2390	2079	3041	4745	4329	3476
66 1994 Federal Report Surplus Deficit	3042	2980	1035	88.1	1613	1316	662	787	1744	901	2693	4367	3772	2988
67 1995 Federal Report Surplus Deficit	3026	2451	778	-131	679	1347	1656	2588	2899	3360	2973	4712	4676	4121
68 1996 Federal Report Surplus Deficit	3062	2906	1443	1170	2868	3607	3208	4255	3938	4111	4083	4812	4636	4550
69 1997 Federal Report Surplus Deficit	4078	4060	1425	181	2014	2609	3353	4016	3770	3812	3982	4808	4888	4668
70 1998 Federal Report Surplus Deficit	3975	4487	2709	2933	2740	1964	1797	3111	2756	2445	3440	4793	4820	4198
71 1999 Federal Report Surplus Deficit	4059	3454	1020	89.6	789	2502	3209	3877	3799	3283	3760	4776	4875	4731
72 2000 Federal Report Surplus Deficit	4329	4614	1895	202	2862	2844	2343	3271	3728	4060	3841	4767	3698	4056
73 2001 Federal Report Surplus Deficit	3879	2470	718	73.9	1118	1029	905	1040	831	587	1796	3835	688	2236
74 2002 Federal Report Surplus Deficit	3172	2431	620	-247	1159	1458	847	1042	2013	2487	3645	4665	4726	4400
75 2003 Federal Report Surplus Deficit	3243	3337	942	112	1512	1230	748	765	3431	2545	3129	4579	4701	2886
76 2004 Federal Report Surplus Deficit	2003	2380	668	-90.4	2081	1957	1184	522	2270	1959	3001	4629	3981	3550
77 2005 Federal Report Surplus Deficit	1935	2764	1304	484	1832	2153	1652	2792	1617	1017	2538	4501	4047	3335

**Federal Report Surplus Deficit By Water Year**

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	3227	2714	843	62.6	2020	1911	2541	3829	3715	4072	3937	4762	4733	4049
79 2007 Federal Report Surplus Deficit	2842	2512	693	-51.6	1986	1970	2318	2640	4114	3695	3139	4732	4128	4212
80 2008 Federal Report Surplus Deficit	2874	2409	625	25.8	1949	1360	1280	1563	2228	2160	1396	4700	5085	4316
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>1986</b>	<b>2397</b>	<b>810</b>	<b>95.3</b>	<b>1300</b>	<b>1592</b>	<b>1669</b>	<b>2118</b>	<b>2518</b>	<b>2114</b>	<b>3063</b>	<b>4548</b>	<b>3852</b>	<b>3744</b>
82 <b>Middle 80 pct</b>	<b>3477</b>	<b>3187</b>	<b>1183</b>	<b>299</b>	<b>1714</b>	<b>1982</b>	<b>2021</b>	<b>2676</b>	<b>2993</b>	<b>2838</b>	<b>3170</b>	<b>4634</b>	<b>4355</b>	<b>3844</b>
83 <b>Top 10 pct</b>	<b>4186</b>	<b>4476</b>	<b>2612</b>	<b>728</b>	<b>2113</b>	<b>1959</b>	<b>1979</b>	<b>2755</b>	<b>2479</b>	<b>2367</b>	<b>2885</b>	<b>4363</b>	<b>3547</b>	<b>3753</b>

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	3325	3525	990	-141	1028	859	951	1093	953	730	2405	3696	4137	314
2 1930 Federal Report Surplus Deficit	2661	2593	924	-93.5	1268	933	490	1226	964	1506	2641	3130	2456	2863
3 1931 Federal Report Surplus Deficit	2947	2638	693	-208	1393	1015	285	285	1924	1428	-315	3885	2219	2893
4 1932 Federal Report Surplus Deficit	3271	2605	742	-438	547	939	605	-376	2894	3972	3645	4668	5397	3947
5 1933 Federal Report Surplus Deficit	3439	3358	1346	-110	850	2113	2563	3621	3675	2344	3001	4556	5735	4430
6 1934 Federal Report Surplus Deficit	3927	4152	1455	626	2801	3365	3419	4226	3790	3823	3649	4425	4873	3308
7 1935 Federal Report Surplus Deficit	1714	2396	488	-281	109	1194	2446	3271	3699	1251	3104	4450	4594	4075
8 1936 Federal Report Surplus Deficit	3961	2779	825	-225	1049	869	467	976	1378	1559	3511	4669	5299	3274
9 1937 Federal Report Surplus Deficit	2551	2472	748	-135	1430	959	226	537	883	1053	182	4201	3594	1973
10 1938 Federal Report Surplus Deficit	2690	2343	837	-134	1041	1633	2205	3203	3884	3748	3956	4601	5121	4008
11 1939 Federal Report Surplus Deficit	1755	2316	1096	-140	742	838	1709	1882	2275	2516	3544	4566	3565	3232
12 1940 Federal Report Surplus Deficit	2436	2466	784	-133	1652	1716	1294	1821	4109	2753	3291	4516	3942	2585
13 1941 Federal Report Surplus Deficit	2119	2141	710	-368	1337	1396	881	1038	1322	611	1940	4108	3584	2908
14 1942 Federal Report Surplus Deficit	2984	2517	994	-497	2005	2481	2143	2297	1974	1671	3092	4328	4751	4096
15 1943 Federal Report Surplus Deficit	3461	3230	1503	-105	146	1449	2711	3565	3995	4220	4254	4506	5697	4334
16 1944 Federal Report Surplus Deficit	3568	3056	967	-164	1056	834	1089	1174	831	616	2074	2807	1458	1556
17 1945 Federal Report Surplus Deficit	2839	2218	686	-328	1211	868	633	743	879	829	-153	4625	5167	1347
18 1946 Federal Report Surplus Deficit	2313	2516	850	-223	1179	1686	2180	2874	3561	3949	4069	4539	5098	4159
19 1947 Federal Report Surplus Deficit	3888	3985	1382	-183	1941	3022	3114	4031	3922	3403	3301	4601	5131	4028
20 1948 Federal Report Surplus Deficit	3396	2886	1204	2692	2747	2422	3074	3530	3905	2868	3680	4813	5650	4217
21 1949 Federal Report Surplus Deficit	3939	4327	1838	123	1618	1514	1930	2153	4078	3427	3829	4701	5145	1814
22 1950 Federal Report Surplus Deficit	1574	2135	636	-188	651	1709	2918	3957	3853	4154	3651	4623	5719	4861
23 1951 Federal Report Surplus Deficit	3957	4300	1707	892	2834	3103	3420	4469	3902	3975	3694	4549	5174	4266
24 1952 Federal Report Surplus Deficit	3963	3062	1277	2143	2476	2464	2835	3904	4088	4176	4217	4813	5232	4082
25 1953 Federal Report Surplus Deficit	3528	2713	708	-130	1092	896	1217	4156	3215	1709	2954	4607	5763	4386
26 1954 Federal Report Surplus Deficit	3651	3365	1381	67.9	1953	2053	2653	4330	3895	3131	3397	4610	5445	4800
27 1955 Federal Report Surplus Deficit	4082	4469	3726	193	2546	1962	1436	2244	543	1235	2712	4551	5706	4668
28 1956 Federal Report Surplus Deficit	3923	3985	1195	349	2725	3048	3492	4431	3725	3797	3919	4757	5672	4306
29 1957 Federal Report Surplus Deficit	3851	4098	1381	305	1558	2190	2120	1757	4110	3957	3299	4788	5660	3836
30 1958 Federal Report Surplus Deficit	3346	2902	916	-136	1406	1394	2472	3386	3640	2705	3535	4629	5463	3655
31 1959 Federal Report Surplus Deficit	3400	2715	894	69.8	2484	2836	3336	4250	3928	3683	3371	4390	5397	4466
32 1960 Federal Report Surplus Deficit	4047	4380	3904	2906	2815	2660	2470	3123	3718	4188	3614	4526	5295	4102
33 1961 Federal Report Surplus Deficit	3843	2697	969	17.9	1794	1679	2352	3563	4133	3263	3090	4542	5502	3759
34 1962 Federal Report Surplus Deficit	3279	2979	905	-217	1388	1641	2303	3047	1631	4058	3852	4597	5061	3802
35 1963 Federal Report Surplus Deficit	3598	3143	913	621	2550	2703	2571	3351	2828	1643	2874	4608	5005	3974
36 1964 Federal Report Surplus Deficit	3487	2900	1564	-220	1359	1650	1661	1927	1935	3440	2937	4586	5733	4630
37 1965 Federal Report Surplus Deficit	3930	4147	2207	943	2347	3111	3435	4339	3601	2834	3968	4570	5105	4090
38 1966 Federal Report Surplus Deficit	3927	4028	910	161	1789	1800	2072	2695	2318	4041	3318	4266	4883	4085

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	3863	2802	1017	-319	979	2219	3053	4070	3713	2608	1194	4444	5576	4331
40 1968 Federal Report Surplus Deficit	3858	3752	1456	12.0	2143	1790	2502	3816	4001	1276	2576	4134	5194	4140
41 1969 Federal Report Surplus Deficit	3917	3597	2754	1031	2751	2459	3431	4095	3579	3861	3855	4744	5408	4102
42 1970 Federal Report Surplus Deficit	3236	2833	1182	206	1737	1279	2422	3111	2868	2033	2811	4494	5533	2922
43 1971 Federal Report Surplus Deficit	3169	2711	806	-236	945	1924	3413	4143	3981	4085	3604	4707	5682	4443
44 1972 Federal Report Surplus Deficit	3944	4427	1696	350	1797	2085	3361	4117	3769	3982	3456	4633	5568	4527
45 1973 Federal Report Surplus Deficit	4013	4484	1824	248	1918	1816	2271	2242	1540	528	2100	4213	2623	2653
46 1974 Federal Report Surplus Deficit	2743	2368	655	-286	1124	2491	3477	4152	3644	3742	3817	4470	5672	4979
47 1975 Federal Report Surplus Deficit	3948	4486	1751	-222	1029	1396	2537	3372	3978	1718	2752	4595	5647	4571
48 1976 Federal Report Surplus Deficit	3771	3730	1930	1218	2818	3361	3361	4315	3859	3986	3576	4733	5317	4404
49 1977 Federal Report Surplus Deficit	4171	4605	4154	381	1286	747	1187	1319	562	516	1553	2441	1429	1571
50 1978 Federal Report Surplus Deficit	2867	2296	435	-441	1071	1951	2271	3121	3189	4095	3259	4367	4785	4079
51 1979 Federal Report Surplus Deficit	3091	2611	2493	423	1818	1018	1329	2640	3225	1677	3119	4614	4535	1247
52 1980 Federal Report Surplus Deficit	2389	2313	1019	-133	1204	698	1858	1251	1364	2689	3338	4696	5324	3641
53 1981 Federal Report Surplus Deficit	2707	2634	977	-249	1850	2669	2872	4056	3008	877	2761	4460	5583	4246
54 1982 Federal Report Surplus Deficit	4020	4396	1474	-36.1	2171	1816	2809	4303	3926	4077	3557	4567	5570	4986
55 1983 Federal Report Surplus Deficit	4028	4526	2711	1073	2213	2219	3074	4327	4045	3568	3374	4521	5282	4361
56 1984 Federal Report Surplus Deficit	3895	4176	1896	167	2885	2423	2828	4076	4269	4190	3811	4612	5615	4221
57 1985 Federal Report Surplus Deficit	3852	3193	1872	191	2123	1814	2037	2414	2505	3196	3508	4609	4360	2692
58 1986 Federal Report Surplus Deficit	1439	2111	848	550	2490	1954	2569	4198	4389	4161	3797	4440	5199	3676
59 1987 Federal Report Surplus Deficit	3272	2486	806	-259	1958	1891	1464	1934	2844	1043	2864	4561	4357	1628
60 1988 Federal Report Surplus Deficit	2096	2124	593	-307	995	682	846	92.7	1452	998	2630	4099	3484	3257
61 1989 Federal Report Surplus Deficit	2923	2503	838	-265	1406	1508	1138	115	2994	2805	3864	4521	4609	3069
62 1990 Federal Report Surplus Deficit	2220	2438	799	-138	1914	2098	2114	4043	4004	2587	3647	4461	5367	4041
63 1991 Federal Report Surplus Deficit	3959	3759	949	-221	2782	2546	2932	3854	3894	3435	3075	4583	5222	4391
64 1992 Federal Report Surplus Deficit	4044	3962	986	-212	1021	690	1320	2229	2798	525	2028	4061	2809	2234
65 1993 Federal Report Surplus Deficit	2425	2148	503	-314	1486	1062	427	250	2516	2018	3001	4593	4930	3300
66 1994 Federal Report Surplus Deficit	2891	2855	1013	-102	1604	1176	781	878	1900	849	2659	4193	4321	2797
67 1995 Federal Report Surplus Deficit	2867	2317	755	-318	644	1203	1840	2731	2994	3330	2933	4560	5373	3944
68 1996 Federal Report Surplus Deficit	2906	2779	1416	1052	2843	3507	3372	4427	3995	4073	4021	4650	5323	4350
69 1997 Federal Report Surplus Deficit	3978	3977	1398	-2.09	2010	2497	3515	4187	3827	3773	3928	4643	5597	4479
70 1998 Federal Report Surplus Deficit	3876	4423	2666	2863	2738	1842	1979	3276	2856	2391	3387	4633	5510	4015
71 1999 Federal Report Surplus Deficit	3958	3345	997	-111	753	2390	3365	4050	3856	3266	3697	4624	5592	4541
72 2000 Federal Report Surplus Deficit	4212	4551	1862	21.6	2847	2732	2492	3439	3806	4051	3786	4614	4215	3876
73 2001 Federal Report Surplus Deficit	3772	2335	694	-116	1094	874	1079	1140	1060	542	1769	3622	1084	2013
74 2002 Federal Report Surplus Deficit	3023	2296	594	-467	1136	1318	993	1142	2153	2439	3581	4512	5432	4188
75 2003 Federal Report Surplus Deficit	3097	3224	919	-65.8	1498	1080	877	856	3513	2493	3079	4426	5391	2692
76 2004 Federal Report Surplus Deficit	1792	2244	644	-276	2081	1837	1362	604	2392	1897	2961	4473	4563	3375
77 2005 Federal Report Surplus Deficit	1726	2637	1277	333	1826	2037	1829	2950	1778	957	2503	4350	4637	3155

**Federal Report Surplus Deficit By Water Year**

**Operating Year 2024**

**2017 White Book** Report Date: **6/1/2017** *Continued*

S149-WB-20171215-145200

1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	3079	2583	820	-127	2017	1789	2673	4009	3793	4064	3902	4602	5435	3875
79 2007 Federal Report Surplus Deficit	2674	2377	668	-254	1983	1849	2466	2792	4173	3671	3092	4580	4714	4027
80 2008 Federal Report Surplus Deficit	2708	2272	599	-148	1945	1216	1461	1680	2357	2100	1367	4546	5775	4122
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>1777</b>	<b>2263</b>	<b>787</b>	<b>-84.6</b>	<b>1279</b>	<b>1456</b>	<b>1820</b>	<b>2249</b>	<b>2645</b>	<b>2068</b>	<b>3016</b>	<b>4389</b>	<b>4418</b>	<b>3567</b>
82 <b>Middle 80 pct</b>	<b>3346</b>	<b>3074</b>	<b>1157</b>	<b>124</b>	<b>1700</b>	<b>1854</b>	<b>2165</b>	<b>2823</b>	<b>3097</b>	<b>2800</b>	<b>3122</b>	<b>4472</b>	<b>4997</b>	<b>3645</b>
83 <b>Top 10 pct</b>	<b>4077</b>	<b>4422</b>	<b>2580</b>	<b>572</b>	<b>2102</b>	<b>1830</b>	<b>2132</b>	<b>2903</b>	<b>2617</b>	<b>2336</b>	<b>2841</b>	<b>4187</b>	<b>4116</b>	<b>3556</b>

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**Federal Report Surplus Deficit By Water Year**

**Operating Year 2025**

**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	3258	3480	650	-168	1062	938	898	877	683	676	2321	3780	3430	422
2 1930 Federal Report Surplus Deficit	2630	2578	584	-140	1293	1015	493	1013	694	1466	2558	3248	1832	2841
3 1931 Federal Report Surplus Deficit	2902	2622	353	-257	1411	1085	329	94.6	1745	1388	-388	3956	1603	2869
4 1932 Federal Report Surplus Deficit	3206	2589	401	-463	588	1014	619	-549	2761	3874	3588	4701	4510	3915
5 1933 Federal Report Surplus Deficit	3368	3321	1009	-147	888	2152	2524	3325	3584	2292	2928	4584	4835	4423
6 1934 Federal Report Surplus Deficit	3829	4078	1119	536	2828	3404	3351	3930	3701	3746	3596	4453	4039	3271
7 1935 Federal Report Surplus Deficit	1724	2382	148	-325	169	1264	2397	2986	3594	1210	3038	4481	3829	4055
8 1936 Federal Report Surplus Deficit	3863	2760	485	-256	1081	947	520	763	1149	1519	3462	4708	4425	3238
9 1937 Federal Report Surplus Deficit	2525	2459	408	-175	1451	1032	256	337	599	1006	108	4254	2930	1988
10 1938 Federal Report Surplus Deficit	2653	2330	497	-168	1075	1684	2135	2920	3794	3659	3894	4632	4274	3980
11 1939 Federal Report Surplus Deficit	1770	2306	757	-178	784	927	1624	1641	2105	2469	3492	4597	2893	3199
12 1940 Federal Report Surplus Deficit	2415	2452	444	-184	1666	1760	1212	1585	4001	2693	3228	4549	3233	2573
13 1941 Federal Report Surplus Deficit	2116	2132	369	-402	1357	1454	848	823	1093	555	1853	4149	2902	2881
14 1942 Federal Report Surplus Deficit	2931	2501	656	-522	2015	2516	2072	2042	1798	1630	3024	4360	3944	4097
15 1943 Federal Report Surplus Deficit	3382	3192	1170	-151	207	1508	2677	3280	3904	4130	4176	4534	4783	4335
16 1944 Federal Report Surplus Deficit	3486	3027	627	-187	1089	918	1018	955	550	559	1987	2944	860	1592
17 1945 Federal Report Surplus Deficit	2793	2207	346	-358	1238	938	650	545	591	775	-222	4653	4309	1394
18 1946 Federal Report Surplus Deficit	2302	2503	510	-247	1210	1736	2107	2602	3454	3852	3992	4570	4260	4151
19 1947 Federal Report Surplus Deficit	3791	3921	1046	-199	1953	3062	3117	3729	3832	3331	3245	4633	4274	4015
20 1948 Federal Report Surplus Deficit	3321	2864	866	2535	2757	2457	3072	3239	3799	2814	3631	4845	4778	4219
21 1949 Federal Report Surplus Deficit	3843	4246	1507	65.3	1637	1569	1857	1906	3988	3342	3771	4738	4300	1833
22 1950 Federal Report Surplus Deficit	1591	2124	299	-213	696	1754	2905	3662	3763	4059	3599	4651	4812	4813
23 1951 Federal Report Surplus Deficit	3860	4220	1374	791	2848	3142	3289	4072	3778	3898	3642	4582	4325	4265
24 1952 Federal Report Surplus Deficit	3865	3036	940	1997	2481	2500	2819	3609	3981	4082	4132	4844	4370	4060
25 1953 Federal Report Surplus Deficit	3444	2695	369	-158	1122	973	1157	3855	3097	1668	2880	4634	4857	4386
26 1954 Federal Report Surplus Deficit	3562	3322	1045	15.5	1965	2093	2616	4025	3805	3064	3340	4640	4543	4761
27 1955 Federal Report Surplus Deficit	3999	4349	3408	133	2552	2001	1355	1991	239	1195	2633	4582	4819	4654
28 1956 Federal Report Surplus Deficit	3826	3922	857	277	2733	3087	3423	4136	3636	3720	3845	4789	4783	4304
29 1957 Federal Report Surplus Deficit	3752	4025	1045	237	1579	2227	2057	1522	4003	3865	3238	4817	4761	3800
30 1958 Federal Report Surplus Deficit	3280	2880	576	-170	1430	1455	2420	3106	3534	2640	3482	4666	4554	3617
31 1959 Federal Report Surplus Deficit	3328	2697	554	18.4	2489	2874	3346	3945	3838	3596	3311	4418	4493	4457
32 1960 Federal Report Surplus Deficit	3950	4301	3574	2762	2844	2697	2439	2843	3613	4099	3557	4560	4422	4087
33 1961 Federal Report Surplus Deficit	3749	2679	630	-33.0	1809	1728	2302	3277	4043	3184	3018	4573	4595	3724
34 1962 Federal Report Surplus Deficit	3210	2954	565	-239	1412	1692	2241	2769	1424	3961	3781	4625	4227	3765
35 1963 Federal Report Surplus Deficit	3512	3112	573	532	2556	2739	2548	3069	2703	1602	2800	4636	4186	3953
36 1964 Federal Report Surplus Deficit	3406	2877	1231	-247	1384	1699	1576	1684	1751	3359	2856	4614	4882	4606
37 1965 Federal Report Surplus Deficit	3833	4072	1882	838	2353	3151	3329	3999	3512	2776	3900	4604	4234	4072
38 1966 Federal Report Surplus Deficit	3827	3960	571	88.9	1803	1843	1996	2428	2159	3946	3247	4316	4078	4066

**Federal Report Surplus Deficit By Water Year**

**Operating Year 2025**

**2017 White Book** Report Date: 6/1/2017 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	3767	2782	678	-351	1015	2256	3050	3767	3623	2555	1108	4472	4701	4333
40 1968 Federal Report Surplus Deficit	3762	3698	1122	-48.0	2151	1832	2453	3520	3890	1234	2492	4188	4304	4134
41 1969 Federal Report Surplus Deficit	3818	3544	2436	917	2761	2494	3362	3800	3489	3784	3771	4782	4524	4087
42 1970 Federal Report Surplus Deficit	3173	2811	842	144	1753	1344	2365	2832	2743	1990	2733	4522	4625	2898
43 1971 Federal Report Surplus Deficit	3112	2693	466	-271	982	1966	3344	3848	3892	3997	3557	4740	4818	4433
44 1972 Federal Report Surplus Deficit	3846	4344	1362	279	1812	2125	3324	3821	3680	3905	3403	4658	4682	4514
45 1973 Federal Report Surplus Deficit	3922	4378	1493	180	1931	1862	2206	1990	1328	467	2013	4265	1993	2635
46 1974 Federal Report Surplus Deficit	2707	2354	314	-322	1157	2527	3410	3858	3555	3665	3744	4496	4775	4904
47 1975 Federal Report Surplus Deficit	3853	4372	1419	-239	1063	1458	2488	3087	3873	1676	2673	4624	4731	4568
48 1976 Federal Report Surplus Deficit	3676	3675	1601	1101	2832	3402	3372	4020	3770	3909	3519	4769	4437	4394
49 1977 Federal Report Surplus Deficit	4093	4485	3814	308	1313	824	1104	1093	253	453	1465	2587	832	1605
50 1978 Federal Report Surplus Deficit	2820	2284	98.1	-448	1104	1994	2206	2841	3077	4000	3200	4396	3986	4059
51 1979 Federal Report Surplus Deficit	3040	2594	2173	340	1832	1096	1251	2378	3107	1637	3049	4642	3781	1300
52 1980 Federal Report Surplus Deficit	2370	2302	679	-176	1231	792	1774	1031	1133	2626	3284	4750	4438	3603
53 1981 Federal Report Surplus Deficit	2673	2618	639	-290	1863	2705	2872	3753	2892	828	2682	4488	4687	4248
54 1982 Federal Report Surplus Deficit	3922	4316	1140	-80.3	2178	1862	2783	4008	3837	3989	3509	4605	4654	4922
55 1983 Federal Report Surplus Deficit	3928	4443	2391	964	2220	2257	3067	4032	3956	3488	3313	4550	4404	4362
56 1984 Federal Report Surplus Deficit	3796	4100	1565	109	2903	2459	2801	3776	4159	4097	3745	4642	4700	4222
57 1985 Federal Report Surplus Deficit	3753	3159	1542	134	2132	1860	1963	2157	2363	3119	3456	4636	3626	2676
58 1986 Federal Report Surplus Deficit	1465	2101	508	467	2495	1995	2520	3899	4300	4071	3738	4468	4341	3638
59 1987 Federal Report Surplus Deficit	3210	2473	466	-280	1971	1934	1382	1692	2719	997	2784	4589	3604	1658
60 1988 Federal Report Surplus Deficit	2090	2115	253	-344	1024	776	821	-92.0	1231	950	2549	4160	2822	3223
61 1989 Federal Report Surplus Deficit	2877	2489	498	-292	1430	1562	1078	-70.8	2867	2749	3801	4549	3851	3040
62 1990 Federal Report Surplus Deficit	2205	2426	459	-178	1926	2135	2042	3740	3914	2520	3591	4489	4478	4017
63 1991 Federal Report Surplus Deficit	3860	3706	609	-244	2798	2582	2924	3554	3804	3348	3006	4611	4355	4375
64 1992 Federal Report Surplus Deficit	3948	3900	647	-237	1054	788	1239	1977	2674	463	1941	4120	2170	2231
65 1993 Federal Report Surplus Deficit	2403	2137	164	-356	1506	1136	475	59.3	2363	1975	2926	4621	4131	3266
66 1994 Federal Report Surplus Deficit	2843	2834	673	-139	1621	1240	762	669	1717	798	2577	4243	3574	2777
67 1995 Federal Report Surplus Deficit	2827	2305	415	-358	687	1270	1756	2470	2872	3257	2858	4587	4478	3911
68 1996 Federal Report Surplus Deficit	2862	2760	1080	942	2875	3531	3303	4132	3906	3995	3967	4688	4438	4340
69 1997 Federal Report Surplus Deficit	3878	3914	1062	-46.9	2021	2532	3448	3892	3738	3696	3854	4684	4690	4457
70 1998 Federal Report Surplus Deficit	3776	4341	2346	2706	2747	1888	1897	2993	2729	2342	3325	4669	4623	3988
71 1999 Federal Report Surplus Deficit	3860	3308	658	-138	796	2426	3304	3754	3767	3180	3644	4652	4678	4521
72 2000 Federal Report Surplus Deficit	4130	4468	1532	-25.2	2869	2768	2443	3153	3701	3957	3725	4642	3500	3846
73 2001 Federal Report Surplus Deficit	3679	2324	355	-154	1125	953	1006	922	804	484	1681	3711	490	2025
74 2002 Federal Report Surplus Deficit	2973	2285	258	-474	1166	1382	947	924	1986	2383	3530	4541	4528	4190
75 2003 Federal Report Surplus Deficit	3044	3191	579	-116	1519	1154	848	647	3404	2442	3013	4455	4503	2675
76 2004 Federal Report Surplus Deficit	1804	2234	305	-318	2088	1881	1284	404	2243	1855	2886	4505	3783	3339
77 2005 Federal Report Surplus Deficit	1736	2618	941	256	1839	2077	1752	2674	1590	914	2422	4377	3849	3124

**Federal Report Surplus Deficit By Water Year**

**Operating Year 2025**

**2017 White Book** Report Date: **6/1/2017** *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	3028	2568	480	-165	2027	1834	2641	3711	3688	3969	3821	4638	4535	3839
79 2007 Federal Report Surplus Deficit	2643	2366	331	-279	1994	1893	2419	2522	4082	3591	3024	4608	3930	4002
80 2008 Federal Report Surplus Deficit	2675	2263	262	-202	1956	1284	1380	1445	2200	2056	1281	4576	4887	4106
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>1787</b>	<b>2251</b>	<b>448</b>	<b>-132</b>	<b>1307</b>	<b>1516</b>	<b>1769</b>	<b>2000</b>	<b>2490</b>	<b>2011</b>	<b>2947</b>	<b>4423</b>	<b>3654</b>	<b>3534</b>
82 <b>Middle 80 pct</b>	<b>3277</b>	<b>3041</b>	<b>821</b>	<b>71.4</b>	<b>1721</b>	<b>1906</b>	<b>2120</b>	<b>2557</b>	<b>2964</b>	<b>2733</b>	<b>3054</b>	<b>4510</b>	<b>4158</b>	<b>3634</b>
83 <b>Top 10 pct</b>	<b>3987</b>	<b>4330</b>	<b>2250</b>	<b>500</b>	<b>2120</b>	<b>1882</b>	<b>2079</b>	<b>2636</b>	<b>2450</b>	<b>2264</b>	<b>2770</b>	<b>4239</b>	<b>3349</b>	<b>3543</b>

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**Federal Report Surplus Deficit By Water Year**

**Operating Year 2026**

**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	3113	3419	767	-223	988	1093	902	836	851	657	2346	3861	4160	313
2 1930 Federal Report Surplus Deficit	2449	2487	701	-176	1227	1167	441	969	862	1433	2581	3296	2479	2862
3 1931 Federal Report Surplus Deficit	2735	2532	470	-290	1352	1249	236	28.5	1821	1355	-375	4051	2242	2892
4 1932 Federal Report Surplus Deficit	3059	2499	518	-520	506	1173	555	-633	2791	3899	3585	4833	5419	3946
5 1933 Federal Report Surplus Deficit	3227	3252	1122	-193	809	2347	2513	3364	3585	2271	2941	4722	5758	4429
6 1934 Federal Report Surplus Deficit	3715	4046	1232	544	2760	3599	3381	3979	3700	3762	3590	4591	4895	3307
7 1935 Federal Report Surplus Deficit	1502	2289	265	-364	68.4	1428	2396	3014	3597	1178	3044	4616	4617	4074
8 1936 Federal Report Surplus Deficit	3749	2672	601	-307	1008	1103	417	719	1276	1485	3451	4835	5322	3272
9 1937 Federal Report Surplus Deficit	2339	2365	525	-218	1389	1193	176	280	781	980	122	4367	3617	1972
10 1938 Federal Report Surplus Deficit	2478	2236	613	-217	1001	1867	2156	2946	3794	3675	3897	4767	5144	4007
11 1939 Federal Report Surplus Deficit	1543	2209	873	-223	701	1073	1659	1625	2172	2443	3484	4732	3588	3231
12 1940 Federal Report Surplus Deficit	2224	2359	561	-216	1612	1950	1245	1564	4007	2679	3231	4682	3965	2584
13 1941 Federal Report Surplus Deficit	1907	2035	486	-451	1296	1630	831	781	1220	538	1881	4273	3607	2907
14 1942 Federal Report Surplus Deficit	2772	2410	771	-579	1964	2715	2093	2040	1872	1598	3032	4494	4774	4095
15 1943 Federal Report Surplus Deficit	3249	3123	1279	-188	105	1683	2661	3308	3905	4147	4194	4672	5720	4333
16 1944 Federal Report Surplus Deficit	3357	2950	744	-247	1015	1068	1040	917	728	543	2014	2973	1481	1555
17 1945 Federal Report Surplus Deficit	2627	2111	463	-411	1170	1102	583	486	776	756	-212	4791	5189	1346
18 1946 Federal Report Surplus Deficit	2101	2409	627	-306	1139	1920	2131	2617	3459	3876	4009	4705	5121	4158
19 1947 Federal Report Surplus Deficit	3676	3878	1158	-265	1900	3257	3064	3774	3832	3330	3242	4767	5154	4027
20 1948 Federal Report Surplus Deficit	3184	2780	981	2609	2706	2656	3024	3273	3803	2795	3620	4979	5673	4216
21 1949 Federal Report Surplus Deficit	3727	4220	1614	40.2	1577	1748	1880	1896	3987	3354	3770	4867	5168	1813
22 1950 Federal Report Surplus Deficit	1362	2028	412	-270	610	1944	2868	3711	3763	4081	3591	4789	5741	4860
23 1951 Federal Report Surplus Deficit	3745	4194	1483	810	2793	3337	3382	4222	3812	3914	3634	4715	5197	4265
24 1952 Federal Report Surplus Deficit	3751	2956	1053	2060	2435	2698	2785	3647	3986	4103	4157	4978	5255	4081
25 1953 Federal Report Surplus Deficit	3316	2607	484	-212	1051	1130	1167	3899	3112	1636	2895	4772	5786	4385
26 1954 Federal Report Surplus Deficit	3439	3259	1158	-14.8	1912	2287	2603	4073	3805	3058	3337	4776	5468	4799
27 1955 Federal Report Surplus Deficit	3870	4362	3503	110	2506	2196	1386	1987	440	1162	2652	4717	5728	4667
28 1956 Federal Report Surplus Deficit	3711	3879	972	266	2685	3282	3453	4185	3634	3736	3871	4923	5695	4305
29 1957 Federal Report Surplus Deficit	3639	3991	1158	222	1517	2424	2071	1500	4008	3884	3239	4954	5683	3835
30 1958 Federal Report Surplus Deficit	3134	2796	693	-219	1365	1628	2422	3129	3538	2632	3475	4795	5486	3654
31 1959 Federal Report Surplus Deficit	3188	2609	671	-12.9	2443	3070	3286	3993	3838	3610	3311	4556	5420	4465
32 1960 Federal Report Surplus Deficit	3835	4273	3680	2823	2774	2894	2420	2866	3616	4115	3555	4692	5318	4101
33 1961 Federal Report Surplus Deficit	3631	2590	746	-64.8	1753	1913	2302	3306	4043	3190	3030	4708	5525	3758
34 1962 Federal Report Surplus Deficit	3068	2873	681	-300	1347	1875	2253	2790	1529	3985	3792	4763	5084	3801
35 1963 Federal Report Surplus Deficit	3386	3036	690	538	2510	2937	2521	3094	2725	1570	2815	4774	5028	3972
36 1964 Federal Report Surplus Deficit	3275	2794	1341	-303	1318	1884	1611	1670	1833	3367	2878	4752	5756	4629
37 1965 Federal Report Surplus Deficit	3718	4040	1984	861	2306	3345	3397	4093	3511	2761	3908	4736	5128	4089
38 1966 Federal Report Surplus Deficit	3715	3922	687	78.2	1749	2034	2023	2438	2216	3968	3258	4432	4906	4084

**Federal Report Surplus Deficit By Water Year**

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	3651	2696	794	-402	939	2453	3004	3813	3623	2535	1134	4610	5599	4330
40 1968 Federal Report Surplus Deficit	3647	3645	1233	-70.7	2102	2024	2452	3559	3899	1203	2516	4300	5217	4139
41 1969 Federal Report Surplus Deficit	3705	3491	2530	948	2711	2693	3393	3849	3489	3800	3795	4910	5431	4101
42 1970 Federal Report Surplus Deficit	3024	2726	958	124	1696	1513	2373	2854	2766	1960	2751	4660	5556	2921
43 1971 Federal Report Surplus Deficit	2958	2604	583	-318	904	2158	3375	3896	3890	4012	3545	4873	5705	4442
44 1972 Federal Report Surplus Deficit	3732	4320	1472	267	1756	2319	3311	3871	3678	3921	3396	4803	5591	4526
45 1973 Federal Report Surplus Deficit	3802	4377	1600	165	1878	2050	2222	1985	1438	455	2040	4378	2646	2652
46 1974 Federal Report Surplus Deficit	2531	2261	431	-369	1083	2725	3439	3906	3554	3681	3770	4640	5694	4978
47 1975 Federal Report Surplus Deficit	3736	4379	1528	-305	988	1630	2487	3115	3876	1645	2692	4761	5670	4570
48 1976 Federal Report Surplus Deficit	3559	3624	1706	1135	2777	3595	3312	4069	3769	3925	3517	4899	5340	4403
49 1977 Federal Report Surplus Deficit	3959	4498	3931	299	1245	981	1137	1062	460	442	1493	2607	1452	1570
50 1978 Federal Report Surplus Deficit	2655	2190	211	-524	1031	2185	2222	2864	3087	4022	3199	4533	4808	4077
51 1979 Federal Report Surplus Deficit	2879	2505	2270	340	1777	1252	1279	2383	3122	1604	3060	4780	4558	1246
52 1980 Federal Report Surplus Deficit	2178	2206	796	-216	1163	932	1809	994	1262	2616	3278	4862	5347	3640
53 1981 Federal Report Surplus Deficit	2495	2528	754	-332	1810	2903	2822	3799	2906	804	2702	4626	5605	4245
54 1982 Federal Report Surplus Deficit	3808	4289	1251	-119	2130	2050	2759	4057	3836	4004	3497	4733	5593	4985
55 1983 Federal Report Surplus Deficit	3816	4419	2487	990	2172	2453	3024	4081	3955	3495	3315	4687	5304	4360
56 1984 Federal Report Surplus Deficit	3683	4069	1672	84.1	2845	2657	2778	3819	4167	4117	3752	4778	5637	4220
57 1985 Federal Report Surplus Deficit	3640	3087	1649	108	2082	2049	1988	2158	2403	3123	3448	4775	4382	2691
58 1986 Federal Report Surplus Deficit	1227	2005	625	467	2449	2188	2519	3941	4299	4088	3737	4606	5222	3675
59 1987 Federal Report Surplus Deficit	3060	2379	583	-342	1918	2125	1414	1677	2742	970	2804	4727	4380	1627
60 1988 Federal Report Surplus Deficit	1884	2017	370	-390	954	917	797	-164	1350	925	2570	4265	3507	3256
61 1989 Federal Report Surplus Deficit	2711	2396	614	-348	1365	1742	1088	-142	2892	2732	3805	4687	4632	3068
62 1990 Federal Report Surplus Deficit	2008	2331	576	-221	1873	2333	2065	3786	3914	2514	3588	4627	5390	4040
63 1991 Federal Report Surplus Deficit	3747	3653	725	-304	2741	2780	2883	3597	3804	3362	3015	4749	5245	4389
64 1992 Federal Report Surplus Deficit	3832	3856	763	-295	980	924	1271	1972	2696	452	1969	4227	2831	2233
65 1993 Federal Report Surplus Deficit	2213	2041	280	-397	1445	1296	377	-7.22	2414	1945	2941	4759	4953	3299
66 1994 Federal Report Surplus Deficit	2679	2748	790	-185	1563	1410	731	621	1798	775	2599	4359	4344	2796
67 1995 Federal Report Surplus Deficit	2655	2211	532	-401	603	1437	1791	2474	2892	3257	2873	4726	5396	3943
68 1996 Federal Report Surplus Deficit	2694	2672	1193	970	2802	3741	3333	4180	3905	4012	3961	4815	5346	4349
69 1997 Federal Report Surplus Deficit	3766	3870	1175	-84.8	1969	2731	3476	3941	3736	3712	3880	4808	5620	4478
70 1998 Federal Report Surplus Deficit	3664	4317	2443	2780	2698	2076	1929	3019	2754	2318	3327	4799	5533	4014
71 1999 Federal Report Surplus Deficit	3746	3238	774	-193	712	2624	3315	3803	3766	3193	3637	4790	5615	4539
72 2000 Federal Report Surplus Deficit	4000	4445	1639	-61.1	2806	2966	2443	3183	3704	3978	3727	4779	4238	3875
73 2001 Federal Report Surplus Deficit	3561	2228	471	-198	1053	1108	1029	883	958	469	1709	3788	1107	2012
74 2002 Federal Report Surplus Deficit	2811	2189	371	-550	1095	1552	943	885	2051	2366	3521	4678	5455	4187
75 2003 Federal Report Surplus Deficit	2885	3117	696	-149	1458	1314	827	599	3411	2420	3020	4592	5413	2691
76 2004 Federal Report Surplus Deficit	1580	2137	421	-359	2040	2071	1312	347	2289	1824	2901	4639	4586	3374
77 2005 Federal Report Surplus Deficit	1514	2531	1053	250	1785	2271	1780	2693	1676	884	2443	4515	4660	3154

**Federal Report Surplus Deficit By Water Year**

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**2017 White Book** Report Date: **6/1/2017** *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	2867	2476	597	-210	1976	2023	2624	3752	3691	3991	3842	4768	5458	3874
79 2007 Federal Report Surplus Deficit	2462	2271	445	-337	1942	2083	2417	2535	4083	3598	3032	4746	4737	4026
80 2008 Federal Report Surplus Deficit	2496	2166	376	-231	1904	1450	1411	1423	2255	2026	1307	4712	5797	4121
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>1565</b>	<b>2156</b>	<b>563</b>	<b>-167</b>	<b>1238</b>	<b>1690</b>	<b>1770</b>	<b>1994</b>	<b>2546</b>	<b>1995</b>	<b>2957</b>	<b>4554</b>	<b>4441</b>	<b>3566</b>
82 <b>Middle 80 pct</b>	<b>3134</b>	<b>2968</b>	<b>934</b>	<b>40.9</b>	<b>1659</b>	<b>2088</b>	<b>2117</b>	<b>2568</b>	<b>3000</b>	<b>2729</b>	<b>3063</b>	<b>4638</b>	<b>5020</b>	<b>3644</b>
83 <b>Top 10 pct</b>	<b>3865</b>	<b>4315</b>	<b>2357</b>	<b>489</b>	<b>2061</b>	<b>2064</b>	<b>2083</b>	<b>2649</b>	<b>2518</b>	<b>2263</b>	<b>2781</b>	<b>4353</b>	<b>4139</b>	<b>3555</b>

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**Federal Report Surplus Deficit By Water Year**

**Operating Year 2027**

**2017 White Book Report Date: 6/1/2017**

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	3136	3422	721	-91.9	1056	867	821	825	665	583	2411	3862	3465	397
2 1930 Federal Report Surplus Deficit	2507	2519	655	-63.8	1287	944	416	961	676	1373	2648	3329	1868	2816
3 1931 Federal Report Surplus Deficit	2779	2564	424	-181	1405	1014	252	43.1	1727	1295	-299	4038	1639	2844
4 1932 Federal Report Surplus Deficit	3083	2531	472	-386	582	943	542	-600	2743	3780	3678	4782	4546	3890
5 1933 Federal Report Surplus Deficit	3246	3263	1080	-70.2	883	2081	2447	3274	3579	2198	3017	4666	4871	4398
6 1934 Federal Report Surplus Deficit	3707	4019	1190	612	2823	3333	3286	3891	3696	3665	3686	4535	4075	3246
7 1935 Federal Report Surplus Deficit	1601	2324	219	-249	164	1193	2320	2934	3576	1116	3128	4562	3864	4030
8 1936 Federal Report Surplus Deficit	3740	2702	556	-180	1075	876	443	711	1131	1426	3552	4789	4461	3213
9 1937 Federal Report Surplus Deficit	2403	2401	479	-99.0	1445	961	179	286	581	913	197	4335	2966	1963
10 1938 Federal Report Surplus Deficit	2530	2272	568	-92.0	1069	1613	2058	2869	3789	3566	3984	4713	4310	3955
11 1939 Federal Report Surplus Deficit	1648	2248	828	-102	778	856	1547	1589	2087	2376	3582	4679	2929	3174
12 1940 Federal Report Surplus Deficit	2292	2394	515	-108	1660	1689	1135	1534	3983	2600	3318	4630	3269	2548
13 1941 Federal Report Surplus Deficit	1993	2073	440	-326	1351	1383	771	772	1075	462	1943	4230	2938	2856
14 1942 Federal Report Surplus Deficit	2808	2443	727	-445	2009	2445	1995	1991	1780	1536	3114	4442	3980	4072
15 1943 Federal Report Surplus Deficit	3259	3134	1240	-75.0	201	1437	2600	3228	3899	4037	4266	4616	4819	4310
16 1944 Federal Report Surplus Deficit	3364	2968	698	-111	1083	847	941	904	532	466	2077	3025	896	1567
17 1945 Federal Report Surplus Deficit	2670	2149	417	-282	1232	868	573	493	573	682	-133	4734	4345	1369
18 1946 Federal Report Surplus Deficit	2179	2444	581	-171	1204	1665	2030	2550	3436	3758	4082	4651	4296	4126
19 1947 Federal Report Surplus Deficit	3668	3863	1117	-123	1947	2991	3040	3677	3827	3237	3335	4715	4309	3990
20 1948 Federal Report Surplus Deficit	3198	2806	937	2611	2751	2386	2995	3187	3781	2721	3721	4926	4814	4194
21 1949 Federal Report Surplus Deficit	3720	4187	1578	142	1631	1498	1780	1854	3983	3249	3861	4819	4335	1808
22 1950 Federal Report Surplus Deficit	1469	2066	370	-136	690	1683	2828	3623	3758	3966	3689	4733	4860	4787
23 1951 Federal Report Surplus Deficit	3737	4162	1445	867	2842	3072	3224	4033	3773	3816	3732	4664	4361	4240
24 1952 Federal Report Surplus Deficit	3742	2977	1011	2073	2476	2429	2742	3558	3963	3988	4222	4926	4406	4035
25 1953 Federal Report Surplus Deficit	3321	2637	440	-81.8	1116	903	1080	3804	3079	1575	2970	4716	4892	4360
26 1954 Federal Report Surplus Deficit	3439	3264	1116	91.8	1959	2022	2539	3974	3800	2971	3430	4722	4578	4736
27 1955 Federal Report Surplus Deficit	3876	4291	3479	209	2546	1930	1278	1939	221	1102	2723	4664	4855	4629
28 1956 Federal Report Surplus Deficit	3704	3864	928	354	2728	3017	3358	4097	3631	3638	3947	4871	4819	4279
29 1957 Federal Report Surplus Deficit	3630	3966	1116	313	1573	2157	1980	1471	3985	3771	3327	4898	4797	3775
30 1958 Federal Report Surplus Deficit	3158	2821	647	-93.4	1424	1384	2343	3055	3516	2547	3571	4747	4590	3591
31 1959 Federal Report Surplus Deficit	3205	2638	625	94.7	2483	2803	3269	3894	3833	3503	3401	4499	4529	4432
32 1960 Federal Report Surplus Deficit	3827	4243	3644	2838	2838	2626	2362	2792	3594	4005	3647	4642	4458	4062
33 1961 Federal Report Surplus Deficit	3626	2621	700	43.4	1803	1657	2225	3225	4038	3091	3107	4654	4631	3699
34 1962 Federal Report Surplus Deficit	3087	2896	636	-163	1406	1621	2164	2718	1406	3868	3871	4706	4263	3740
35 1963 Federal Report Surplus Deficit	3389	3053	644	608	2550	2668	2471	3018	2685	1509	2890	4717	4221	3928
36 1964 Federal Report Surplus Deficit	3283	2818	1302	-170	1378	1628	1499	1633	1733	3266	2946	4695	4917	4581
37 1965 Federal Report Surplus Deficit	3710	4014	1953	914	2347	3080	3265	3960	3507	2682	3990	4686	4270	4046
38 1966 Federal Report Surplus Deficit	3705	3902	642	165	1797	1772	1919	2377	2141	3853	3336	4398	4114	4041

**Federal Report Surplus Deficit By Water Year**

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	3644	2724	749	-275	1009	2185	2973	3715	3618	2462	1198	4553	4737	4308
40 1968 Federal Report Surplus Deficit	3640	3639	1193	28.3	2145	1762	2376	3468	3872	1141	2582	4269	4340	4108
41 1969 Federal Report Surplus Deficit	3696	3486	2507	993	2755	2423	3298	3761	3484	3703	3861	4863	4560	4062
42 1970 Federal Report Surplus Deficit	3050	2753	913	221	1747	1273	2288	2780	2725	1897	2822	4603	4660	2873
43 1971 Federal Report Surplus Deficit	2989	2634	537	-195	976	1895	3279	3809	3887	3904	3647	4821	4854	4408
44 1972 Federal Report Surplus Deficit	3723	4286	1433	355	1806	2054	3260	3782	3675	3824	3493	4746	4717	4488
45 1973 Federal Report Surplus Deficit	3799	4320	1564	256	1925	1791	2129	1938	1310	373	2103	4346	2029	2610
46 1974 Federal Report Surplus Deficit	2584	2296	385	-246	1151	2456	3346	3819	3550	3583	3845	4584	4811	4879
47 1975 Federal Report Surplus Deficit	3730	4314	1490	-163	1057	1388	2411	3036	3855	1583	2763	4706	4767	4543
48 1976 Federal Report Surplus Deficit	3554	3616	1671	1178	2826	3331	3295	3981	3765	3828	3609	4851	4473	4369
49 1977 Federal Report Surplus Deficit	3970	4427	3884	384	1307	753	1027	1041	235	360	1555	2668	868	1580
50 1978 Federal Report Surplus Deficit	2697	2226	169	-371	1098	1923	2129	2790	3059	3907	3290	4478	4022	4034
51 1979 Federal Report Surplus Deficit	2917	2535	2243	417	1826	1025	1174	2326	3089	1544	3138	4724	3817	1274
52 1980 Federal Report Surplus Deficit	2248	2244	750	-99.5	1225	721	1697	980	1115	2533	3374	4831	4473	3578
53 1981 Federal Report Surplus Deficit	2550	2560	710	-214	1857	2634	2795	3701	2873	734	2772	4569	4723	4223
54 1982 Federal Report Surplus Deficit	3800	4257	1211	-3.96	2173	1791	2706	3969	3833	3896	3599	4686	4690	4897
55 1983 Federal Report Surplus Deficit	3806	4385	2462	1040	2215	2186	2990	3993	3951	3394	3403	4631	4440	4337
56 1984 Federal Report Surplus Deficit	3673	4042	1636	186	2897	2388	2724	3725	4141	4004	3835	4723	4735	4197
57 1985 Federal Report Surplus Deficit	3631	3100	1613	211	2126	1789	1886	2105	2345	3026	3545	4718	3661	2650
58 1986 Federal Report Surplus Deficit	1343	2042	579	543	2489	1924	2443	3847	4295	3978	3828	4549	4377	3613
59 1987 Federal Report Surplus Deficit	3087	2415	537	-204	1965	1863	1305	1640	2701	903	2874	4670	3640	1633
60 1988 Federal Report Surplus Deficit	1967	2056	324	-268	1018	705	744	-144	1212	857	2638	4241	2858	3198
61 1989 Federal Report Surplus Deficit	2754	2430	568	-216	1424	1491	1001	-122	2849	2656	3891	4631	3887	3015
62 1990 Federal Report Surplus Deficit	2083	2367	530	-101	1920	2065	1965	3688	3909	2427	3681	4571	4514	3992
63 1991 Federal Report Surplus Deficit	3738	3647	680	-167	2792	2511	2847	3503	3799	3255	3095	4692	4391	4350
64 1992 Federal Report Surplus Deficit	3825	3842	717	-161	1049	717	1162	1925	2656	370	2031	4201	2205	2206
65 1993 Federal Report Surplus Deficit	2280	2079	235	-280	1500	1066	398	7.82	2345	1882	3015	4702	4167	3241
66 1994 Federal Report Surplus Deficit	2720	2776	744	-63.1	1615	1169	685	617	1699	705	2667	4324	3610	2752
67 1995 Federal Report Surplus Deficit	2704	2247	486	-282	681	1200	1679	2418	2854	3164	2948	4669	4514	3886
68 1996 Federal Report Surplus Deficit	2740	2701	1151	1018	2870	3460	3239	4093	3901	3914	4057	4769	4474	4315
69 1997 Federal Report Surplus Deficit	3756	3855	1133	29.5	2016	2462	3383	3853	3733	3615	3956	4765	4726	4432
70 1998 Federal Report Surplus Deficit	3653	4282	2417	2782	2741	1817	1820	2942	2711	2249	3414	4750	4658	3962
71 1999 Federal Report Surplus Deficit	3737	3250	728	-61.6	790	2355	3239	3715	3762	3086	3734	4733	4713	4495
72 2000 Federal Report Surplus Deficit	4007	4409	1603	51.1	2864	2697	2366	3102	3683	3863	3815	4724	3536	3821
73 2001 Federal Report Surplus Deficit	3557	2265	426	-77.3	1120	882	929	870	786	391	1770	3792	526	2000
74 2002 Federal Report Surplus Deficit	2850	2227	328	-398	1160	1311	870	872	1968	2290	3620	4622	4564	4164
75 2003 Federal Report Surplus Deficit	2921	3133	650	-39.3	1513	1083	771	596	3386	2349	3103	4536	4539	2650
76 2004 Federal Report Surplus Deficit	1681	2176	376	-242	2083	1810	1207	352	2225	1762	2976	4586	3819	3314
77 2005 Federal Report Surplus Deficit	1613	2560	1012	332	1833	2006	1675	2623	1572	821	2512	4458	3885	3099

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	2905	2510	551	-88.6	2021	1763	2564	3659	3669	3876	3911	4719	4571	3814
79 2007 Federal Report Surplus Deficit	2520	2308	402	-203	1988	1822	2342	2471	4077	3498	3114	4689	3966	3976
80 2008 Federal Report Surplus Deficit	2552	2204	333	-125	1950	1213	1303	1394	2182	1963	1371	4657	4923	4081
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>1664</b>	<b>2193</b>	<b>519</b>	<b>-55.8</b>	<b>1301</b>	<b>1445</b>	<b>1692</b>	<b>1950</b>	<b>2475</b>	<b>1917</b>	<b>3037</b>	<b>4505</b>	<b>3691</b>	<b>3509</b>
82 <b>Middle 80 pct</b>	<b>3155</b>	<b>2982</b>	<b>892</b>	<b>148</b>	<b>1716</b>	<b>1835</b>	<b>2045</b>	<b>2508</b>	<b>2951</b>	<b>2642</b>	<b>3145</b>	<b>4591</b>	<b>4193</b>	<b>3608</b>
83 <b>Top 10 pct</b>	<b>3864</b>	<b>4272</b>	<b>2321</b>	<b>577</b>	<b>2114</b>	<b>1811</b>	<b>2002</b>	<b>2587</b>	<b>2435</b>	<b>2170</b>	<b>2859</b>	<b>4320</b>	<b>3385</b>	<b>3518</b>

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**Federal Report Surplus Deficit By Water Year**

**Operating Year 2028**

**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	3076	3420	788	-214	1138	808	824	851	843	703	2423	3864	4157	216
2 1930 Federal Report Surplus Deficit	2412	2488	722	-167	1378	882	363	984	854	1478	2658	3298	2476	2764
3 1931 Federal Report Surplus Deficit	2698	2533	491	-281	1503	965	158	43.3	1814	1400	-298	4053	2240	2794
4 1932 Federal Report Surplus Deficit	3022	2500	539	-511	657	888	477	-618	2784	3944	3662	4836	5417	3849
5 1933 Federal Report Surplus Deficit	3189	3253	1143	-183	960	2063	2435	3378	3575	2316	3018	4725	5755	4332
6 1934 Federal Report Surplus Deficit	3677	4047	1253	553	2911	3314	3301	3991	3690	3805	3667	4594	4893	3210
7 1935 Federal Report Surplus Deficit	1465	2290	286	-354	219	1143	2318	3029	3590	1224	3121	4619	4615	3977
8 1936 Federal Report Surplus Deficit	3712	2673	622	-298	1159	819	339	733	1268	1531	3529	4838	5320	3175
9 1937 Federal Report Surplus Deficit	2301	2366	546	-208	1540	908	98.4	295	773	1026	200	4369	3615	1875
10 1938 Federal Report Surplus Deficit	2441	2237	634	-207	1151	1582	2078	2961	3785	3720	3974	4770	5142	3910
11 1939 Federal Report Surplus Deficit	1506	2210	894	-213	852	788	1581	1640	2165	2488	3561	4734	3586	3133
12 1940 Federal Report Surplus Deficit	2187	2360	582	-206	1762	1665	1167	1579	3999	2725	3308	4684	3962	2487
13 1941 Federal Report Surplus Deficit	1870	2035	507	-441	1447	1345	753	796	1212	583	1958	4276	3604	2809
14 1942 Federal Report Surplus Deficit	2735	2411	792	-570	2115	2430	2016	2055	1864	1643	3109	4497	4772	3998
15 1943 Federal Report Surplus Deficit	3212	3124	1300	-178	256	1398	2583	3323	3895	4192	4272	4675	5718	4235
16 1944 Federal Report Surplus Deficit	3319	2951	765	-237	1166	784	962	932	721	588	2091	2976	1478	1458
17 1945 Federal Report Surplus Deficit	2590	2112	484	-401	1321	817	505	501	769	801	-135	4794	5187	1249
18 1946 Federal Report Surplus Deficit	2064	2410	648	-296	1289	1636	2053	2632	3452	3921	4086	4708	5118	4061
19 1947 Federal Report Surplus Deficit	3639	3879	1179	-256	2051	2972	2986	3789	3823	3375	3319	4770	5151	3930
20 1948 Federal Report Surplus Deficit	3147	2781	1002	2619	2857	2371	2946	3288	3795	2841	3697	4981	5671	4119
21 1949 Federal Report Surplus Deficit	3690	4221	1635	50.0	1728	1463	1802	1911	3978	3399	3847	4870	5165	1716
22 1950 Federal Report Surplus Deficit	1325	2029	433	-261	761	1659	2790	3723	3754	4126	3669	4792	5739	4763
23 1951 Federal Report Surplus Deficit	3707	4194	1504	819	2944	3052	3301	4234	3802	3956	3711	4718	5195	4168
24 1952 Federal Report Surplus Deficit	3713	2957	1074	2070	2586	2414	2707	3662	3978	4149	4235	4981	5252	3984
25 1953 Federal Report Surplus Deficit	3279	2608	505	-203	1202	846	1089	3914	3105	1681	2972	4775	5784	4288
26 1954 Federal Report Surplus Deficit	3402	3259	1179	-5.11	2063	2002	2525	4088	3796	3103	3414	4779	5465	4702
27 1955 Federal Report Surplus Deficit	3832	4363	3524	120	2656	1912	1308	2002	433	1207	2729	4720	5726	4570
28 1956 Federal Report Surplus Deficit	3673	3880	993	276	2835	2998	3374	4197	3625	3778	3946	4925	5692	4207
29 1957 Federal Report Surplus Deficit	3602	3992	1179	232	1668	2139	1993	1514	4001	3929	3316	4956	5681	3738
30 1958 Federal Report Surplus Deficit	3097	2797	714	-209	1516	1343	2344	3144	3530	2678	3552	4798	5484	3557
31 1959 Federal Report Surplus Deficit	3150	2610	692	-3.19	2594	2786	3208	4008	3828	3656	3388	4559	5418	4368
32 1960 Federal Report Surplus Deficit	3798	4274	3701	2833	2925	2609	2342	2881	3608	4160	3632	4695	5316	4003
33 1961 Federal Report Surplus Deficit	3593	2591	767	-55.1	1904	1629	2224	3321	4033	3236	3108	4711	5522	3661
34 1962 Federal Report Surplus Deficit	3030	2874	702	-290	1498	1590	2175	2805	1521	4031	3869	4765	5082	3703
35 1963 Federal Report Surplus Deficit	3349	3037	711	548	2660	2653	2443	3109	2718	1615	2892	4776	5025	3875
36 1964 Federal Report Surplus Deficit	3237	2795	1362	-293	1469	1599	1533	1685	1825	3412	2955	4755	5754	4532
37 1965 Federal Report Surplus Deficit	3680	4041	2005	870	2457	3060	3317	4105	3502	2806	3985	4739	5126	3992
38 1966 Federal Report Surplus Deficit	3677	3923	708	87.9	1899	1750	1945	2453	2208	4013	3335	4434	4903	3986

**Federal Report Surplus Deficit By Water Year**

**Operating Year 2028**

**2017 White Book** Report Date: 6/1/2017 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	3613	2697	815	-392	1089	2168	2926	3828	3613	2580	1212	4612	5596	4233
40 1968 Federal Report Surplus Deficit	3609	3646	1254	-61.0	2253	1739	2374	3574	3891	1248	2593	4303	5215	4042
41 1969 Federal Report Surplus Deficit	3668	3492	2551	958	2861	2408	3313	3861	3480	3842	3872	4912	5428	4004
42 1970 Federal Report Surplus Deficit	2987	2727	979	133	1847	1228	2295	2869	2758	2005	2828	4663	5554	2824
43 1971 Federal Report Surplus Deficit	2920	2605	604	-309	1055	1873	3294	3908	3881	4057	3622	4876	5702	4344
44 1972 Federal Report Surplus Deficit	3694	4321	1493	277	1907	2035	3233	3883	3669	3963	3473	4805	5588	4429
45 1973 Federal Report Surplus Deficit	3764	4378	1621	175	2028	1765	2144	2000	1431	500	2118	4381	2643	2555
46 1974 Federal Report Surplus Deficit	2494	2262	452	-359	1234	2441	3359	3918	3545	3723	3844	4642	5692	4881
47 1975 Federal Report Surplus Deficit	3698	4380	1549	-295	1139	1346	2409	3130	3868	1690	2770	4763	5667	4473
48 1976 Federal Report Surplus Deficit	3521	3625	1727	1145	2928	3310	3234	4081	3760	3968	3594	4902	5338	4305
49 1977 Federal Report Surplus Deficit	3921	4499	3952	308	1396	696	1059	1076	452	488	1570	2609	1449	1473
50 1978 Federal Report Surplus Deficit	2617	2190	232	-514	1182	1901	2144	2879	3079	4067	3276	4536	4806	3980
51 1979 Federal Report Surplus Deficit	2842	2506	2291	350	1928	967	1201	2398	3115	1649	3137	4783	4555	1149
52 1980 Federal Report Surplus Deficit	2140	2207	817	-206	1314	648	1731	1009	1255	2661	3355	4865	5345	3543
53 1981 Federal Report Surplus Deficit	2458	2529	775	-322	1960	2619	2745	3814	2898	849	2779	4629	5603	4147
54 1982 Federal Report Surplus Deficit	3771	4290	1272	-109	2281	1766	2681	4069	3827	4049	3575	4735	5591	4888
55 1983 Federal Report Surplus Deficit	3778	4420	2508	1000	2323	2168	2946	4093	3946	3540	3392	4690	5302	4263
56 1984 Federal Report Surplus Deficit	3646	4070	1693	93.8	2996	2373	2701	3834	4160	4162	3829	4781	5635	4123
57 1985 Federal Report Surplus Deficit	3602	3087	1670	118	2233	1764	1910	2172	2395	3168	3526	4777	4380	2594
58 1986 Federal Report Surplus Deficit	1190	2006	646	477	2600	1903	2441	3956	4290	4133	3814	4608	5219	3578
59 1987 Federal Report Surplus Deficit	3022	2380	604	-332	2069	1841	1336	1692	2735	1015	2881	4730	4378	1530
60 1988 Federal Report Surplus Deficit	1846	2018	391	-380	1105	632	719	-149	1342	970	2648	4268	3505	3158
61 1989 Federal Report Surplus Deficit	2674	2397	635	-338	1516	1457	1010	-128	2885	2777	3882	4690	4630	2970
62 1990 Federal Report Surplus Deficit	1970	2332	597	-211	2024	2048	1987	3801	3905	2560	3665	4629	5388	3942
63 1991 Federal Report Surplus Deficit	3709	3654	746	-294	2892	2496	2805	3612	3795	3407	3092	4751	5243	4292
64 1992 Federal Report Surplus Deficit	3794	3856	784	-285	1131	639	1193	1987	2688	498	2046	4229	2829	2135
65 1993 Federal Report Surplus Deficit	2176	2042	301	-387	1596	1012	299	7.66	2407	1990	3018	4762	4951	3202
66 1994 Federal Report Surplus Deficit	2642	2749	811	-175	1714	1126	653	636	1790	821	2676	4361	4342	2698
67 1995 Federal Report Surplus Deficit	2618	2211	553	-391	754	1153	1713	2489	2885	3302	2950	4729	5394	3846
68 1996 Federal Report Surplus Deficit	2657	2673	1214	979	2953	3456	3253	4192	3895	4054	4038	4818	5344	4251
69 1997 Federal Report Surplus Deficit	3729	3871	1196	-75.1	2120	2446	3396	3953	3727	3755	3955	4811	5617	4380
70 1998 Federal Report Surplus Deficit	3626	4318	2464	2790	2849	1792	1851	3034	2747	2364	3405	4802	5531	3916
71 1999 Federal Report Surplus Deficit	3709	3239	795	-184	863	2340	3237	3815	3757	3238	3714	4793	5613	4442
72 2000 Federal Report Surplus Deficit	3962	4446	1660	-51.4	2957	2682	2365	3197	3696	4023	3804	4782	4236	3778
73 2001 Federal Report Surplus Deficit	3523	2229	492	-189	1204	824	951	898	950	514	1786	3790	1105	1915
74 2002 Federal Report Surplus Deficit	2774	2190	392	-540	1246	1268	865	900	2043	2412	3598	4680	5452	4089
75 2003 Federal Report Surplus Deficit	2847	3118	717	-139	1608	1030	749	614	3403	2465	3097	4594	5411	2593
76 2004 Federal Report Surplus Deficit	1543	2138	442	-349	2191	1786	1234	362	2282	1870	2979	4642	4583	3277
77 2005 Federal Report Surplus Deficit	1476	2531	1074	260	1936	1986	1702	2708	1668	929	2521	4518	4657	3057

**Federal Report Surplus Deficit By Water Year**

**Operating Year 2028**

**2017 White Book** Report Date: **6/1/2017** *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	2829	2477	618	-200	2127	1738	2546	3767	3684	4036	3920	4770	5456	3777
79 2007 Federal Report Surplus Deficit	2425	2272	466	-327	2093	1798	2339	2550	4073	3643	3109	4749	4734	3928
80 2008 Federal Report Surplus Deficit	2459	2167	396	-221	2055	1166	1333	1438	2247	2072	1384	4715	5795	4024
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>1527</b>	<b>2157</b>	<b>584</b>	<b>-158</b>	<b>1389</b>	<b>1405</b>	<b>1692</b>	<b>2008</b>	<b>2538</b>	<b>2040</b>	<b>3034</b>	<b>4557</b>	<b>4439</b>	<b>3469</b>
82 <b>Middle 80 pct</b>	<b>3097</b>	<b>2969</b>	<b>955</b>	<b>50.6</b>	<b>1810</b>	<b>1804</b>	<b>2038</b>	<b>2583</b>	<b>2991</b>	<b>2774</b>	<b>3140</b>	<b>4640</b>	<b>5017</b>	<b>3547</b>
83 <b>Top 10 pct</b>	<b>3828</b>	<b>4316</b>	<b>2378</b>	<b>499</b>	<b>2212</b>	<b>1780</b>	<b>2005</b>	<b>2663</b>	<b>2510</b>	<b>2308</b>	<b>2858</b>	<b>4355</b>	<b>4137</b>	<b>3458</b>

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***Exhibit 25***  
***Regional Report Surplus Deficit By Water Year***  
***80 Water Year Regional Surplus/Deficit***

***Monthly 1-Hour Capacity***  
***Operating Year 2019 to 2028***  
***Using 1937-Water Conditions***

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**Regional Report Surplus Deficit By Water Year**

**Operating Year 2019**

**2017 White Book Report Date: 6/1/2017**

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	6334	6328	5799	5526	5071	3797	3480	3896	7091	4743	6251	8208	7708	3784
2 1930 Regional Report Surplus Deficit	4980	4133	5570	5319	5001	3659	2259	4586	6929	5518	6914	7643	4861	6716
3 1931 Regional Report Surplus Deficit	5531	4523	5414	5329	5022	3653	2877	2316	6325	5323	2911	8343	4496	5707
4 1932 Regional Report Surplus Deficit	4666	3966	4957	5062	4463	3674	2016	2440	8753	9630	8602	10158	9403	7706
5 1933 Regional Report Surplus Deficit	6281	5647	6567	5375	4558	5135	6121	7596	8810	7462	7144	9401	9963	8225
6 1934 Regional Report Surplus Deficit	6544	6630	6569	7117	7805	7057	7473	8686	9237	9451	8161	9365	7969	6851
7 1935 Regional Report Surplus Deficit	4604	4036	5048	4982	4361	3767	5946	7198	8945	5707	7467	9465	8615	7889
8 1936 Regional Report Surplus Deficit	6501	5186	5318	5379	4896	3296	2387	3831	7358	6051	8426	10551	9427	7209
9 1937 Regional Report Surplus Deficit	5751	4692	5526	5327	5177	3507	1753	2839	6562	4865	4004	8834	7594	4193
10 1938 Regional Report Surplus Deficit	5603	4404	5547	5373	4942	4805	5717	7309	9107	9343	8994	10020	9130	7863
11 1939 Regional Report Surplus Deficit	4926	4282	5997	5292	4866	3840	4932	5275	8237	7329	8020	10014	7141	6794
12 1940 Regional Report Surplus Deficit	5574	4507	5871	5327	5278	3946	4755	5266	9766	7761	7592	9831	6792	6396
13 1941 Regional Report Surplus Deficit	4252	3211	5355	4879	4820	4346	3407	4272	7182	4194	5413	8470	6317	5353
14 1942 Regional Report Surplus Deficit	4332	3221	5455	4874	5947	5184	5949	6565	8788	5848	7164	9293	8735	7844
15 1943 Regional Report Surplus Deficit	5706	5514	6809	5364	4433	4365	6491	7776	9307	10211	9109	9888	9897	8241
16 1944 Regional Report Surplus Deficit	6540	5687	6070	5322	5152	3957	3723	4439	6818	4418	5577	6704	3781	3817
17 1945 Regional Report Surplus Deficit	4295	2798	4692	4515	4762	3506	2925	3827	6820	4772	1524	9346	8607	4703
18 1946 Regional Report Surplus Deficit	5001	4013	5647	5121	5181	4663	5649	6590	9188	9666	8978	9951	9117	8154
19 1947 Regional Report Surplus Deficit	6520	6074	6671	5311	5365	6861	7125	8478	9278	8791	7884	10025	9163	7840
20 1948 Regional Report Surplus Deficit	6260	5681	6023	9666	7496	5921	7051	7641	9247	8007	8608	10204	9315	8168
21 1949 Regional Report Surplus Deficit	6463	6768	7129	6302	4914	4719	5282	6163	9374	8988	8868	10289	9171	5826
22 1950 Regional Report Surplus Deficit	4813	3735	5731	5052	4800	4246	6988	8138	9331	9870	8458	9565	10012	8756
23 1951 Regional Report Surplus Deficit	6599	6845	7048	7698	8130	7093	7438	9083	9385	9868	8688	9826	9200	8097
24 1952 Regional Report Surplus Deficit	6621	5637	6517	9343	6439	5980	6749	8263	9358	9938	9136	10434	9366	8042
25 1953 Regional Report Surplus Deficit	5942	5247	5408	5363	4616	3541	5203	7643	9189	6260	7097	10012	10039	8457
26 1954 Regional Report Surplus Deficit	6585	6128	6584	6193	5306	5501	6909	8567	9084	8521	8149	9901	9356	8587
27 1955 Regional Report Surplus Deficit	6575	6969	9440	6405	6535	5243	4817	5396	6651	5587	6310	9273	9929	8525
28 1956 Regional Report Surplus Deficit	6511	6343	6318	6728	7325	6886	7486	8648	8895	9390	8403	10125	9808	8371
29 1957 Regional Report Surplus Deficit	6661	6700	6678	6721	4941	5703	5684	6215	9567	9872	7800	10525	9885	7746
30 1958 Regional Report Surplus Deficit	6056	5338	6002	5153	5049	4115	6261	7509	9313	7853	8640	10150	9588	7487
31 1959 Regional Report Surplus Deficit	6325	5135	5632	5777	6268	6521	7465	8654	9247	9394	7879	9716	9333	8200
32 1960 Regional Report Surplus Deficit	6570	6836	9729	10188	7894	6215	6151	7296	9561	10179	8435	9675	9286	7828
33 1961 Regional Report Surplus Deficit	6401	5158	5694	5967	5093	4934	5993	8120	9440	8550	7403	9710	9046	7324
34 1962 Regional Report Surplus Deficit	6165	4800	5763	4870	5052	4546	5821	7191	7932	9923	8646	9976	8923	7597
35 1963 Regional Report Surplus Deficit	6181	5733	5799	7215	6583	6315	6315	7687	8920	6126	7001	10306	9054	7719
36 1964 Regional Report Surplus Deficit	5888	5271	6749	5162	4811	4946	4940	5766	8095	8972	6965	9642	9991	8489
37 1965 Regional Report Surplus Deficit	6556	6670	7588	7582	5991	6925	7328	8827	8906	7978	8979	9829	9141	7981
38 1966 Regional Report Surplus Deficit	6684	6783	6015	6531	5114	5178	5621	6570	8476	9840	7899	9054	8705	7766

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2019**

**2017 White Book** Report Date: 6/1/2017 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	6341	5114	5827	5174	4777	5469	7122	8359	9000	7568	4234	9554	9658	8235
40 1968 Regional Report Surplus Deficit	6565	6340	6531	6229	5600	5193	6830	8166	9598	5363	6136	8980	9241	7903
41 1969 Regional Report Surplus Deficit	6481	6173	8241	7891	7576	5967	7251	8376	8796	9834	8656	10274	9518	7999
42 1970 Regional Report Surplus Deficit	6077	5242	6107	6175	5340	4393	6169	7133	9210	6588	6642	9958	9712	6968
43 1971 Regional Report Surplus Deficit	6088	4901	5683	5150	5098	4866	7325	8574	9489	9774	8422	10109	10016	8630
44 1972 Regional Report Surplus Deficit	6722	7053	7116	6903	5314	5563	7242	8437	9340	9996	8234	10077	9444	8388
45 1973 Regional Report Surplus Deficit	6587	6988	7294	6670	5400	5274	6010	5587	7770	4249	5329	8593	5464	5814
46 1974 Regional Report Surplus Deficit	4503	3338	5412	5280	4932	5880	7586	8589	9008	9436	8377	9438	9702	8845
47 1975 Regional Report Surplus Deficit	6660	7022	7001	5173	5206	4380	6260	7617	9396	6190	6525	9866	10007	8726
48 1976 Regional Report Surplus Deficit	6662	6733	7332	8212	7953	7326	7634	8720	9272	9728	8347	10149	9498	8302
49 1977 Regional Report Surplus Deficit	6781	7232	10230	6817	5295	3786	3584	4688	7088	3789	4650	6085	3224	3821
50 1978 Regional Report Surplus Deficit	4072	2785	4661	3860	4836	5037	5859	7081	8992	9636	8093	10097	8652	7976
51 1979 Regional Report Surplus Deficit	5946	4981	8559	6821	5275	4138	4943	4956	9442	5661	7181	10355	8474	4233
52 1980 Regional Report Surplus Deficit	4903	4204	5882	5261	4878	3634	4818	5152	7787	7586	8285	10564	9404	7599
53 1981 Regional Report Surplus Deficit	4836	4521	5966	5110	4960	6318	7062	8658	8984	4567	6856	9279	9176	7936
54 1982 Regional Report Surplus Deficit	6489	6653	6364	5860	5604	5184	6757	8735	9433	9874	8124	9761	9942	8823
55 1983 Regional Report Surplus Deficit	6691	7024	8296	8008	5823	5723	7251	8658	9590	9312	7776	9800	9484	8344
56 1984 Regional Report Surplus Deficit	6667	6640	7294	6461	8214	5984	6902	8657	10075	10031	8525	10031	9922	8223
57 1985 Regional Report Surplus Deficit	6735	6043	7262	6575	5807	5246	5396	6264	8339	8810	8230	9951	8128	6518
58 1986 Regional Report Surplus Deficit	4844	3480	6072	5226	7643	5217	6633	8791	10145	9838	8586	9726	8989	7645
59 1987 Regional Report Surplus Deficit	5787	4606	5689	4820	5408	5314	5154	4777	9014	5199	6655	9701	7746	5150
60 1988 Regional Report Surplus Deficit	4645	3437	5170	5061	4615	3526	3325	2873	7281	5071	6637	9292	6722	6833
61 1989 Regional Report Surplus Deficit	5263	4485	5336	4918	5312	4266	3897	4001	8919	7858	8484	9851	8563	6251
62 1990 Regional Report Surplus Deficit	5009	4358	5606	5370	5363	5247	6246	7762	9182	7583	8654	9407	9310	7829
63 1991 Regional Report Surplus Deficit	6495	6404	5846	5052	7897	5924	6834	8211	8999	8731	7079	9654	9120	8019
64 1992 Regional Report Surplus Deficit	6507	6492	5779	5605	4989	3597	4318	5145	8730	4153	4929	8145	4825	4239
65 1993 Regional Report Surplus Deficit	4084	2918	4725	4699	5199	3831	2890	2339	8119	6120	7162	9683	9045	6998
66 1994 Regional Report Surplus Deficit	5553	4744	5820	5355	5393	4003	2636	3481	6902	4727	6341	9257	7907	6535
67 1995 Regional Report Surplus Deficit	4865	3472	5368	5118	4446	3953	5208	7140	9461	6487	6577	10137	9566	7809
68 1996 Regional Report Surplus Deficit	5997	4985	6463	7281	7963	7223	7444	9139	9604	10038	9226	10213	9438	8176
69 1997 Regional Report Surplus Deficit	6598	6561	6542	6003	5365	6044	7518	8580	9304	9682	8710	9908	9300	8391
70 1998 Regional Report Surplus Deficit	6649	7063	8352	9958	7365	5322	5940	7058	9162	7163	7690	10219	9807	8068
71 1999 Regional Report Surplus Deficit	6615	5524	5788	5502	4641	5859	7311	8382	9236	8724	8560	9844	9903	8515
72 2000 Regional Report Surplus Deficit	6917	7307	7264	6070	7853	6382	6367	7583	9535	10036	8808	9970	8293	7620
73 2001 Regional Report Surplus Deficit	6418	4515	5364	5359	4853	3791	3345	4248	7157	4131	5143	7599	2850	4408
74 2002 Regional Report Surplus Deficit	4390	2870	4480	3797	4850	3953	3667	4396	8033	7383	8347	9597	9353	7961
75 2003 Regional Report Surplus Deficit	6115	5290	5702	5417	5282	3866	3641	3805	9283	7303	7275	9537	9249	6435
76 2004 Regional Report Surplus Deficit	4795	3346	5316	5048	5730	4418	4558	4303	8623	6070	6772	9615	8123	6987
77 2005 Regional Report Surplus Deficit	5247	4787	7142	6366	4771	5007	5228	6436	7520	4207	6174	9718	8413	7352



**Regional Report Surplus Deficit By Water Year**

**Operating Year 2019**

**2017 White Book** Report Date: **6/1/2017** *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	5569	3784	5617	4525	5121	4985	6527	8399	9263	9837	8609	10114	9617	7694
79 2007 Regional Report Surplus Deficit	5394	4332	5428	5433	5603	4547	6000	6953	9625	9016	7344	9693	8649	7862
80 2008 Regional Report Surplus Deficit	5728	4077	5400	5343	5498	3588	4262	5216	8144	6745	4601	9764	10108	8103
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>4317</b>	<b>3147</b>	<b>4979</b>	<b>4611</b>	<b>4963</b>	<b>4438</b>	<b>4779</b>	<b>5534</b>	<b>8236</b>	<b>6637</b>	<b>6693</b>	<b>9423</b>	<b>8628</b>	<b>7196</b>
82 <b>Middle 80 pct</b>	<b>5948</b>	<b>5288</b>	<b>6241</b>	<b>5956</b>	<b>5585</b>	<b>4939</b>	<b>5581</b>	<b>6627</b>	<b>8730</b>	<b>7588</b>	<b>7414</b>	<b>9637</b>	<b>8683</b>	<b>7310</b>
83 <b>Top 10 pct</b>	<b>6733</b>	<b>6852</b>	<b>7601</b>	<b>6947</b>	<b>6422</b>	<b>5648</b>	<b>6250</b>	<b>7447</b>	<b>8964</b>	<b>8943</b>	<b>7809</b>	<b>9390</b>	<b>8337</b>	<b>7373</b>

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**Regional Report Surplus Deficit By Water Year**

**Operating Year 2020**

**2017 White Book Report Date: 6/1/2017**

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	6365	6298	5642	5279	4725	3160	3173	4450	6443	5422	6742	7664	7973	2790
2 1930 Regional Report Surplus Deficit	4888	3975	5478	5103	4739	2993	2053	4795	6566	6091	6790	7281	6203	5795
3 1931 Regional Report Surplus Deficit	5457	4318	5318	5127	4928	3038	1818	2806	7400	6185	2765	7654	4992	5151
4 1932 Regional Report Surplus Deficit	4571	3766	4830	4560	3919	3060	2440	1940	8729	9768	8848	9624	9810	7429
5 1933 Regional Report Surplus Deficit	6249	5582	6536	5272	4533	4620	5748	8173	9391	7464	7616	8921	10183	8040
6 1934 Regional Report Surplus Deficit	6847	6665	6483	6708	7268	6208	7134	9536	9914	9749	8430	8850	8304	6336
7 1935 Regional Report Surplus Deficit	4391	3775	4933	4880	3546	3493	5624	8076	9288	6113	7909	9012	8848	7596
8 1936 Regional Report Surplus Deficit	6749	4999	5172	5024	4591	2969	2097	4214	7030	6607	8665	10012	9844	6664
9 1937 Regional Report Surplus Deficit	5617	4459	5407	5192	4955	3017	1760	3128	6099	5503	2997	8342	7677	4852
10 1938 Regional Report Surplus Deficit	5466	4142	5425	5156	4637	4255	5296	7823	9719	9493	9299	9496	9581	7577
11 1939 Regional Report Surplus Deficit	4712	3983	5919	5262	4303	3177	4746	5650	8316	7627	8356	9527	7503	6404
12 1940 Regional Report Surplus Deficit	5426	4260	5783	5293	5291	4131	3947	5820	10301	8137	7964	9372	7814	5646
13 1941 Regional Report Surplus Deficit	4038	2890	5250	4817	4878	3780	3074	4478	6839	4616	5877	7966	6760	4966
14 1942 Regional Report Surplus Deficit	4233	3005	5381	4581	5782	5093	5170	6445	7703	6419	7570	8812	9075	7664
15 1943 Regional Report Surplus Deficit	5718	5517	6822	5366	3581	4048	6042	8237	9974	10509	9568	9386	10208	8039
16 1944 Regional Report Surplus Deficit	6732	5567	5923	5262	4758	3293	3630	4659	6463	5105	6051	6173	4100	3174
17 1945 Regional Report Surplus Deficit	4203	2530	4571	4352	4197	2886	2579	3801	6398	5475	2880	8856	9023	3924
18 1946 Regional Report Surplus Deficit	4817	3757	5517	4973	4900	4290	5385	7326	9533	9820	9378	9413	9513	7883
19 1947 Regional Report Surplus Deficit	6630	6053	6602	5116	6011	5916	6589	9295	9991	9026	8228	9497	9566	7583
20 1948 Regional Report Surplus Deficit	6303	5562	5916	9601	7272	5145	6499	8386	9802	8346	8921	9712	9600	7926
21 1949 Regional Report Surplus Deficit	6760	6848	7117	5935	5507	3989	4842	6156	10126	9109	9136	9754	9576	4772
22 1950 Regional Report Surplus Deficit	4599	3403	5596	5037	4154	4257	6473	8918	9894	10082	8730	9072	10306	8682
23 1951 Regional Report Surplus Deficit	6900	6904	6997	7286	7636	6134	7117	9960	10014	10149	8927	9293	9590	7877
24 1952 Regional Report Surplus Deficit	6724	5523	6413	9096	6863	5205	6127	8848	10114	10142	9607	9843	9744	7749
25 1953 Regional Report Surplus Deficit	5955	5055	5262	5181	4654	3170	3945	9449	9197	6829	7654	9536	10233	8143
26 1954 Regional Report Surplus Deficit	6688	6104	6497	5836	5971	4787	6161	9516	9737	8795	8498	9375	9699	8415
27 1955 Regional Report Surplus Deficit	6823	7085	9839	6034	6793	4523	4258	6223	5670	6189	6777	8839	10164	8340
28 1956 Regional Report Surplus Deficit	6817	6329	6198	6332	7198	5935	7126	9486	9470	9662	8801	9571	10148	8152
29 1957 Regional Report Surplus Deficit	6943	6728	6590	6337	5462	5000	5269	5627	10194	10063	8179	10032	10121	7343
30 1958 Regional Report Surplus Deficit	5966	5176	5914	5230	5032	3958	5868	8108	9661	8242	8912	9614	9954	7114
31 1959 Regional Report Surplus Deficit	6316	4940	5502	5675	6681	5634	6961	9502	9890	9639	8256	9208	9684	7995
32 1960 Regional Report Surplus Deficit	6876	6923	10220	10436	7357	5328	5651	7638	9816	10478	8689	9251	9650	7571
33 1961 Regional Report Surplus Deficit	6475	4953	5556	5637	5756	4219	5499	8505	10185	8840	7671	9189	9378	6998
34 1962 Regional Report Surplus Deficit	6215	4701	5641	4974	5155	4081	5383	7645	7293	10130	9000	9477	9402	7173
35 1963 Regional Report Surplus Deficit	6173	5624	5650	6803	6865	5470	5856	8299	8679	6693	7451	9830	9412	7448
36 1964 Regional Report Surplus Deficit	5907	5165	6697	5128	5147	4227	4580	5852	7689	9203	7431	9160	10233	8301
37 1965 Regional Report Surplus Deficit	6861	6728	7638	7183	6504	5959	6994	9674	9498	8502	9377	9284	9530	7712
38 1966 Regional Report Surplus Deficit	6942	6805	5877	6138	5773	4469	5219	7079	8229	10100	8279	8596	9063	7494

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2020**

**2017 White Book** Report Date: 6/1/2017 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	6531	4982	5701	5067	4615	4921	6565	9164	9630	8146	4687	9078	9952	8017
40 1968 Regional Report Surplus Deficit	6707	6324	6467	5857	6234	4484	5954	9071	10254	6034	6630	8536	9623	7658
41 1969 Regional Report Surplus Deficit	6695	6154	8433	7489	7343	5189	6836	9163	9409	10056	9007	9705	9922	7729
42 1970 Regional Report Surplus Deficit	6045	5114	5986	5988	5640	3829	5839	7871	8899	7222	7127	9487	10037	6308
43 1971 Regional Report Surplus Deficit	5991	4684	5555	5187	4635	4630	7005	9395	10084	9957	8664	9552	10297	8391
44 1972 Regional Report Surplus Deficit	7028	7145	7058	6514	5954	4848	6916	9254	9944	10282	8535	9446	9755	8227
45 1973 Regional Report Surplus Deficit	6879	7088	7276	6305	6081	4563	5589	6439	7271	5203	5750	8056	5596	5195
46 1974 Regional Report Surplus Deficit	4342	3075	5292	5073	5015	5298	7229	9403	9541	9683	8735	8836	10004	8770
47 1975 Regional Report Surplus Deficit	6965	7121	6964	5146	4805	4039	5962	8175	10002	6779	7021	9356	10255	8516
48 1976 Regional Report Surplus Deficit	6787	6726	7326	7819	7474	6408	7126	9574	9931	10026	8575	9572	9882	8103
49 1977 Regional Report Surplus Deficit	6960	7323	10793	6424	5102	3156	3071	5846	6075	4716	5111	5668	3768	3149
50 1978 Regional Report Surplus Deficit	3971	2531	4515	3812	4449	4556	5437	7541	9247	9843	8431	9575	9085	7690
51 1979 Regional Report Surplus Deficit	5840	4757	8784	6422	5765	3505	3734	7056	9318	6474	7630	9847	8679	3931
52 1980 Regional Report Surplus Deficit	4734	3958	5783	5268	4716	2918	4875	4997	7187	7998	8615	10012	9818	7108
53 1981 Regional Report Surplus Deficit	4632	4265	5873	5103	5705	5486	6461	9392	8920	5328	7162	9183	9849	7772
54 1982 Regional Report Surplus Deficit	6792	6730	6299	5619	6237	4474	6245	9524	10062	10064	8401	9217	10230	8876
55 1983 Regional Report Surplus Deficit	7000	7103	8448	7611	6441	4997	6692	9497	10268	9506	8153	9279	9826	8125
56 1984 Regional Report Surplus Deficit	6978	6655	7271	6174	7687	5226	6433	9411	10530	10330	8800	9514	10272	7981
57 1985 Regional Report Surplus Deficit	7006	5952	7240	6240	6465	4532	5086	6608	8539	8957	8511	9467	8370	5791
58 1986 Regional Report Surplus Deficit	4630	3147	5954	6646	6939	4505	5937	9452	10893	10137	8843	9232	9437	7164
59 1987 Regional Report Surplus Deficit	5655	4373	5541	5028	5977	4600	4359	5948	8929	5640	7205	9199	8206	4393
60 1988 Regional Report Surplus Deficit	4431	3091	5035	4923	3882	2723	2991	2702	7022	5679	7078	8802	7310	6430
61 1989 Regional Report Surplus Deficit	5144	4254	5212	4788	5037	3886	3552	2967	8888	8344	8866	9359	8865	6324
62 1990 Regional Report Surplus Deficit	4796	4063	5473	5219	5840	4574	5245	8959	9913	7967	8891	9047	9685	7552
63 1991 Regional Report Surplus Deficit	6727	6424	5712	5049	7375	5104	6279	8793	9653	9054	7509	9161	9518	7826
64 1992 Regional Report Surplus Deficit	6815	6496	5643	5031	4612	2865	3982	6273	8465	4978	5423	7661	5320	4255
65 1993 Regional Report Surplus Deficit	3906	2632	4582	4871	4653	3131	2008	2627	8228	6911	7594	9174	9436	6462
66 1994 Regional Report Surplus Deficit	5506	4635	5704	5261	5193	3363	2834	4032	7748	5401	7003	8772	8262	5857
67 1995 Regional Report Surplus Deficit	4766	3264	5263	4913	4010	3538	4843	7132	9159	8705	7271	9732	9964	7497
68 1996 Regional Report Surplus Deficit	5891	4815	6424	7245	7426	6630	7101	9970	10274	10308	9605	9666	9807	7996
69 1997 Regional Report Surplus Deficit	6903	6565	6453	5663	6030	5275	7194	9420	9891	9924	9067	9349	9558	8240
70 1998 Regional Report Surplus Deficit	6944	7150	8493	9972	7229	4612	5212	8104	8989	7597	8068	9655	10137	7714
71 1999 Regional Report Surplus Deficit	6734	5369	5649	5366	4409	5199	6901	9176	9812	8849	8813	9346	10260	8365
72 2000 Regional Report Surplus Deficit	7171	7399	7258	5759	7305	5531	5903	8001	9902	10169	9139	9463	8472	7288
73 2001 Regional Report Surplus Deficit	6483	4241	5211	5335	4623	3158	3304	4447	6514	4946	5511	7436	3542	3722
74 2002 Regional Report Surplus Deficit	4298	2589	4334	3769	4390	3605	3350	4525	7793	7772	8622	9111	9702	7739
75 2003 Regional Report Surplus Deficit	6092	5129	5602	5240	5016	3239	3076	4053	9519	7696	7690	9055	9778	5779
76 2004 Regional Report Surplus Deficit	4589	2992	5170	4984	5993	4247	3912	3776	8279	6561	7244	9151	8777	6722
77 2005 Regional Report Surplus Deficit	5100	4595	7180	5971	5430	4292	4812	6900	7306	5445	6635	9223	8821	6478

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2020**

**2017 White Book** Report Date: **6/1/2017** *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	5576	3672	5499	5117	5804	4265	6105	9029	9697	10078	8957	9554	9972	7320
79 2007 Regional Report Surplus Deficit	5205	4086	5277	4876	5858	4318	5583	7135	10400	9176	7687	9255	8796	7582
80 2008 Regional Report Surplus Deficit	5583	3789	5253	5127	5160	3326	4019	5163	8068	7297	5114	9251	10300	7823
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>4173</b>	<b>2878</b>	<b>4857</b>	<b>4519</b>	<b>4614</b>	<b>3980</b>	<b>4309</b>	<b>5862</b>	<b>8130</b>	<b>7104</b>	<b>7202</b>	<b>8918</b>	<b>8992</b>	<b>6851</b>
82 <b>Middle 80 pct</b>	<b>5980</b>	<b>5151</b>	<b>6136</b>	<b>5789</b>	<b>5593</b>	<b>4362</b>	<b>5155</b>	<b>7183</b>	<b>8944</b>	<b>8131</b>	<b>7791</b>	<b>9130</b>	<b>9044</b>	<b>6953</b>
83 <b>Top 10 pct</b>	<b>7006</b>	<b>6981</b>	<b>7941</b>	<b>6730</b>	<b>6373</b>	<b>4618</b>	<b>5659</b>	<b>8112</b>	<b>9281</b>	<b>8542</b>	<b>7917</b>	<b>8981</b>	<b>8857</b>	<b>7099</b>

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**Regional Report Surplus Deficit By Water Year**

**Operating Year 2021**

**2017 White Book Report Date: 6/1/2017**

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	5682	5368	5565	4715	4330	2121	1631	2385	3512	4069	5049	6948	5620	1208
2 1930 Regional Report Surplus Deficit	4274	4203	5058	4389	4302	1945	706	2745	3635	4679	5070	6671	3640	4397
3 1931 Regional Report Surplus Deficit	4490	4031	4921	4397	4464	2032	601	875	4625	4774	1253	6998	2416	3754
4 1932 Regional Report Surplus Deficit	4307	3741	4630	4011	3564	2034	1129	130	6114	8301	6784	8749	7867	6126
5 1933 Regional Report Surplus Deficit	5788	5083	6038	4631	4166	3833	4008	5767	7151	6256	5784	8064	8231	6779
6 1934 Regional Report Surplus Deficit	6494	6538	6473	5822	7009	5755	5505	7140	7631	8251	6404	8051	6337	4980
7 1935 Regional Report Surplus Deficit	3369	4150	4461	4184	3305	2484	3905	5478	7152	4705	6034	8167	6634	6312
8 1936 Regional Report Surplus Deficit	6350	4882	5062	4422	4187	1933	906	2165	4159	5194	6662	9138	7845	5301
9 1937 Regional Report Surplus Deficit	4638	4540	5080	4520	4499	1998	501	1150	3151	4122	1480	7585	5127	3413
10 1938 Regional Report Surplus Deficit	4789	4402	5094	4530	4243	3336	3573	5460	7468	8060	7254	8611	7470	6283
11 1939 Regional Report Surplus Deficit	3704	4349	5484	4604	3953	2111	3034	3657	5409	6348	6356	8691	5016	5034
12 1940 Regional Report Surplus Deficit	4440	4486	5240	4552	4810	3266	2274	3663	8048	6755	6059	8539	5441	4079
13 1941 Regional Report Surplus Deficit	3676	3520	4816	4192	4423	2821	1607	2419	3967	3269	4241	7185	4314	3577
14 1942 Regional Report Surplus Deficit	3725	3071	5032	4030	5294	4404	3441	4207	4937	5007	5703	7994	6862	6385
15 1943 Regional Report Surplus Deficit	5349	5271	6308	4654	3339	3088	4359	6002	7667	8990	7626	8511	8198	6708
16 1944 Regional Report Surplus Deficit	5971	5204	5825	4732	4362	2241	2020	2576	3518	3762	4402	5503	1419	1626
17 1945 Regional Report Surplus Deficit	3478	2749	4218	3755	3768	1875	1276	1832	3446	4121	1368	7999	6937	2462
18 1946 Regional Report Surplus Deficit	3937	4093	5216	4434	4489	3384	3655	5018	7108	8398	7320	8537	7376	6603
19 1947 Regional Report Surplus Deficit	6461	6366	6478	4650	5525	5359	4997	6797	7700	7689	6263	8689	7477	6304
20 1948 Regional Report Surplus Deficit	5737	5108	5890	8835	6876	4446	4911	5997	7518	7031	6879	8820	7635	6628
21 1949 Regional Report Surplus Deficit	6421	6800	7064	5155	5044	3049	3112	3949	7826	7768	7128	8886	7552	3330
22 1950 Regional Report Surplus Deficit	3543	4222	4934	4488	3821	3390	4832	6567	7635	8524	6737	8188	8353	7362
23 1951 Regional Report Surplus Deficit	6558	6839	6971	6390	7283	5587	5489	7561	7763	8484	6854	8411	7565	6584
24 1952 Regional Report Surplus Deficit	6459	5276	6413	8304	6387	4506	4499	6473	7823	8687	7564	8978	7667	6389
25 1953 Regional Report Surplus Deficit	5668	4893	4993	4602	4241	2137	2377	6960	6668	5416	5852	8660	8204	6853
26 1954 Regional Report Surplus Deficit	6094	5713	6484	5087	5486	3969	4436	7126	7480	7435	6534	8491	7786	7084
27 1955 Regional Report Surplus Deficit	6487	6996	9103	5244	6335	3725	2593	3991	2704	4782	5019	7957	8270	7104
28 1956 Regional Report Surplus Deficit	6465	6308	6194	5498	6787	5382	5517	7104	7244	8013	6834	8687	8182	6779
29 1957 Regional Report Surplus Deficit	6527	6623	6581	5508	5006	4219	3549	3477	7916	8626	6249	9126	8137	6028
30 1958 Regional Report Surplus Deficit	5671	4990	5341	4609	4592	2985	4167	5494	7519	6849	6918	8741	7984	5706
31 1959 Regional Report Surplus Deficit	5804	4928	5345	4930	6207	5045	5447	7029	7593	8254	6320	8329	7799	6770
32 1960 Regional Report Surplus Deficit	6523	6789	9211	9349	7095	4739	4001	5446	7406	8959	6660	8378	7705	6291
33 1961 Regional Report Surplus Deficit	6251	4817	5532	4896	5279	3320	3805	6090	7881	7487	5783	8302	7510	5685
34 1962 Regional Report Surplus Deficit	5519	4652	5399	4453	4713	3167	3664	5314	4459	8663	6924	8600	7334	5854
35 1963 Regional Report Surplus Deficit	6000	5258	5641	5912	6404	4849	4208	5937	6097	5280	5644	8970	7309	6164
36 1964 Regional Report Surplus Deficit	5601	4987	6644	4566	4710	3322	2880	3665	4904	7836	5655	8279	8290	7065
37 1965 Regional Report Surplus Deficit	6508	6592	7528	6277	6022	5421	5364	7247	7213	6993	7311	8404	7470	6430
38 1966 Regional Report Surplus Deficit	6608	6570	5881	5297	5293	3623	3488	4790	5509	8606	6396	7800	6939	6212

**Regional Report Surplus Deficit By Water Year**

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**2017 White Book** Report Date: 6/1/2017 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	6131	4939	5553	4460	4229	4151	4964	6758	7369	6596	3086	8215	7987	6712
40 1968 Regional Report Surplus Deficit	6337	6002	6445	5066	5745	3636	4260	6593	8046	4623	4926	7737	7682	6378
41 1969 Regional Report Surplus Deficit	6347	5956	8143	6600	6948	4493	5255	6753	7134	8471	6951	8854	7932	6449
42 1970 Regional Report Surplus Deficit	5517	4949	5907	5188	5167	2841	4108	5536	6437	5693	5357	8605	8087	4918
43 1971 Regional Report Surplus Deficit	5427	4698	5416	4551	4258	3785	5318	6949	7805	8436	6613	8667	8313	7039
44 1972 Regional Report Surplus Deficit	6678	7064	7036	5677	5480	4031	5286	6871	7700	8639	6541	8528	7803	6948
45 1973 Regional Report Surplus Deficit	6536	7021	7227	5476	5599	3680	3865	4210	4427	3868	4099	7289	3056	3794
46 1974 Regional Report Surplus Deficit	3906	3518	5073	4433	4610	4602	5598	7023	7327	8048	6786	7840	8080	7423
47 1975 Regional Report Surplus Deficit	6617	7057	6928	4677	4412	3064	4252	5813	7734	5316	5241	8467	8201	7048
48 1976 Regional Report Surplus Deficit	6385	6263	7269	6927	7118	5909	5609	7156	7582	8470	6554	8690	7917	6824
49 1977 Regional Report Surplus Deficit	6634	7259	9434	5576	4673	2124	1970	2704	3100	3368	3525	5001	1162	1470
50 1978 Regional Report Surplus Deficit	3443	2752	4036	3445	4047	3713	3715	5366	6636	8363	6470	8690	6934	6408
51 1979 Regional Report Surplus Deficit	5240	4740	7958	5545	5286	2469	2086	4787	6784	5094	5782	8969	6411	2465
52 1980 Regional Report Surplus Deficit	3889	3933	5399	4579	4288	1829	3153	2912	4311	6619	6641	9176	7863	5773
53 1981 Regional Report Surplus Deficit	4355	4574	5550	4428	5221	4853	4845	6872	6389	4032	5430	8315	8005	6482
54 1982 Regional Report Surplus Deficit	6420	6705	6381	4921	5749	3598	4581	7166	7794	8559	6400	8329	8180	7451
55 1983 Regional Report Surplus Deficit	6647	7037	8217	6706	5953	4215	5079	7137	7999	8084	6213	8399	7777	6787
56 1984 Regional Report Surplus Deficit	6605	6843	7226	5396	7387	4500	4750	6899	8319	8810	6814	8633	8248	6686
57 1985 Regional Report Surplus Deficit	6573	5554	7194	5469	5977	3660	3355	4363	5922	7562	6512	8594	6070	4386
58 1986 Regional Report Surplus Deficit	3332	3966	5477	5775	6466	3677	4237	7055	8563	8616	6887	8382	7446	5831
59 1987 Regional Report Surplus Deficit	5498	4393	5399	4513	5493	3750	2690	3762	6344	4431	5358	8335	5940	2934
60 1988 Regional Report Surplus Deficit	3900	3855	4934	4274	3465	1634	1552	809	4161	4300	5344	8055	4828	5055
61 1989 Regional Report Surplus Deficit	4616	4394	5085	4225	4596	2950	1969	1071	6356	6862	6827	8502	6535	4915
62 1990 Regional Report Surplus Deficit	4281	4504	5007	4551	5355	3813	3516	6460	7617	6649	6818	8202	7788	6259
63 1991 Regional Report Surplus Deficit	6340	5943	5601	4522	7041	4455	4651	6427	7429	7696	5656	8360	7538	6576
64 1992 Regional Report Surplus Deficit	6465	6206	5634	4483	4215	1776	2314	4115	5959	3694	3843	6974	2787	2829
65 1993 Regional Report Surplus Deficit	3253	3022	4194	4187	4196	2108	806	766	5530	5498	5797	8301	7132	5319
66 1994 Regional Report Surplus Deficit	4864	4532	5401	4612	4724	2381	1416	2068	5033	4149	5328	8070	5959	4448
67 1995 Regional Report Surplus Deficit	4335	3690	4998	4246	3664	2541	3121	4934	6588	7317	5465	8867	7945	6118
68 1996 Regional Report Surplus Deficit	5273	4834	6037	6347	7145	6032	5462	7589	8009	8812	7545	8787	7770	6636
69 1997 Regional Report Surplus Deficit	6543	6315	6445	4961	5545	4568	5569	7041	7650	8281	7122	8499	7612	6888
70 1998 Regional Report Surplus Deficit	6589	7075	8275	9179	6820	3739	3484	5751	6397	6194	6165	8805	8115	6347
71 1999 Regional Report Surplus Deficit	6543	5790	5497	4797	4064	4471	5314	6759	7561	7524	6799	8470	8229	7007
72 2000 Regional Report Surplus Deficit	6828	7331	7199	5043	7043	4911	4208	5879	7453	8726	7045	8582	6041	5916
73 2001 Regional Report Surplus Deficit	6262	4549	4965	4681	4216	2120	1710	2315	3601	3610	3913	6730	852	2203
74 2002 Regional Report Surplus Deficit	3658	2905	3982	3401	3977	2624	1808	2454	5089	6419	6601	8266	7745	6436
75 2003 Regional Report Surplus Deficit	5304	5329	5220	4506	4560	2219	1626	2026	7082	6336	5808	8212	7772	4298
76 2004 Regional Report Surplus Deficit	3500	3929	4963	4303	5505	3384	2268	1792	5592	5180	5435	8315	6497	5289
77 2005 Regional Report Surplus Deficit	3340	4705	6160	5110	4949	3480	2913	4929	4569	4020	4892	8365	6571	5027



**Regional Report Surplus Deficit By Water Year**

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**2017 White Book** Report Date: **6/1/2017** *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	4764	4059	5238	4466	5316	3389	4415	6589	7422	8567	6940	8678	8010	5934
79 2007 Regional Report Surplus Deficit	4843	4160	5001	4327	5370	3454	3886	4834	8093	7749	5834	8384	6527	6218
80 2008 Regional Report Surplus Deficit	4885	4138	4861	4372	4674	2327	2331	3051	5357	5903	3541	8368	8325	6467
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>3407</b>	<b>3687</b>	<b>4805</b>	<b>4406</b>	<b>4507</b>	<b>3014</b>	<b>2994</b>	<b>4223</b>	<b>6140</b>	<b>6129</b>	<b>5453</b>	<b>8301</b>	<b>7063</b>	<b>5501</b>
82 <b>Middle 80 pct</b>	<b>5466</b>	<b>5081</b>	<b>5867</b>	<b>5029</b>	<b>5141</b>	<b>3524</b>	<b>3505</b>	<b>4850</b>	<b>6383</b>	<b>6638</b>	<b>5902</b>	<b>8274</b>	<b>6887</b>	<b>5572</b>
83 <b>Top 10 pct</b>	<b>6651</b>	<b>7029</b>	<b>7525</b>	<b>5944</b>	<b>5883</b>	<b>3776</b>	<b>4065</b>	<b>5730</b>	<b>6776</b>	<b>7218</b>	<b>5992</b>	<b>8027</b>	<b>6786</b>	<b>5927</b>

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**Regional Report Surplus Deficit By Water Year**

**Operating Year 2022**

**2017 White Book Report Date: 6/1/2017**

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	4663	4228	4214	3128	2696	999	1106	2092	2899	2302	3501	6742	6765	800
2 1930 Regional Report Surplus Deficit	3218	2982	3723	2731	2710	832	265	2466	3022	2794	3509	6412	4793	3907
3 1931 Regional Report Surplus Deficit	3427	2795	3510	2731	2893	880	208	701	4014	2892	-96.5	6808	3557	3261
4 1932 Regional Report Surplus Deficit	3288	2504	3293	2434	1886	899	703	56.1	5495	6368	5180	8503	8738	5570
5 1933 Regional Report Surplus Deficit	4773	3920	4750	3009	2501	2591	3237	5311	6505	4136	4155	7859	9110	6291
6 1934 Regional Report Surplus Deficit	5586	5540	5186	4068	5106	4480	4844	6559	6988	6317	4829	7810	7308	4462
7 1935 Regional Report Surplus Deficit	2291	2930	3157	2535	1489	1334	3125	4916	6480	2837	4432	7995	7717	5745
8 1936 Regional Report Surplus Deficit	5417	3664	3744	2819	2563	808	522	1887	3550	3292	5060	8885	8728	4787
9 1937 Regional Report Surplus Deficit	3578	3332	3764	2883	2923	857	92.9	934	2537	2311	104	7411	6296	2955
10 1938 Regional Report Surplus Deficit	3737	3207	3756	2916	2608	2130	2880	4920	6827	6085	5662	8354	8408	5722
11 1939 Regional Report Surplus Deficit	2619	3214	4150	2974	2269	1019	2398	3267	4797	4325	4770	8495	6234	4526
12 1940 Regional Report Surplus Deficit	3377	3273	3834	2881	3245	2040	1674	3292	7350	4789	4453	8359	6586	3599
13 1941 Regional Report Surplus Deficit	2412	2367	3407	2579	2846	1636	1117	2132	3357	1509	2723	7014	5478	3080
14 1942 Regional Report Surplus Deficit	2691	1842	3640	2452	3724	3136	2749	3770	4327	3116	4100	7813	7887	5836
15 1943 Regional Report Surplus Deficit	4328	4050	5008	2997	1524	1903	3560	5450	7028	7073	6138	8275	9085	6219
16 1944 Regional Report Surplus Deficit	4979	4026	4408	3165	2729	1132	1482	2223	2905	2009	2876	5202	2505	1178
17 1945 Regional Report Surplus Deficit	2366	1572	2813	2154	2169	727	852	1623	2832	2351	13.4	7785	7851	2019
18 1946 Regional Report Surplus Deficit	2864	2907	3814	2861	2872	2172	2967	4526	6467	6454	5803	8274	8329	6039
19 1947 Regional Report Surplus Deficit	5520	5280	5125	3112	3959	4099	4190	6246	7058	5668	4664	8432	8400	5737
20 1948 Regional Report Surplus Deficit	4731	3903	4498	6912	5080	3197	4110	5411	6851	4981	5292	8591	8496	6090
21 1949 Regional Report Surplus Deficit	5513	5856	5829	3465	3472	1853	2424	3537	7185	5721	5555	8634	8475	2874
22 1950 Regional Report Surplus Deficit	2457	3111	3710	2911	2117	2164	3986	5977	7020	6666	5112	7957	9219	6910
23 1951 Regional Report Surplus Deficit	5650	5880	5667	4625	5424	4329	4831	6990	7101	6546	5250	8148	8493	6069
24 1952 Regional Report Surplus Deficit	5521	4010	5029	6396	4755	3258	3705	5921	7144	6751	6071	8722	8580	5823
25 1953 Regional Report Surplus Deficit	4675	3730	3650	3011	2626	1009	1840	6340	6039	3504	4262	8455	9106	6374
26 1954 Regional Report Surplus Deficit	5128	4485	5122	3411	3920	2731	3668	6490	6841	5501	4933	8236	8621	6687
27 1955 Regional Report Surplus Deficit	5538	6103	8530	3547	4664	2485	1999	3559	2089	2919	3445	7778	9142	6620
28 1956 Regional Report Surplus Deficit	5558	5243	4792	3774	5010	4123	4855	6518	6592	6073	5272	8427	9036	6271
29 1957 Regional Report Surplus Deficit	5517	5535	5218	3792	3430	2976	2840	3112	7218	6669	4644	8915	9043	5481
30 1958 Regional Report Surplus Deficit	4654	3809	3930	2997	3003	1809	3423	5378	6583	4901	5308	8501	8839	5171
31 1959 Regional Report Surplus Deficit	4717	3629	3933	3258	4571	3770	4654	6480	6952	6246	4718	8096	8657	6300
32 1960 Regional Report Surplus Deficit	5598	5809	8679	7301	5196	3462	3245	4926	6700	7042	5049	8205	8587	5723
33 1961 Regional Report Surplus Deficit	5294	3660	4116	3225	3713	2106	3045	5508	7243	5490	4213	8052	8365	5135
34 1962 Regional Report Surplus Deficit	4503	3420	4052	2890	3125	1959	2958	4806	3850	6739	5381	8364	8296	5309
35 1963 Regional Report Surplus Deficit	5018	4073	4301	4160	4739	3576	3379	5363	5474	3389	4055	8771	8295	5597
36 1964 Regional Report Surplus Deficit	4607	3739	5330	2983	3118	2110	2256	3269	4295	5851	4082	8055	9131	6655
37 1965 Regional Report Surplus Deficit	5600	5597	6489	4502	4411	4167	4627	6569	6582	5000	5775	8146	8361	5863
38 1966 Regional Report Surplus Deficit	5616	5428	4459	3573	3727	2392	2807	4313	4897	6682	4790	7651	7971	5645

**Regional Report Surplus Deficit By Water Year**

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**2017 White Book** Report Date: 6/1/2017 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	5185	3706	4208	2855	2585	2907	4141	6164	6722	4785	1576	7992	8831	6223
40 1968 Regional Report Surplus Deficit	5388	4894	5190	3369	4166	2405	3494	6021	7295	2750	3371	7604	8547	5815
41 1969 Regional Report Surplus Deficit	5411	4821	7361	4795	5153	3245	4593	6166	6492	6446	5406	8585	8793	5882
42 1970 Regional Report Surplus Deficit	4489	3720	4570	3486	3600	1675	3376	5017	5694	3896	3783	8385	8954	4425
43 1971 Regional Report Surplus Deficit	4392	3539	4077	2932	2604	2553	4661	6369	7168	6513	5016	8401	9148	6569
44 1972 Regional Report Surplus Deficit	5767	6134	5719	3955	3914	2794	4576	6287	7048	6683	4918	8239	8639	6470
45 1973 Regional Report Surplus Deficit	5637	6112	5982	3760	4034	2459	3162	3780	3818	2139	2571	7113	4216	3309
46 1974 Regional Report Surplus Deficit	2854	2303	3666	2812	2981	3346	4935	6441	6681	6100	5210	7547	8923	7043
47 1975 Regional Report Surplus Deficit	5710	6159	5718	3139	2776	1889	3488	5264	7029	3455	3680	8222	9095	6630
48 1976 Regional Report Surplus Deficit	5428	5158	6051	5103	5263	4663	4823	6570	6918	6533	4945	8426	8783	6355
49 1977 Regional Report Surplus Deficit	5584	6297	8920	3848	3074	995	1368	2370	2483	1647	2044	4679	2245	1021
50 1978 Regional Report Surplus Deficit	2272	1554	2814	1952	2420	2481	3013	4851	6003	6429	4861	8443	7951	5841
51 1979 Regional Report Surplus Deficit	4197	3582	6994	3801	3721	1343	1503	4325	6156	3165	4203	8732	7511	2025
52 1980 Regional Report Surplus Deficit	2825	2778	4053	2934	2688	776	2504	2603	3701	4662	5034	8907	8719	5240
53 1981 Regional Report Surplus Deficit	3297	3398	4140	2790	3655	3572	3998	6248	5760	2145	3822	8101	8889	5963
54 1982 Regional Report Surplus Deficit	5512	5748	5129	3271	4165	2376	3784	6587	7153	6646	4793	8063	9059	7106
55 1983 Regional Report Surplus Deficit	5718	6105	7291	4919	4369	2973	4259	6560	7349	6069	4615	8157	8649	6297
56 1984 Regional Report Surplus Deficit	5689	5771	5973	3706	5495	3254	3945	6279	7592	6892	5250	8384	9123	6145
57 1985 Regional Report Surplus Deficit	5637	4377	5941	3782	4404	2436	2751	3973	5066	5571	4900	8369	7190	3903
58 1986 Regional Report Surplus Deficit	2212	2855	4056	4031	4827	2442	3477	6384	7927	6701	5297	8171	8343	5296
59 1987 Regional Report Surplus Deficit	4474	3185	3992	2952	3928	2520	2092	3367	5721	2429	3872	8119	7038	2484
60 1988 Regional Report Surplus Deficit	2828	2728	3612	2648	1854	581	1074	667	3552	2491	3779	7878	5998	4546
61 1989 Regional Report Surplus Deficit	3474	3094	3680	2642	3008	1752	1432	926	5675	4991	5276	8291	7628	4416
62 1990 Regional Report Surplus Deficit	3073	3225	3607	2916	3788	2569	2826	5899	6978	4602	5243	8013	8662	5695
63 1991 Regional Report Surplus Deficit	5329	4755	4186	2955	5166	3171	3814	5877	6786	5790	4080	8139	8424	6098
64 1992 Regional Report Surplus Deficit	5541	5128	4288	2906	2583	714	1716	3686	5335	1972	2320	6805	3953	2358
65 1993 Regional Report Surplus Deficit	2189	1852	2895	2545	2620	971	418	594	4916	3583	4210	8070	8168	4808
66 1994 Regional Report Surplus Deficit	3740	3282	3978	2986	3156	1211	947	1805	4424	2317	3775	7898	7079	3961
67 1995 Regional Report Surplus Deficit	3258	2484	3589	2612	1975	1382	2471	4477	5964	5315	3873	8644	8808	5563
68 1996 Regional Report Surplus Deficit	4144	3510	4682	4576	5268	4805	4806	7003	7358	6865	5991	8517	8637	6178
69 1997 Regional Report Surplus Deficit	5515	5151	5080	3309	3978	3323	4884	6449	7004	6328	5539	8221	8483	6443
70 1998 Regional Report Surplus Deficit	5559	6073	7335	7237	5055	2516	2821	5202	5775	4266	4559	8560	8970	5784
71 1999 Regional Report Surplus Deficit	5533	4467	4084	3211	2374	3226	4636	6179	6919	5449	5210	8237	9098	6528
72 2000 Regional Report Surplus Deficit	5809	6333	5973	3385	5134	3631	3452	5317	6800	6791	5501	8341	7181	5357
73 2001 Regional Report Surplus Deficit	5228	3298	3593	3053	2594	997	1142	2013	2989	1867	2422	6517	1898	1743
74 2002 Regional Report Surplus Deficit	2544	1663	2686	1908	2362	1453	1299	2153	4478	4442	5010	8071	8605	5891
75 2003 Regional Report Surplus Deficit	4258	4154	3879	2902	3048	1078	1143	1766	6441	4362	4213	8019	8628	3815
76 2004 Regional Report Surplus Deficit	2345	2701	3605	2661	3919	2158	1687	1571	4979	3238	3860	8143	7563	4773
77 2005 Regional Report Surplus Deficit	2180	3428	4797	3376	3384	2242	2234	4426	3901	2206	3334	8149	7637	4524

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	3652	2761	3846	2840	3745	2167	3621	6024	6725	6645	5437	8433	8874	5383
79 2007 Regional Report Surplus Deficit	3713	2900	3682	2751	3802	2227	3137	4348	7456	5775	4233	8160	7587	5654
80 2008 Regional Report Surplus Deficit	3756	2905	3564	2694	3106	1170	1736	2685	4744	3969	2097	8120	9212	5900
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>2283</b>	<b>2407</b>	<b>3443</b>	<b>2729</b>	<b>2959</b>	<b>1749</b>	<b>1990</b>	<b>3312</b>	<b>5049</b>	<b>3607</b>	<b>3591</b>	<b>7971</b>	<b>7589</b>	<b>4511</b>
82 <b>Middle 80 pct</b>	<b>4445</b>	<b>3947</b>	<b>4614</b>	<b>3412</b>	<b>3458</b>	<b>2279</b>	<b>2836</b>	<b>4415</b>	<b>5748</b>	<b>4769</b>	<b>4356</b>	<b>8020</b>	<b>7890</b>	<b>5118</b>
83 <b>Top 10 pct</b>	<b>5702</b>	<b>5859</b>	<b>6033</b>	<b>3909</b>	<b>4444</b>	<b>2971</b>	<b>3808</b>	<b>5556</b>	<b>6475</b>	<b>5518</b>	<b>4586</b>	<b>8122</b>	<b>7823</b>	<b>5522</b>

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**Regional Report Surplus Deficit By Water Year**

**Operating Year 2023**

**2017 White Book Report Date: 6/1/2017**

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	3993	3653	3346	2440	1996	311	478	1511	1993	2295	3589	6227	5263	543
2 1930 Regional Report Surplus Deficit	2615	2354	2879	2019	1999	148	-290	1890	2116	2805	3599	5939	3398	3482
3 1931 Regional Report Surplus Deficit	2807	2173	2668	2015	2173	179	-294	153	3226	2904	5.83	6275	2172	2834
4 1932 Regional Report Surplus Deficit	2623	1884	2450	1749	1196	205	162	-469	4765	6303	5304	7922	7004	5132
5 1933 Regional Report Surplus Deficit	4090	3359	3772	2310	1808	1849	2628	4629	5829	4131	4257	7271	7359	5885
6 1934 Regional Report Surplus Deficit	4743	4824	4197	3299	4398	3739	4196	5876	6313	6279	4957	7221	5642	4017
7 1935 Regional Report Surplus Deficit	1690	2281	2396	1827	824	634	2504	4246	5786	2846	4543	7410	6140	5323
8 1936 Regional Report Surplus Deficit	4569	3065	2959	2127	1861	117	31.2	1310	2697	3303	5194	8310	7010	4344
9 1937 Regional Report Surplus Deficit	2980	2668	2999	2178	2206	161	-427	375	1612	2313	204	6855	4850	2578
10 1938 Regional Report Surplus Deficit	3127	2532	2924	2219	1909	1406	2230	4253	6151	6033	5779	7769	6725	5289
11 1939 Regional Report Surplus Deficit	2014	2481	3241	2272	1580	343	1729	2655	4020	4327	4900	7911	4777	4087
12 1940 Regional Report Surplus Deficit	2781	2617	3022	2163	2519	1307	1009	2686	6653	4775	4569	7777	5082	3187
13 1941 Regional Report Surplus Deficit	1817	1621	2564	1882	2129	921	515	1553	2504	1500	2807	6443	4009	2648
14 1942 Regional Report Surplus Deficit	2055	1212	2706	1768	2994	2391	2098	3140	3542	3125	4210	7230	6257	5440
15 1943 Regional Report Surplus Deficit	3609	3489	3968	2285	859	1189	2957	4780	6352	7020	6234	7686	7316	5824
16 1944 Regional Report Surplus Deficit	4248	3466	3562	2483	2029	449	831	1640	1984	1998	2960	4753	1144	828
17 1945 Regional Report Surplus Deficit	1744	860	1991	1462	1460	27.3	315	1066	1903	2345	120	7196	6155	1682
18 1946 Regional Report Surplus Deficit	2270	2243	3015	2178	2168	1445	2313	3873	5770	6391	5900	7688	6658	5632
19 1947 Regional Report Surplus Deficit	4685	4628	4131	2438	3232	3359	3635	5554	6382	5637	4787	7849	6704	5324
20 1948 Regional Report Surplus Deficit	4029	3324	3549	6057	4349	2452	3548	4734	6156	4974	5426	8007	6781	5696
21 1949 Regional Report Surplus Deficit	4688	5081	4725	2738	2753	1133	1770	2916	6510	5674	5677	8057	6795	2502
22 1950 Regional Report Surplus Deficit	1850	2303	3035	2227	1432	1431	3411	5295	6345	6606	5241	7368	7466	6451
23 1951 Regional Report Surplus Deficit	4814	5123	4626	3842	4699	3590	4104	6177	6383	6509	5380	7566	6807	5671
24 1952 Regional Report Surplus Deficit	4680	3445	4063	5555	4019	2513	3126	5239	6448	6692	6158	8138	6879	5398
25 1953 Regional Report Surplus Deficit	3932	3127	2936	2322	1921	318	1203	5650	5330	3514	4363	7867	7346	5976
26 1954 Regional Report Surplus Deficit	4357	3915	4143	2691	3193	1993	3061	5796	6166	5478	5057	7650	6866	6239
27 1955 Regional Report Surplus Deficit	4962	5251	7240	2818	3929	1744	1335	2930	1139	2930	3540	7194	7408	6205
28 1956 Regional Report Surplus Deficit	4726	4595	3871	3029	4277	3383	4208	5836	5917	6035	5373	7845	7299	5872
29 1957 Regional Report Surplus Deficit	4667	4831	4235	3052	2713	2234	2200	2508	6522	6612	4762	8328	7293	5037
30 1958 Regional Report Surplus Deficit	3986	3231	3076	2301	2291	1097	2796	4715	5889	4879	5436	7924	7076	4725
31 1959 Regional Report Surplus Deficit	4031	3030	3081	2539	3835	3027	4108	5784	6277	6196	4838	7507	6900	5891
32 1960 Regional Report Surplus Deficit	4778	5061	7543	6463	4490	2719	2646	4263	6006	6989	5172	7624	6870	5308
33 1961 Regional Report Surplus Deficit	4489	3050	3242	2507	2989	1378	2422	4837	6568	5450	4316	7467	6605	4693
34 1962 Regional Report Surplus Deficit	3825	2851	3191	2209	2413	1234	2319	4146	3024	6676	5487	7775	6630	4865
35 1963 Regional Report Surplus Deficit	4264	3514	3466	3393	4003	2831	2791	4698	4755	3399	4156	8183	6648	5174
36 1964 Regional Report Surplus Deficit	3882	3165	4300	2297	2407	1383	1587	2654	3500	5809	4173	7466	7442	6226
37 1965 Regional Report Surplus Deficit	4759	4877	5315	3714	3676	3428	3931	5829	5908	4988	5885	7565	6646	5442
38 1966 Regional Report Surplus Deficit	4753	4752	3563	2828	3002	1656	2149	3667	4134	6623	4895	7091	6343	5224

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2023**

**2017 White Book** Report Date: **6/1/2017** *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	4364	3115	3312	2162	1888	2165	3578	5471	6047	4780	1662	7404	7112	5828
40 1968 Regional Report Surplus Deficit	4566	4289	4176	2640	3434	1670	2872	5337	6594	2759	3460	7049	6809	5410
41 1969 Regional Report Surplus Deficit	4562	4219	6030	3995	4422	2500	3946	5484	5816	6409	5496	8009	7064	5465
42 1970 Regional Report Surplus Deficit	3830	3136	3667	2754	2878	969	2742	4356	4975	3903	3878	7796	7192	3997
43 1971 Regional Report Surplus Deficit	3747	2935	3260	2234	1909	1818	4013	5687	6493	6462	5152	7819	7443	6160
44 1972 Regional Report Surplus Deficit	4917	5346	4689	3212	3191	2055	3977	5604	6374	6645	5047	7646	6905	6056
45 1973 Regional Report Surplus Deficit	4865	5285	4905	3020	3307	1729	2518	3152	2987	2123	2656	6555	2814	2889
46 1974 Regional Report Surplus Deficit	2247	1647	2852	2113	2280	2601	4289	5760	6007	6062	5311	6955	7177	6548
47 1975 Regional Report Surplus Deficit	4896	5320	4663	2465	2077	1179	2866	4594	6336	3464	3774	7635	7323	6230
48 1976 Regional Report Surplus Deficit	4622	4547	4935	4300	4538	3925	4278	5888	6244	6495	5067	7848	7057	5945
49 1977 Regional Report Surplus Deficit	5138	5445	7891	3101	2365	304	702	1777	1526	1629	2127	4242	885	669
50 1978 Regional Report Surplus Deficit	1649	876	2139	1291	1719	1745	2370	4189	5300	6371	4982	7857	6331	5419
51 1979 Regional Report Surplus Deficit	3566	2974	5702	3042	2996	653	844	3685	5446	3176	4308	8144	5949	1696
52 1980 Regional Report Surplus Deficit	2229	2063	3178	2227	1979	106	1836	2017	2844	4643	5161	8351	6985	4793
53 1981 Regional Report Surplus Deficit	2691	2780	3224	2085	2928	2827	3439	5555	5052	2145	3917	7512	7144	5569
54 1982 Regional Report Surplus Deficit	4666	4989	4114	2562	3432	1644	3192	5905	6479	6595	4927	7487	7287	6626
55 1983 Regional Report Surplus Deficit	4855	5319	5984	4126	3636	2231	3692	5877	6674	6028	4733	7570	6927	5901
56 1984 Regional Report Surplus Deficit	4825	5050	4901	2979	4775	2510	3351	5591	6893	6835	5361	7797	7353	5750
57 1985 Regional Report Surplus Deficit	4793	3819	4870	3057	3674	1704	2096	3339	4325	5534	5029	7779	5653	3485
58 1986 Regional Report Surplus Deficit	1592	2047	3224	3271	4091	1704	2855	5695	7253	6648	5418	7583	6647	4849
59 1987 Regional Report Surplus Deficit	3818	2518	3189	2272	3200	1785	1427	2753	5001	2432	3966	7530	5477	2126
60 1988 Regional Report Surplus Deficit	2234	1945	2838	1948	1149	-89.5	483	128	2708	2492	3871	7332	4554	4105
61 1989 Regional Report Surplus Deficit	2852	2450	2866	1955	2295	1032	796	386	4953	4981	5391	7702	6060	3983
62 1990 Regional Report Surplus Deficit	2478	2547	2823	2212	3061	1826	2174	5205	6302	4578	5367	7426	6924	5267
63 1991 Regional Report Surplus Deficit	4485	4152	3327	2274	4442	2426	3245	5189	6110	5740	4187	7550	6715	5682
64 1992 Regional Report Surplus Deficit	4725	4486	3412	2222	1883	49.9	1052	3058	4618	1954	2404	6257	2539	1958
65 1993 Regional Report Surplus Deficit	1593	1137	2149	1838	1903	276	-77.8	47.1	4160	3591	4310	7481	6548	4367
66 1994 Regional Report Surplus Deficit	3115	2693	3130	2285	2435	502	364	1234	3630	2315	3867	7338	5525	3539
67 1995 Regional Report Surplus Deficit	2646	1807	2734	1908	1287	678	1803	3838	5247	5283	3973	8055	7063	5124
68 1996 Regional Report Surplus Deficit	3527	2912	3692	3781	4567	4046	4159	6321	6684	6827	6119	7942	6905	5769
69 1997 Regional Report Surplus Deficit	4653	4506	4098	2599	3249	2578	4238	5767	6329	6290	5640	7650	6723	6018
70 1998 Regional Report Surplus Deficit	4697	5282	6037	6381	4323	1784	2156	4536	5052	4266	4675	7982	7234	5353
71 1999 Regional Report Surplus Deficit	4687	3907	3227	2523	1686	2481	4005	5497	6244	5401	5339	7648	7328	6105
72 2000 Regional Report Surplus Deficit	5258	5537	4870	2672	4420	2887	2830	4646	6107	6732	5619	7754	5668	4921
73 2001 Regional Report Surplus Deficit	4431	2599	2846	2352	1892	308	489	1430	2100	1854	2505	6007	542	1362
74 2002 Regional Report Surplus Deficit	1916	937	2011	1247	1658	744	682	1570	3705	4432	5142	7484	6849	5497
75 2003 Regional Report Surplus Deficit	3623	3596	3031	2185	2331	382	547	1195	5743	4359	4324	7431	6893	3397
76 2004 Regional Report Surplus Deficit	1742	1953	2874	1954	3186	1424	1028	1011	4230	3247	3960	7559	5967	4329
77 2005 Regional Report Surplus Deficit	1579	2830	3803	2624	2658	1502	1575	3768	3101	2213	3426	7560	6031	4087



**Regional Report Surplus Deficit By Water Year**

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	3022	2117	3069	2139	3015	1435	3020	5337	6031	6586	5529	7855	7122	4940
79 2007 Regional Report Surplus Deficit	3110	2202	2990	2066	3073	1494	2517	3698	6780	5732	4342	7571	5986	5225
80 2008 Regional Report Surplus Deficit	3151	2166	2889	1973	2378	466	1072	2080	3984	3976	2183	7533	7477	5482
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>1676</b>	<b>1701</b>	<b>2642</b>	<b>2019</b>	<b>2246</b>	<b>1029</b>	<b>1385</b>	<b>2697</b>	<b>4280</b>	<b>3595</b>	<b>3696</b>	<b>7386</b>	<b>5978</b>	<b>4088</b>
82 <b>Middle 80 pct</b>	<b>3731</b>	<b>3270</b>	<b>3614</b>	<b>2706</b>	<b>2776</b>	<b>1608</b>	<b>2282</b>	<b>3849</b>	<b>5137</b>	<b>4863</b>	<b>4538</b>	<b>7509</b>	<b>6294</b>	<b>4739</b>
83 <b>Top 10 pct</b>	<b>4964</b>	<b>5319</b>	<b>5643</b>	<b>3049</b>	<b>3463</b>	<b>1830</b>	<b>2659</b>	<b>4272</b>	<b>4754</b>	<b>4548</b>	<b>4107</b>	<b>7049</b>	<b>5660</b>	<b>4827</b>

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**Regional Report Surplus Deficit By Water Year**

**Operating Year 2024**

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	3577	3281	3138	1940	1682	-152	340	1649	2013	2803	3624	5412	5669	-105
2 1930 Regional Report Surplus Deficit	2154	1944	2672	1543	1697	-319	-501	2023	2136	3295	3632	5081	3697	3002
3 1931 Regional Report Surplus Deficit	2364	1763	2461	1542	1879	-271	-558	258	3127	3393	26.8	5477	2461	2356
4 1932 Regional Report Surplus Deficit	2206	1475	2243	1246	872	-252	-63.5	-387	4608	6868	5304	7173	7642	4665
5 1933 Regional Report Surplus Deficit	3680	2977	3560	1821	1488	1440	2471	4869	5611	4636	4278	6529	8014	5386
6 1934 Regional Report Surplus Deficit	4367	4490	3985	2880	4092	3328	4070	6110	6094	6801	4952	6479	6212	3556
7 1935 Regional Report Surplus Deficit	1176	1869	2188	1347	476	183	2359	4473	5593	3338	4555	6664	6622	4840
8 1936 Regional Report Surplus Deficit	4195	2659	2752	1631	1549	-344	-245	1444	2663	3793	5183	7555	7632	3882
9 1937 Regional Report Surplus Deficit	2511	2255	2792	1694	1909	-294	-673	491	1650	2811	227	6080	5201	2050
10 1938 Regional Report Surplus Deficit	2674	2117	2718	1727	1595	979	2113	4477	5933	6586	5786	7024	7312	4817
11 1939 Regional Report Surplus Deficit	1492	2064	3032	1786	1255	-132	1632	2824	3911	4826	4893	7165	5139	3621
12 1940 Regional Report Surplus Deficit	2307	2204	2816	1693	2232	889	908	2849	6463	5290	4576	7029	5491	2694
13 1941 Regional Report Surplus Deficit	1320	1203	2357	1390	1833	485	351	1689	2470	2009	2846	5684	4382	2175
14 1942 Regional Report Surplus Deficit	1623	802	2497	1264	2711	1985	1983	3328	3440	3616	4223	6483	6792	4931
15 1943 Regional Report Surplus Deficit	3211	3108	3752	1808	511	752	2794	5007	6134	7574	6261	6945	7989	5314
16 1944 Regional Report Surplus Deficit	3853	3074	3355	1976	1716	-18.9	716	1781	2018	2509	2999	3872	1409	273
17 1945 Regional Report Surplus Deficit	1302	443	1784	966	1155	-424	86.0	1180	1945	2852	137	6455	6755	1114
18 1946 Regional Report Surplus Deficit	1783	1830	2808	1673	1859	1021	2201	4083	5580	6955	5926	6944	7233	5134
19 1947 Regional Report Surplus Deficit	4309	4281	3918	1924	2945	2948	3424	5804	6164	6169	4787	7102	7304	4832
20 1948 Regional Report Surplus Deficit	3625	2923	3339	5724	4067	2045	3344	4969	5964	5482	5415	7260	7400	5185
21 1949 Regional Report Surplus Deficit	4311	4757	4505	2277	2459	702	1657	3094	6291	6222	5678	7304	7379	1969
22 1950 Regional Report Surplus Deficit	1326	1886	2824	1723	1103	1013	3220	5529	6126	7167	5235	6627	8123	6005
23 1951 Regional Report Surplus Deficit	4438	4795	4410	3437	4411	3178	4058	6541	6207	7031	5374	6818	7397	5164
24 1952 Regional Report Surplus Deficit	4305	3049	3852	5207	3741	2107	2939	5479	6258	7252	6195	7392	7484	4918
25 1953 Regional Report Surplus Deficit	3540	2721	2727	1823	1612	-142	1074	5897	5152	4005	4385	7125	8010	5469
26 1954 Regional Report Surplus Deficit	3971	3540	3931	2223	2907	1580	2902	6048	5947	6002	5056	6906	7525	5781
27 1955 Regional Report Surplus Deficit	4567	4975	7005	2359	3651	1334	1232	3116	1202	3419	3568	6448	8046	5715
28 1956 Regional Report Surplus Deficit	4349	4247	3662	2586	3996	2971	4082	6070	5698	6557	5379	7097	7940	5366
29 1957 Regional Report Surplus Deficit	4294	4495	4023	2604	2416	1825	2074	2669	6332	7169	4767	7585	7947	4575
30 1958 Regional Report Surplus Deficit	3570	2830	2869	1809	1989	657	2656	4935	5696	5402	5431	7171	7743	4266
31 1959 Regional Report Surplus Deficit	3622	2625	2874	2069	3558	2619	3888	6037	6058	6746	4842	6766	7561	5394
32 1960 Regional Report Surplus Deficit	4402	4733	7323	6113	4182	2311	2479	4483	5814	7542	5173	6875	7492	4818
33 1961 Regional Report Surplus Deficit	4109	2642	3034	2036	2700	954	2279	5066	6349	5991	4337	6722	7269	4230
34 1962 Regional Report Surplus Deficit	3413	2454	2984	1702	2112	807	2192	4363	2963	7240	5505	7033	7200	4404
35 1963 Regional Report Surplus Deficit	3875	3124	3260	2972	3725	2424	2613	4921	4587	3889	4178	7441	7199	4692
36 1964 Regional Report Surplus Deficit	3485	2765	4085	1795	2104	958	1490	2826	3408	6351	4205	6725	8035	5749
37 1965 Regional Report Surplus Deficit	4383	4544	5089	3314	3398	3016	3853	6120	5688	5501	5899	6816	7265	4957
38 1966 Regional Report Surplus Deficit	4380	4410	3355	2385	2714	1240	2041	3871	4010	7183	4914	6321	6875	4739

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	3987	2710	3104	1667	1572	1756	3375	5721	5828	5285	1700	6662	7735	5317
40 1968 Regional Report Surplus Deficit	4189	3929	3962	2181	3152	1254	2728	5578	6408	3251	3494	6274	7451	4910
41 1969 Regional Report Surplus Deficit	4188	3858	5794	3607	4139	2094	3820	5717	5598	6930	5530	7255	7698	4976
42 1970 Regional Report Surplus Deficit	3410	2734	3459	2298	2587	524	2610	4575	4807	4396	3906	7055	7858	3520
43 1971 Regional Report Surplus Deficit	3320	2529	3053	1743	1590	1402	3887	5920	6274	7014	5140	7071	8052	5664
44 1972 Regional Report Surplus Deficit	4542	5022	4474	2767	2901	1642	3809	5838	6154	7167	5041	6911	7543	5565
45 1973 Regional Report Surplus Deficit	4482	4991	4686	2572	3020	1308	2395	3337	2931	2640	2695	5782	3120	2404
46 1974 Regional Report Surplus Deficit	1792	1235	2646	1624	1968	2195	4162	5993	5787	6584	5317	6220	7827	6137
47 1975 Regional Report Surplus Deficit	4517	5036	4445	1951	1763	738	2721	4821	6142	3955	3803	6892	7999	5725
48 1976 Regional Report Surplus Deficit	4242	4189	4714	3914	4250	3511	4057	6122	6024	7017	5068	7096	7687	5449
49 1977 Regional Report Surplus Deficit	4737	5169	7684	2660	2061	-156	602	1928	1597	2147	2167	3348	1149	116
50 1978 Regional Report Surplus Deficit	1209	461	1928	764	1407	1329	2246	4409	5116	6930	4984	7113	6856	4935
51 1979 Regional Report Surplus Deficit	3131	2567	5470	2613	2707	192	737	3882	5269	3665	4326	7402	6415	1120
52 1980 Regional Report Surplus Deficit	1752	1646	2970	1746	1674	-376	1738	2160	2814	5162	5157	7576	7623	4335
53 1981 Regional Report Surplus Deficit	2234	2371	3015	1602	2642	2421	3232	5805	4873	2646	3945	6770	7793	5058
54 1982 Regional Report Surplus Deficit	4291	4662	3899	2083	3151	1224	3018	6138	6259	7146	4916	6733	7963	6201
55 1983 Regional Report Surplus Deficit	4481	4995	5751	3731	3355	1821	3493	6111	6455	6569	4738	6827	7553	5391
56 1984 Regional Report Surplus Deficit	4452	4717	4682	2518	4482	2103	3179	5837	6705	7393	5373	7053	8027	5240
57 1985 Regional Report Surplus Deficit	4418	3434	4651	2594	3391	1285	1985	3531	4179	6072	5023	7038	6094	2998
58 1986 Regional Report Surplus Deficit	1057	1630	3018	2842	3814	1291	2711	5941	7033	7202	5421	6841	7247	4391
59 1987 Regional Report Surplus Deficit	3397	2105	2982	1764	2914	1369	1325	2924	4834	2930	3995	6789	5943	1579
60 1988 Regional Report Surplus Deficit	1739	1527	2631	1460	841	-571	308	225	2665	2991	3902	6548	4902	3641
61 1989 Regional Report Surplus Deficit	2411	2039	2660	1454	1994	601	666	484	4788	5491	5399	6961	6532	3511
62 1990 Regional Report Surplus Deficit	1995	2133	2616	1728	2775	1418	2060	5456	6083	5103	5366	6683	7566	4789
63 1991 Regional Report Surplus Deficit	4111	3791	3120	1767	4152	2020	3048	5434	5891	6291	4203	6809	7328	5193
64 1992 Regional Report Surplus Deficit	4348	4137	3204	1718	1569	-437	950	3243	4449	2473	2443	5475	2857	1453
65 1993 Regional Report Surplus Deficit	1120	720	1941	1356	1606	-181	-348	152	4029	4083	4333	6740	7072	3903
66 1994 Regional Report Surplus Deficit	2675	2290	2923	1798	2142	59.3	181	1362	3537	2818	3898	6567	5983	3055
67 1995 Regional Report Surplus Deficit	2196	1393	2527	1423	962	230	1705	4034	5077	5816	3997	7314	7712	4658
68 1996 Regional Report Surplus Deficit	3082	2507	3479	3388	4254	3654	4032	6554	6464	7349	6114	7187	7542	5273
69 1997 Regional Report Surplus Deficit	4280	4157	3886	2120	2964	2171	4111	6000	6109	6812	5646	6891	7388	5538
70 1998 Regional Report Surplus Deficit	4324	4959	5804	6049	4041	1364	2055	4760	4888	4767	4683	7230	7874	4879
71 1999 Regional Report Surplus Deficit	4313	3524	3020	2023	1360	2075	3869	5731	6025	5950	5333	6907	8002	5623
72 2000 Regional Report Surplus Deficit	4862	5215	4650	2196	4121	2480	2686	4874	5913	7291	5624	7011	6085	4452
73 2001 Regional Report Surplus Deficit	4050	2183	2639	1865	1581	-154	376	1571	2103	2367	2545	5187	802	837
74 2002 Regional Report Surplus Deficit	1479	520	1800	720	1348	302	533	1710	3591	4943	5134	6741	7510	4986
75 2003 Regional Report Surplus Deficit	3190	3208	2824	1714	2034	-72.9	377	1323	5554	4863	4336	6689	7533	2909
76 2004 Regional Report Surplus Deficit	1226	1536	2666	1472	2906	1007	921	1128	4092	3739	3984	6813	6467	3867
77 2005 Regional Report Surplus Deficit	1065	2425	3590	2188	2370	1091	1467	3983	3014	2706	3457	6819	6541	3619

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2024**

**2017 White Book** Report Date: **6/1/2017** *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	2586	1706	2862	1652	2732	1015	2855	5581	5839	7146	5560	7103	7778	4478
79 2007 Regional Report Surplus Deficit	2649	1786	2780	1562	2788	1076	2371	3905	6562	6275	4356	6830	6491	4749
80 2008 Regional Report Surplus Deficit	2692	1749	2678	1506	2093	18.3	970	2242	3858	4470	2221	6789	8116	4995
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>1184</b>	<b>1286</b>	<b>2434</b>	<b>1541</b>	<b>1946</b>	<b>597</b>	<b>1224</b>	<b>2869</b>	<b>4162</b>	<b>4107</b>	<b>3715</b>	<b>6641</b>	<b>6493</b>	<b>3605</b>
82 <b>Middle 80 pct</b>	<b>3315</b>	<b>2882</b>	<b>3403</b>	<b>2239</b>	<b>2477</b>	<b>1179</b>	<b>2134</b>	<b>4050</b>	<b>4977</b>	<b>5386</b>	<b>4552</b>	<b>6753</b>	<b>6861</b>	<b>4249</b>
83 <b>Top 10 pct</b>	<b>4580</b>	<b>5015</b>	<b>5422</b>	<b>2594</b>	<b>3169</b>	<b>1409</b>	<b>2515</b>	<b>4483</b>	<b>4637</b>	<b>5073</b>	<b>4126</b>	<b>6284</b>	<b>6190</b>	<b>4326</b>

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**Regional Report Surplus Deficit By Water Year**

**Operating Year 2025**

**2017 White Book Report Date: 6/1/2017**

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	3231	2944	2511	1757	1536	-236	140	972	1560	1472	2696	5389	4659	-96.6
2 1930 Regional Report Surplus Deficit	1853	1645	2045	1335	1539	-399	-628	1350	1682	1983	2706	5101	2795	2842
3 1931 Regional Report Surplus Deficit	2046	1464	1833	1331	1713	-367	-632	-386	2792	2081	-887	5437	1568	2194
4 1932 Regional Report Surplus Deficit	1862	1175	1616	1066	735	-341	-176	-1008	4332	5480	4411	7084	6400	4492
5 1933 Regional Report Surplus Deficit	3329	2650	2938	1626	1348	1303	2290	4089	5389	3309	3365	6432	6755	5245
6 1934 Regional Report Surplus Deficit	3982	4115	3363	2615	3937	3193	3851	5330	5873	5441	4064	6383	5038	3378
7 1935 Regional Report Surplus Deficit	929	1572	1561	1143	363	87.7	2165	3707	5352	2023	3651	6572	5536	4683
8 1936 Regional Report Surplus Deficit	3807	2356	2125	1443	1400	-429	-307	771	2264	2481	4301	7472	6406	3704
9 1937 Regional Report Surplus Deficit	2218	1959	2165	1494	1745	-385	-765	-165	1179	1491	-688	6016	4246	1938
10 1938 Regional Report Surplus Deficit	2366	1823	2090	1535	1448	859	1892	3714	5711	5211	4886	6930	6121	4649
11 1939 Regional Report Surplus Deficit	1252	1772	2406	1589	1119	-203	1391	2115	3587	3505	4007	7073	4173	3447
12 1940 Regional Report Surplus Deficit	2020	1908	2188	1479	2059	760	671	2146	6220	3953	3676	6938	4479	2547
13 1941 Regional Report Surplus Deficit	1056	912	1729	1198	1669	375	177	1013	2070	677	1914	5605	3405	2009
14 1942 Regional Report Surplus Deficit	1294	503	1872	1084	2534	1845	1760	2601	3109	2302	3317	6392	5653	4800
15 1943 Regional Report Surplus Deficit	2848	2780	3134	1601	398	642	2619	4241	5912	6198	5341	6848	6712	5184
16 1944 Regional Report Surplus Deficit	3487	2757	2728	1799	1568	-97.4	493	1100	1551	1176	2068	3915	540	188
17 1945 Regional Report Surplus Deficit	983	150	1156	779	1000	-519	-23.4	527	1470	1522	-773	6358	5551	1043
18 1946 Regional Report Surplus Deficit	1508	1534	2181	1494	1708	899	1975	3334	5337	5568	5008	6850	6054	4992
19 1947 Regional Report Surplus Deficit	3923	3919	3297	1755	2771	2812	3297	5014	5942	4815	3895	7011	6100	4684
20 1948 Regional Report Surplus Deficit	3268	2615	2715	5373	3889	1905	3210	4195	5722	4151	4533	7169	6177	5056
21 1949 Regional Report Surplus Deficit	3927	4372	3891	2054	2293	587	1432	2377	6070	4852	4784	7219	6191	1862
22 1950 Regional Report Surplus Deficit	1088	1594	2201	1543	971	885	3073	4749	5905	5784	4349	6530	6856	5811
23 1951 Regional Report Surplus Deficit	4053	4414	3792	3158	4238	3043	3759	5632	5943	5670	4488	6728	6204	5031
24 1952 Regional Report Surplus Deficit	3919	2736	3229	4871	3558	1967	2788	4700	6015	5869	5266	7300	6275	4758
25 1953 Regional Report Surplus Deficit	3171	2418	2101	1638	1461	-229	865	5111	4896	2692	3471	7028	6742	5337
26 1954 Regional Report Surplus Deficit	3596	3206	3308	2007	2732	1446	2723	5257	5726	4656	4164	6812	6262	5599
27 1955 Regional Report Surplus Deficit	4200	4541	6406	2134	3468	1198	997	2391	705	2107	2648	6355	6805	5565
28 1956 Regional Report Surplus Deficit	3965	3886	3036	2345	3817	2836	3863	5290	5478	5197	4465	7007	6695	5232
29 1957 Regional Report Surplus Deficit	3906	4121	3400	2368	2253	1688	1862	1969	6089	5789	3869	7490	6689	4397
30 1958 Regional Report Surplus Deficit	3225	2522	2242	1618	1830	551	2458	4176	5456	4057	4544	7086	6472	4085
31 1959 Regional Report Surplus Deficit	3269	2321	2247	1855	3375	2481	3770	5245	5837	5374	3945	6669	6296	5251
32 1960 Regional Report Surplus Deficit	4017	4352	6709	5780	4029	2172	2308	3723	5573	6166	4279	6786	6266	4668
33 1961 Regional Report Surplus Deficit	3727	2341	2408	1823	2528	831	2084	4298	6128	4628	3424	6629	6001	4053
34 1962 Regional Report Surplus Deficit	3064	2142	2357	1526	1953	687	1981	3606	2591	5853	4594	6937	6026	4225
35 1963 Regional Report Surplus Deficit	3503	2805	2632	2709	3542	2285	2452	4158	4322	2577	3263	7345	6044	4534
36 1964 Regional Report Surplus Deficit	3120	2456	3466	1613	1946	836	1249	2115	3067	4986	3281	6628	6838	5586
37 1965 Regional Report Surplus Deficit	3997	4168	4481	3030	3216	2882	3587	5283	5468	4166	4992	6727	6042	4802
38 1966 Regional Report Surplus Deficit	3992	4043	2728	2144	2541	1109	1811	3127	3701	5800	4003	6253	5739	4584

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2025**

**2017 White Book** Report Date: 6/1/2017 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	3603	2406	2477	1478	1427	1618	3240	4931	5607	3957	770	6565	6508	5188
40 1968 Regional Report Surplus Deficit	3804	3580	3341	1956	2973	1123	2534	4798	6161	1936	2567	6211	6205	4770
41 1969 Regional Report Surplus Deficit	3801	3510	5195	3312	3962	1953	3601	4938	5376	5571	4603	7171	6460	4825
42 1970 Regional Report Surplus Deficit	3069	2427	2832	2070	2417	422	2404	3816	4541	3081	2986	6958	6588	3357
43 1971 Regional Report Surplus Deficit	2985	2226	2425	1550	1448	1271	3668	5141	6053	5640	4259	6981	6839	5520
44 1972 Regional Report Surplus Deficit	4155	4637	3855	2528	2731	1508	3632	5058	5934	5807	4154	6812	6302	5416
45 1973 Regional Report Surplus Deficit	4103	4576	4071	2336	2847	1182	2180	2613	2553	1300	1763	5717	2210	2249
46 1974 Regional Report Surplus Deficit	1486	938	2018	1429	1820	2055	3945	5214	5567	5224	4402	6121	6572	5908
47 1975 Regional Report Surplus Deficit	4135	4611	3828	1782	1617	632	2527	4054	5903	2642	2882	6797	6719	5590
48 1976 Regional Report Surplus Deficit	3860	3838	4101	3616	4077	3378	3940	5342	5804	5657	4175	7010	6453	5305
49 1977 Regional Report Surplus Deficit	4376	4736	7057	2417	1905	-243	364	1238	1093	806	1235	3404	281	28.9
50 1978 Regional Report Surplus Deficit	888	167	1305	607	1258	1198	2032	3649	4867	5548	4090	7018	5727	4779
51 1979 Regional Report Surplus Deficit	2805	2265	4868	2358	2535	107	506	3145	5013	2354	3415	7306	5345	1056
52 1980 Regional Report Surplus Deficit	1468	1354	2344	1543	1519	-441	1498	1478	2410	3821	4269	7513	6381	4153
53 1981 Regional Report Surplus Deficit	1929	2071	2389	1401	2468	2281	3101	5015	4618	1322	3024	6673	6540	4929
54 1982 Regional Report Surplus Deficit	3905	4280	3279	1878	2971	1097	2853	5360	6039	5773	4035	6649	6683	5987
55 1983 Regional Report Surplus Deficit	4093	4610	5150	3442	3175	1684	3353	5332	6235	5205	3840	6732	6323	5261
56 1984 Regional Report Surplus Deficit	4063	4341	4066	2295	4314	1963	3013	5052	6459	6012	4469	6959	6749	5110
57 1985 Regional Report Surplus Deficit	4031	3110	4035	2373	3213	1157	1758	2800	3892	4712	4136	6941	5049	2845
58 1986 Regional Report Surplus Deficit	831	1338	2390	2587	3631	1158	2517	5156	6813	5826	4525	6744	6043	4210
59 1987 Regional Report Surplus Deficit	3057	1809	2355	1589	2740	1238	1089	2213	4568	1609	3073	6692	4873	1486
60 1988 Regional Report Surplus Deficit	1472	1236	2004	1264	688	-636	145	-412	2275	1670	2978	6493	3950	3465
61 1989 Regional Report Surplus Deficit	2090	1741	2032	1272	1835	485	457	-154	4519	4158	4498	6864	5456	3343
62 1990 Regional Report Surplus Deficit	1717	1838	1989	1528	2600	1280	1836	4666	5862	3755	4474	6588	6320	4627
63 1991 Regional Report Surplus Deficit	3723	3443	2493	1590	3982	1880	2907	4649	5670	4918	3295	6712	6111	5042
64 1992 Regional Report Surplus Deficit	3964	3777	2577	1538	1422	-497	714	2519	4184	1132	1512	5418	1935	1318
65 1993 Regional Report Surplus Deficit	831	427	1314	1154	1442	-271	-416	-492	3726	2768	3417	6643	5944	3727
66 1994 Regional Report Surplus Deficit	2353	1984	2296	1602	1974	-44.5	26.2	694	3196	1492	2974	6500	4921	2899
67 1995 Regional Report Surplus Deficit	1885	1098	1900	1224	827	131	1465	3299	4814	4461	3081	7217	6459	4484
68 1996 Regional Report Surplus Deficit	2765	2203	2858	3098	4106	3499	3814	5775	6244	5988	5226	7104	6302	5129
69 1997 Regional Report Surplus Deficit	3891	3797	3264	1915	2789	2031	3894	5221	5889	5451	4732	6812	6119	5379
70 1998 Regional Report Surplus Deficit	3935	4573	5202	5698	3862	1237	1818	3996	4619	3443	3783	7144	6630	4713
71 1999 Regional Report Surplus Deficit	3926	3198	2393	1839	1226	1935	3661	4951	5804	4578	4446	6810	6725	5466
72 2000 Regional Report Surplus Deficit	4497	4828	4035	1988	3960	2340	2491	4107	5674	5909	4726	6916	5064	4281
73 2001 Regional Report Surplus Deficit	3670	1890	2012	1668	1431	-239	151	891	1667	1031	1612	5169	-62.3	722
74 2002 Regional Report Surplus Deficit	1155	228	1177	563	1197	197	344	1031	3271	3610	4249	6646	6245	4857
75 2003 Regional Report Surplus Deficit	2862	2887	2197	1502	1871	-164	209	655	5309	3536	3431	6593	6289	2757
76 2004 Regional Report Surplus Deficit	981	1244	2040	1271	2725	878	690	472	3796	2424	3067	6721	5363	3689
77 2005 Regional Report Surplus Deficit	818	2121	2968	1940	2198	956	1237	3229	2667	1391	2533	6722	5427	3448



**Regional Report Surplus Deficit By Water Year**

**Operating Year 2025**

**2017 White Book** Report Date: **6/1/2017** *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	2260	1408	2234	1455	2555	888	2682	4798	5597	5763	4637	7017	6518	4300
79 2007 Regional Report Surplus Deficit	2349	1493	2156	1382	2612	947	2179	3158	6340	4910	3449	6733	5382	4585
80 2008 Regional Report Surplus Deficit	2390	1457	2055	1289	1917	-80.1	734	1541	3551	3154	1290	6695	6873	4842
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>915</b>	<b>991</b>	<b>1808</b>	<b>1335</b>	<b>1786</b>	<b>483</b>	<b>1047</b>	<b>2157</b>	<b>3845</b>	<b>2772</b>	<b>2803</b>	<b>6548</b>	<b>5374</b>	<b>3448</b>
82 <b>Middle 80 pct</b>	<b>2969</b>	<b>2561</b>	<b>2780</b>	<b>2022</b>	<b>2316</b>	<b>1061</b>	<b>1942</b>	<b>3308</b>	<b>4701</b>	<b>4038</b>	<b>3645</b>	<b>6671</b>	<b>5690</b>	<b>4099</b>
83 <b>Top 10 pct</b>	<b>4203</b>	<b>4610</b>	<b>4809</b>	<b>2365</b>	<b>3002</b>	<b>1283</b>	<b>2320</b>	<b>3730</b>	<b>4319</b>	<b>3724</b>	<b>3215</b>	<b>6212</b>	<b>5056</b>	<b>4188</b>

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**Regional Report Surplus Deficit By Water Year**

**Operating Year 2026**

**2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	2949	2758	2540	1504	1278	-932	-825	-53.5	831	1165	2501	4837	4609	-1217
2 1930 Regional Report Surplus Deficit	1525	1421	2074	1107	1293	-1099	-1666	321	954	1657	2508	4507	2636	1890
3 1931 Regional Report Surplus Deficit	1736	1240	1862	1106	1475	-1051	-1723	-1444	1945	1755	-1097	4903	1400	1244
4 1932 Regional Report Surplus Deficit	1577	952	1645	810	468	-1032	-1228	-2089	3426	5231	4180	6598	6581	3553
5 1933 Regional Report Surplus Deficit	3051	2454	2962	1385	1084	659	1306	3166	4445	2999	3154	5954	6954	4274
6 1934 Regional Report Surplus Deficit	3739	3967	3387	2444	3688	2548	2920	4421	4927	5179	3828	5905	5151	2444
7 1935 Regional Report Surplus Deficit	548	1346	1590	911	71.8	-597	1194	2771	4411	1700	3431	6090	5561	3728
8 1936 Regional Report Surplus Deficit	3566	2135	2154	1195	1145	-1124	-1409	-259	1481	2155	4060	6980	6571	2770
9 1937 Regional Report Surplus Deficit	1882	1732	2193	1258	1505	-1074	-1838	-1211	469	1174	-896	5506	4140	938
10 1938 Regional Report Surplus Deficit	2046	1594	2119	1291	1191	199	949	2775	4766	4949	4662	6449	6251	3705
11 1939 Regional Report Surplus Deficit	864	1540	2434	1350	851	-912	467	1122	2729	3188	3769	6590	4078	2509
12 1940 Regional Report Surplus Deficit	1678	1681	2217	1256	1828	109	-257	1147	5282	3652	3452	6454	4430	1582
13 1941 Regional Report Surplus Deficit	691	679	1758	954	1429	-295	-814	-13.5	1289	372	1723	5109	3322	1063
14 1942 Regional Report Surplus Deficit	994	278	1898	828	2307	1205	818	1625	2258	1979	3100	5908	5731	3819
15 1943 Regional Report Surplus Deficit	2582	2584	3153	1372	107	-28.0	1629	3305	4967	5936	5137	6370	6929	4202
16 1944 Regional Report Surplus Deficit	3224	2550	2756	1540	1312	-799	-449	78.3	836	872	1875	3297	349	-839
17 1945 Regional Report Surplus Deficit	673	-80.4	1185	530	752	-1205	-1079	-522	764	1214	-987	5880	5695	1.73
18 1946 Regional Report Surplus Deficit	1154	1306	2210	1237	1455	241	1036	2381	4399	5317	4802	6369	6172	4022
19 1947 Regional Report Surplus Deficit	3680	3757	3320	1487	2542	2168	2259	4101	4997	4531	3663	6527	6244	3720
20 1948 Regional Report Surplus Deficit	2996	2400	2741	5288	3663	1265	2179	3266	4782	3844	4291	6686	6340	4073
21 1949 Regional Report Surplus Deficit	3682	4233	3907	1841	2055	-78.5	493	1392	5125	4584	4555	6729	6319	857
22 1950 Regional Report Surplus Deficit	697	1363	2225	1287	699	233	2055	3840	4960	5529	4111	6052	7063	4893
23 1951 Regional Report Surplus Deficit	3809	4272	3811	3001	4007	2398	2908	4853	5041	5408	4250	6243	6337	4052
24 1952 Regional Report Surplus Deficit	3677	2525	3254	4771	3337	1327	1774	3776	5076	5614	5071	6817	6424	3806
25 1953 Regional Report Surplus Deficit	2911	2197	2128	1387	1209	-923	-91.1	4195	3970	2367	3262	6550	6950	4357
26 1954 Regional Report Surplus Deficit	3342	3017	3332	1787	2503	800	1737	4345	4781	4364	3933	6331	6464	4670
27 1955 Regional Report Surplus Deficit	3938	4451	6406	1923	3247	553	67.6	1414	20.1	1782	2444	5873	6986	4603
28 1956 Regional Report Surplus Deficit	3720	3723	3063	2150	3592	2191	2931	4381	4531	4935	4271	6522	6879	4254
29 1957 Regional Report Surplus Deficit	3665	3971	3424	2168	2012	1045	909	967	5150	5532	3644	7010	6887	3463
30 1958 Regional Report Surplus Deficit	2941	2307	2271	1373	1586	-123	1492	3233	4515	3764	4307	6596	6683	3154
31 1959 Regional Report Surplus Deficit	2993	2101	2276	1633	3154	1839	2723	4335	4892	5109	3718	6191	6501	4283
32 1960 Regional Report Surplus Deficit	3774	4209	6725	5677	3778	1531	1314	2780	4632	5905	4049	6300	6431	3706
33 1961 Regional Report Surplus Deficit	3480	2119	2436	1600	2296	174	1114	3363	5183	4354	3213	6147	6209	3118
34 1962 Regional Report Surplus Deficit	2784	1931	2386	1266	1708	27.2	1027	2661	1781	5602	4381	6459	6140	3292
35 1963 Regional Report Surplus Deficit	3246	2600	2661	2536	3322	1644	1448	3218	3405	2252	3055	6866	6139	3580
36 1964 Regional Report Surplus Deficit	2856	2242	3486	1359	1700	178	325	1124	2226	4714	3081	6150	6974	4638
37 1965 Regional Report Surplus Deficit	3754	4020	4490	2878	2994	2236	2703	4431	4522	3863	4775	6241	6204	3845
38 1966 Regional Report Surplus Deficit	3751	3887	2756	1949	2310	460	876	2168	2829	5546	3790	5746	5815	3628

**Regional Report Surplus Deficit By Water Year**

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**2017 White Book** Report Date: 6/1/2017 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	3358	2187	2505	1231	1168	976	2210	4019	4662	3648	576	6087	6675	4206
40 1968 Regional Report Surplus Deficit	3560	3405	3363	1745	2748	474	1563	3875	5227	1613	2370	5699	6391	3798
41 1969 Regional Report Surplus Deficit	3559	3334	5195	3171	3735	1313	2670	4028	4431	5308	4406	6680	6637	3865
42 1970 Regional Report Surplus Deficit	2782	2210	2860	1862	2183	-256	1445	2872	3626	2759	2782	6480	6798	2408
43 1971 Regional Report Surplus Deficit	2691	2005	2454	1307	1187	622	2737	4231	5107	5376	4016	6496	6992	4552
44 1972 Regional Report Surplus Deficit	3913	4499	3875	2331	2497	862	2645	4150	4988	5545	3917	6342	6483	4453
45 1973 Regional Report Surplus Deficit	3853	4467	4087	2136	2616	528	1231	1635	1750	1002	1571	5208	2059	1292
46 1974 Regional Report Surplus Deficit	1163	711	2047	1188	1564	1415	3012	4304	4620	4962	4208	5651	6766	5026
47 1975 Regional Report Surplus Deficit	3889	4513	3847	1515	1359	-42.1	1557	3118	4960	2318	2679	6317	6938	4613
48 1976 Regional Report Surplus Deficit	3613	3665	4116	3478	3846	2731	2893	4433	4858	5395	3944	6521	6627	4338
49 1977 Regional Report Surplus Deficit	4108	4646	7086	2224	1657	-936	-563	225	415	510	1044	2774	88.2	-996
50 1978 Regional Report Surplus Deficit	580	-62.2	1330	328	1003	549	1082	2706	3934	5293	3860	6538	5795	3823
51 1979 Regional Report Surplus Deficit	2502	2043	4871	2177	2304	-588	-428	2180	4087	2028	3202	6827	5355	7.86
52 1980 Regional Report Surplus Deficit	1124	1123	2372	1310	1270	-1156	573	457	1633	3525	4034	7001	6562	3223
53 1981 Regional Report Surplus Deficit	1605	1847	2417	1165	2238	1641	2067	4103	3692	1008	2822	6195	6732	3946
54 1982 Regional Report Surplus Deficit	3662	4139	3301	1647	2747	444	1853	4450	5093	5509	3792	6158	6903	5089
55 1983 Regional Report Surplus Deficit	3853	4472	5152	3295	2951	1041	2328	4422	5288	4932	3614	6252	6493	4279
56 1984 Regional Report Surplus Deficit	3823	4194	4083	2081	4078	1323	2015	4134	5524	5755	4250	6479	6967	4128
57 1985 Regional Report Surplus Deficit	3790	2910	4052	2158	2987	505	820	1828	2998	4434	3899	6464	5034	1886
58 1986 Regional Report Surplus Deficit	428	1107	2419	2406	3410	511	1546	4239	5867	5564	4297	6266	6187	3279
59 1987 Regional Report Surplus Deficit	2768	1581	2383	1328	2510	588	161	1222	3652	1292	2871	6214	4882	467
60 1988 Regional Report Surplus Deficit	1110	1003	2032	1024	437	-1351	-857	-1478	1484	1354	2779	5973	3842	2529
61 1989 Regional Report Surplus Deficit	1782	1515	2061	1018	1590	-179	-499	-1219	3606	3854	4275	6386	5471	2399
62 1990 Regional Report Surplus Deficit	1366	1609	2017	1292	2371	638	895	3754	4917	3465	4243	6108	6506	3678
63 1991 Regional Report Surplus Deficit	3482	3268	2522	1331	3748	1240	1883	3732	4725	4653	3079	6234	6268	4081
64 1992 Regional Report Surplus Deficit	3719	3613	2606	1282	1165	-1217	-215	1540	3267	836	1320	4900	1796	341
65 1993 Regional Report Surplus Deficit	491	196	1342	920	1203	-961	-1513	-1551	2847	2446	3210	6165	6012	2791
66 1994 Regional Report Surplus Deficit	2047	1766	2325	1361	1738	-721	-984	-340	2355	1180	2775	5993	4922	1943
67 1995 Regional Report Surplus Deficit	1567	869	1929	987	558	-550	540	2331	3895	4178	2873	6739	6651	3546
68 1996 Regional Report Surplus Deficit	2453	1983	2881	2952	3850	2874	2882	4865	5298	5726	4990	6612	6481	4161
69 1997 Regional Report Surplus Deficit	3651	3633	3287	1684	2560	1391	2961	4311	4943	5189	4538	6316	6327	4426
70 1998 Regional Report Surplus Deficit	3695	4435	5206	5613	3637	584	890	3057	3706	3130	3559	6655	6813	3767
71 1999 Regional Report Surplus Deficit	3684	3001	2422	1586	956	1294	2705	4042	4858	4312	4210	6332	6942	4511
72 2000 Regional Report Surplus Deficit	4234	4691	4051	1760	3717	1700	1521	3172	4732	5654	4500	6436	5024	3340
73 2001 Regional Report Surplus Deficit	3421	1660	2040	1429	1177	-934	-789	-132	921	730	1421	4612	-258	-274
74 2002 Regional Report Surplus Deficit	850	-3.24	1201	284	945	-479	-632	7.91	2410	3305	4010	6166	6449	3874
75 2003 Regional Report Surplus Deficit	2562	2685	2226	1278	1630	-853	-788	-379	4372	3226	3212	6114	6472	1797
76 2004 Regional Report Surplus Deficit	597	1012	2067	1036	2502	226	-244	-574	2911	2101	2860	6238	5407	2756
77 2005 Regional Report Surplus Deficit	436	1901	2991	1752	1967	311	303	2281	1833	1069	2333	6244	5481	2507

**Regional Report Surplus Deficit By Water Year**

**Operating Year 2026**

**2017 White Book** Report Date: **6/1/2017** *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	1957	1182	2263	1215	2328	235	1690	3879	4657	5508	4436	6528	6717	3366
79 2007 Regional Report Surplus Deficit	2020	1263	2181	1126	2384	296	1206	2203	5396	4638	3233	6255	5431	3637
80 2008 Regional Report Surplus Deficit	2064	1225	2080	1070	1689	-762	-195	539	2676	2832	1097	6215	7055	3883
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>556</b>	<b>762</b>	<b>1835</b>	<b>1105</b>	<b>1542</b>	<b>-183</b>	<b>59.3</b>	<b>1167</b>	<b>2982</b>	<b>2470</b>	<b>2591</b>	<b>6066</b>	<b>5432</b>	<b>2494</b>
82 <b>Middle 80 pct</b>	<b>2686</b>	<b>2358</b>	<b>2805</b>	<b>1803</b>	<b>2074</b>	<b>399</b>	<b>972</b>	<b>2350</b>	<b>3801</b>	<b>3750</b>	<b>3429</b>	<b>6178</b>	<b>5800</b>	<b>3137</b>
83 <b>Top 10 pct</b>	<b>3951</b>	<b>4492</b>	<b>4824</b>	<b>2158</b>	<b>2765</b>	<b>629</b>	<b>1350</b>	<b>2784</b>	<b>3460</b>	<b>3437</b>	<b>3002</b>	<b>5710</b>	<b>5130</b>	<b>3214</b>

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**Regional Report Surplus Deficit By Water Year**

**Operating Year 2027**

**2017 White Book Report Date: 6/1/2017**

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	2009	1787	1521	715	425	-1353	-1026	-158	477	1458	2423	4892	3630	-1305
2 1930 Regional Report Surplus Deficit	631	488	1055	294	428	-1516	-1794	220	600	1968	2433	4604	1765	1633
3 1931 Regional Report Surplus Deficit	824	306	843	290	603	-1485	-1797	-1516	1710	2067	-1160	4940	539	986
4 1932 Regional Report Surplus Deficit	640	17.8	626	24.2	-375	-1459	-1342	-2138	3249	5466	4138	6587	5371	3283
5 1933 Regional Report Surplus Deficit	2107	1493	1948	585	238	185	1125	2960	4324	3295	3091	5936	5726	4036
6 1934 Regional Report Surplus Deficit	2759	2958	2373	1574	2827	2075	2702	4217	4808	5443	3790	5886	4009	2169
7 1935 Regional Report Surplus Deficit	-293	415	571	102	-747	-1030	1000	2577	4269	2009	3377	6075	4506	3475
8 1936 Regional Report Surplus Deficit	2585	1198	1135	402	290	-1547	-1472	-359	1181	2467	4028	6975	5377	2496
9 1937 Regional Report Surplus Deficit	996	802	1175	453	635	-1503	-1930	-1294	96.1	1476	-962	5520	3216	729
10 1938 Regional Report Surplus Deficit	1143	665	1100	494	338	-258	726	2584	4645	5197	4612	6434	5092	3440
11 1939 Regional Report Surplus Deficit	30.0	615	1416	547	9.05	-1321	225	985	2504	3490	3734	6576	3144	2238
12 1940 Regional Report Surplus Deficit	797	751	1198	438	948	-358	-495	1017	5137	3939	3402	6442	3449	1339
13 1941 Regional Report Surplus Deficit	-167	-245	739	157	559	-743	-989	-116	988	663	1641	5108	2375	800
14 1942 Regional Report Surplus Deficit	71.4	-654	882	42.5	1424	727	595	1471	2026	2288	3044	5896	4623	3592
15 1943 Regional Report Surplus Deficit	1626	1623	2144	560	-712	-476	1454	3111	4846	6183	5068	6352	5682	3975
16 1944 Regional Report Surplus Deficit	2264	1600	1738	758	458	-1215	-672	-29.4	468	1162	1794	3419	-489	-1020
17 1945 Regional Report Surplus Deficit	-239	-1007	166	-263	-111	-1637	-1189	-603	387	1508	-1046	5861	4521	-166
18 1946 Regional Report Surplus Deficit	286	377	1191	453	598	-219	810	2204	4254	5554	4734	6353	5025	3784
19 1947 Regional Report Surplus Deficit	2701	2762	2307	713	1661	1695	2131	3885	4876	4801	3621	6514	5070	3476
20 1948 Regional Report Surplus Deficit	2045	1458	1725	4332	2779	787	2045	3065	4640	4137	4260	6672	5148	3848
21 1949 Regional Report Surplus Deficit	2705	3215	2901	1013	1183	-531	267	1247	5004	4838	4510	6722	5161	653
22 1950 Regional Report Surplus Deficit	-134	436	1211	502	-139	-233	1907	3636	4839	5770	4075	6033	5842	4602
23 1951 Regional Report Surplus Deficit	2830	3256	2802	2117	3128	1926	2609	4518	4877	5672	4214	6231	5174	3823
24 1952 Regional Report Surplus Deficit	2696	1578	2239	3830	2448	849	1622	3570	4932	5855	4992	6803	5245	3550
25 1953 Regional Report Surplus Deficit	1949	1261	1111	597	351	-1346	-300	3981	3814	2678	3197	6532	5713	4128
26 1954 Regional Report Surplus Deficit	2374	2049	2318	966	1622	328	1557	4127	4660	4642	3890	6315	5233	4391
27 1955 Regional Report Surplus Deficit	2978	3384	5416	1093	2358	79.9	-168	1261	-377	2093	2374	5859	5775	4357
28 1956 Regional Report Surplus Deficit	2742	2729	2046	1304	2706	1718	2713	4176	4412	5198	4206	6510	5665	4024
29 1957 Regional Report Surplus Deficit	2684	2964	2410	1327	1142	570	696	839	5006	5775	3596	6993	5659	3189
30 1958 Regional Report Surplus Deficit	2003	1365	1252	576	720	-567	1293	3046	4373	4042	4270	6589	5443	2877
31 1959 Regional Report Surplus Deficit	2047	1164	1257	814	2265	1363	2605	4115	4771	5359	3672	6172	5267	4043
32 1960 Regional Report Surplus Deficit	2795	3195	5719	4738	2919	1055	1143	2593	4490	6152	4006	6289	5237	3460
33 1961 Regional Report Surplus Deficit	2505	1184	1418	782	1418	-286	918	3168	5062	4614	3150	6132	4971	2845
34 1962 Regional Report Surplus Deficit	1841	985	1367	484	842	-431	816	2477	1508	5839	4321	6441	4996	3016
35 1963 Regional Report Surplus Deficit	2281	1648	1642	1668	2432	1167	1287	3029	3239	2563	2990	6848	5015	3325
36 1964 Regional Report Surplus Deficit	1898	1299	2476	571	836	-281	83.4	985	1984	4972	3007	6131	5808	4378
37 1965 Regional Report Surplus Deficit	2775	3011	3491	1988	2105	1764	2437	4169	4402	4151	4718	6230	5013	3594
38 1966 Regional Report Surplus Deficit	2770	2886	1738	1103	1431	-8.48	646	1998	2618	5786	3729	5756	4709	3376

**Regional Report Surplus Deficit By Water Year**

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**2017 White Book** Report Date: 6/1/2017 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	2381	1248	1487	437	317	500	2075	3801	4541	3943	496	6069	5479	3980
40 1968 Regional Report Surplus Deficit	2582	2423	2351	915	1863	5.30	1369	3668	5078	1922	2294	5714	5176	3562
41 1969 Regional Report Surplus Deficit	2578	2353	4205	2270	2851	836	2451	3824	4311	5572	4330	6675	5430	3617
42 1970 Regional Report Surplus Deficit	1847	1270	1842	1029	1307	-696	1239	2687	3459	3067	2712	6462	5559	2149
43 1971 Regional Report Surplus Deficit	1763	1069	1436	508	338	153	2519	4028	4988	5626	3986	6484	5810	4312
44 1972 Regional Report Surplus Deficit	2933	3480	2865	1487	1620	390	2483	3945	4868	5808	3881	6323	5272	4208
45 1973 Regional Report Surplus Deficit	2881	3418	3081	1294	1736	64.6	1014	1483	1471	1286	1490	5220	1180	1040
46 1974 Regional Report Surplus Deficit	263	-219	1028	388	709	937	2795	4100	4501	5225	4144	5632	5543	4700
47 1975 Regional Report Surplus Deficit	2912	3454	2838	740	506	-486	1362	2925	4820	2628	2608	6300	5689	4382
48 1976 Regional Report Surplus Deficit	2638	2681	3111	2575	2967	2260	2774	4228	4738	5659	3901	6514	5423	4097
49 1977 Regional Report Surplus Deficit	3154	3579	6067	1376	795	-1361	-801	108	10.0	792	961	2907	-749	-1179
50 1978 Regional Report Surplus Deficit	-334	-991	315	-434	148	80.3	866	2520	3784	5534	3816	6522	4697	3571
51 1979 Regional Report Surplus Deficit	1582	1108	3878	1316	1425	-1011	-660	2016	3930	2339	3142	6809	4316	-152
52 1980 Regional Report Surplus Deficit	245	197	1354	501	408	-1559	333	348	1328	3807	3995	7017	5351	2945
53 1981 Regional Report Surplus Deficit	707	913	1399	360	1357	1163	1936	3886	3535	1308	2751	6177	5510	3721
54 1982 Regional Report Surplus Deficit	2683	3123	2289	837	1861	-20.3	1688	4246	4973	5759	3761	6153	5653	4778
55 1983 Regional Report Surplus Deficit	2871	3453	4160	2400	2065	566	2188	4218	5169	5191	3567	6235	5293	4052
56 1984 Regional Report Surplus Deficit	2841	3184	3077	1254	3204	845	1848	3922	5376	5998	4195	6463	5719	3902
57 1985 Regional Report Surplus Deficit	2809	1953	3045	1332	2103	39.5	593	1670	2809	4698	3863	6445	4020	1636
58 1986 Regional Report Surplus Deficit	-391	180	1400	1546	2520	39.9	1352	4026	5747	5811	4252	6248	5013	3001
59 1987 Regional Report Surplus Deficit	1834	652	1365	547	1629	120	-76.4	1084	3485	1595	2800	6195	3843	277
60 1988 Regional Report Surplus Deficit	250	79.2	1014	223	-422	-1754	-1021	-1541	1192	1655	2704	5997	2921	2257
61 1989 Regional Report Surplus Deficit	868	584	1042	230	725	-632	-708	-1284	3437	4144	4225	6368	4426	2134
62 1990 Regional Report Surplus Deficit	495	681	999	487	1490	162	670	3536	4796	3741	4201	6091	5291	3419
63 1991 Regional Report Surplus Deficit	2501	2286	1503	549	2871	762	1741	3519	4604	4904	3021	6215	5082	3833
64 1992 Regional Report Surplus Deficit	2742	2620	1587	497	312	-1614	-452	1389	3102	1118	1238	4922	905	110
65 1993 Regional Report Surplus Deficit	-391	-730	324	113	332	-1389	-1581	-1622	2644	2754	3144	6146	4914	2519
66 1994 Regional Report Surplus Deficit	1131	827	1306	560	864	-1162	-1139	-436	2114	1478	2701	6003	3891	1690
67 1995 Regional Report Surplus Deficit	663	-59.1	910	183	-284	-987	299	2169	3731	4446	2807	6720	5429	3275
68 1996 Regional Report Surplus Deficit	1543	1046	1868	2056	2996	2381	2664	4662	5178	5990	4952	6607	5272	3921
69 1997 Regional Report Surplus Deficit	2669	2639	2274	874	1678	913	2744	4107	4824	5453	4474	6315	5090	4170
70 1998 Regional Report Surplus Deficit	2713	3416	4212	4656	2752	119	652	2867	3536	3429	3509	6647	5601	3504
71 1999 Regional Report Surplus Deficit	2704	2041	1403	798	115	817	2511	3837	4739	4564	4173	6314	5695	4257
72 2000 Regional Report Surplus Deficit	3275	3671	3045	947	2850	1222	1326	2977	4591	5895	4453	6419	4035	3073
73 2001 Regional Report Surplus Deficit	2447	732	1022	627	321	-1357	-1015	-239	584	1017	1338	4673	-1092	-486
74 2002 Regional Report Surplus Deficit	-67.4	-929	187	-478	86.9	-920	-822	-99.0	2189	3596	3975	6149	5215	3648
75 2003 Regional Report Surplus Deficit	1640	1729	1207	460	760	-1282	-956	-474	4227	3522	3158	6096	5259	1548
76 2004 Regional Report Surplus Deficit	-241	87.1	1050	229	1615	-240	-475	-658	2714	2410	2794	6224	4334	2481
77 2005 Regional Report Surplus Deficit	-405	964	1978	899	1088	-162	71.4	2099	1585	1376	2260	6225	4397	2239



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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	1038	251	1244	414	1445	-229	1517	3668	4515	5749	4363	6520	5488	3092
79 2007 Regional Report Surplus Deficit	1126	336	1166	341	1502	-170	1013	2028	5274	4896	3175	6236	4352	3376
80 2008 Regional Report Surplus Deficit	1167	300	1065	248	807	-1198	-431	411	2468	3139	1017	6199	5844	3634
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>-308</b>	<b>-166</b>	<b>818</b>	<b>294</b>	<b>676</b>	<b>-635</b>	<b>-118</b>	<b>1028</b>	<b>2765</b>	<b>2758</b>	<b>2530</b>	<b>6051</b>	<b>4345</b>	<b>2240</b>
82 <b>Middle 80 pct</b>	<b>1747</b>	<b>1403</b>	<b>1790</b>	<b>981</b>	<b>1205</b>	<b>-56.4</b>	<b>779</b>	<b>2181</b>	<b>3625</b>	<b>4026</b>	<b>3372</b>	<b>6174</b>	<b>4661</b>	<b>2890</b>
83 <b>Top 10 pct</b>	<b>2981</b>	<b>3453</b>	<b>3819</b>	<b>1324</b>	<b>1892</b>	<b>165</b>	<b>1156</b>	<b>2605</b>	<b>3241</b>	<b>3711</b>	<b>2941</b>	<b>5716</b>	<b>4027</b>	<b>2979</b>

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**Regional Report Surplus Deficit By Water Year**

**Operating Year 2028**

**2017 White Book Report Date: 6/1/2017**

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	1758	1606	1500	392	325	-1613	-1213	-47.7	530	244	1554	4699	4307	-1729
2 1930 Regional Report Surplus Deficit	334	269	1034	-4.56	340	-1779	-2054	327	653	736	1561	4369	2334	1378
3 1931 Regional Report Surplus Deficit	545	87.8	822	-5.27	523	-1732	-2111	-1438	1644	834	-2044	4765	1098	732
4 1932 Regional Report Surplus Deficit	387	-200	605	-302	-485	-1713	-1617	-2083	3125	4309	3233	6461	6279	3041
5 1933 Regional Report Surplus Deficit	1861	1302	1922	273	131	-21.0	918	3172	4142	2078	2207	5817	6651	3762
6 1934 Regional Report Surplus Deficit	2548	2814	2347	1332	2735	1868	2529	4423	4624	4254	2881	5767	4849	1932
7 1935 Regional Report Surplus Deficit	-643	194	550	-201	-881	-1278	806	2776	4110	779	2484	5952	5259	3216
8 1936 Regional Report Surplus Deficit	2376	983	1114	83.3	192	-1804	-1798	-253	1180	1234	3113	6842	6269	2258
9 1937 Regional Report Surplus Deficit	692	580	1153	147	552	-1755	-2226	-1206	168	253	-1844	5368	3838	425
10 1938 Regional Report Surplus Deficit	855	442	1079	180	238	-482	560	2781	4463	4027	3715	6312	5949	3193
11 1939 Regional Report Surplus Deficit	-327	388	1394	238	-102	-1593	78.7	1128	2428	2267	2822	6453	3776	1997
12 1940 Regional Report Surplus Deficit	488	528	1177	145	875	-572	-646	1153	4981	2731	2505	6317	4128	1070
13 1941 Regional Report Surplus Deficit	-499	-473	719	-157	476	-976	-1202	-7.74	988	-550	776	4972	3019	551
14 1942 Regional Report Surplus Deficit	-196	-874	859	-284	1354	525	430	1631	1957	1058	2153	5771	5429	3307
15 1943 Regional Report Surplus Deficit	1391	1432	2114	261	-846	-708	1241	3311	4664	5015	4190	6232	6626	3690
16 1944 Regional Report Surplus Deficit	2033	1398	1717	429	359	-1479	-837	84.1	536	-49.4	928	3159	46.0	-1351
17 1945 Regional Report Surplus Deficit	-517	-1232	146	-582	-201	-1885	-1467	-517	463	293	-1934	5743	5392	-510
18 1946 Regional Report Surplus Deficit	-36.0	154	1170	125	502	-440	648	2387	4098	4396	3855	6231	5870	3510
19 1947 Regional Report Surplus Deficit	2490	2605	2280	376	1589	1487	1871	4107	4694	3610	2716	6390	5941	3207
20 1948 Regional Report Surplus Deficit	1806	1248	1701	4176	2710	585	1791	3272	4481	2923	3344	6548	6037	3561
21 1949 Regional Report Surplus Deficit	2491	3081	2867	729	1102	-759	104	1398	4821	3663	3608	6592	6016	345
22 1950 Regional Report Surplus Deficit	-493	211	1185	175	-254	-448	1667	3842	4657	4608	3164	5914	6760	4381
23 1951 Regional Report Surplus Deficit	2618	3120	2772	1889	3054	1718	2516	4855	4738	4483	3303	6105	6034	3540
24 1952 Regional Report Surplus Deficit	2486	1373	2214	3660	2384	646	1386	3782	4775	4693	4124	6679	6121	3294
25 1953 Regional Report Surplus Deficit	1721	1045	1088	275	256	-1603	-479	4200	3670	1446	2315	6413	6647	3845
26 1954 Regional Report Surplus Deficit	2152	1865	2293	675	1550	120	1349	4351	4478	3443	2986	6193	6162	4157
27 1955 Regional Report Surplus Deficit	2748	3299	5367	811	2294	-127	-321	1419	-281	861	1497	5736	6683	4091
28 1956 Regional Report Surplus Deficit	2530	2571	2024	1038	2640	1511	2541	4383	4228	4010	3320	6385	6577	3742
29 1957 Regional Report Surplus Deficit	2474	2819	2384	1056	1059	364	521	973	4849	4611	2697	6873	6584	2951
30 1958 Regional Report Surplus Deficit	1751	1155	1231	261	633	-803	1103	3239	4214	2843	3360	6458	6380	2642
31 1959 Regional Report Surplus Deficit	1803	949	1236	522	2201	1158	2335	4340	4589	4187	2771	6054	6198	3770
32 1960 Regional Report Surplus Deficit	2583	3057	5685	4565	2825	850	926	2786	4331	4984	3102	6162	6129	3194
33 1961 Regional Report Surplus Deficit	2290	967	1396	489	1343	-506	726	3369	4880	3432	2266	6010	5906	2606
34 1962 Regional Report Surplus Deficit	1594	779	1346	154	755	-653	639	2667	1480	4681	3434	6321	5837	2780
35 1963 Regional Report Surplus Deficit	2055	1448	1621	1424	2369	964	1060	3224	3105	1331	2108	6729	5836	3068
36 1964 Regional Report Surplus Deficit	1665	1090	2447	247	747	-502	-63.4	1130	1925	3792	2134	6013	6672	4125
37 1965 Regional Report Surplus Deficit	2564	2868	3450	1766	2041	1555	2312	4433	4219	2942	3828	6103	5902	3333
38 1966 Regional Report Surplus Deficit	2561	2735	1716	837	1357	-220	488	2174	2528	4624	2843	5608	5513	3115

**Regional Report Surplus Deficit By Water Year**

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**2017 White Book** Report Date: 6/1/2017 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	2167	1035	1465	119	215	295	1822	4025	4359	2727	-371	5949	6373	3693
40 1968 Regional Report Surplus Deficit	2369	2253	2323	633	1796	-207	1175	3881	4926	692	1423	5562	6089	3286
41 1969 Regional Report Surplus Deficit	2369	2182	4156	2059	2782	633	2279	4031	4128	4383	3459	6543	6335	3352
42 1970 Regional Report Surplus Deficit	1591	1058	1820	750	1230	-937	1057	2878	3325	1838	1835	6343	6495	1896
43 1971 Regional Report Surplus Deficit	1501	853	1415	196	234	-58.4	2346	4234	4804	4455	3069	6359	6689	4040
44 1972 Regional Report Surplus Deficit	2723	3347	2836	1219	1544	182	2256	4152	4685	4620	2970	6204	6180	3941
45 1973 Regional Report Surplus Deficit	2662	3315	3048	1024	1663	-152	842	1640	1449	81.2	624	5070	1757	780
46 1974 Regional Report Surplus Deficit	-27.5	-441	1007	76.0	611	734	2621	4306	4317	4037	3258	5512	6464	4513
47 1975 Regional Report Surplus Deficit	2698	3361	2807	403	406	-723	1168	3124	4660	1397	1732	6180	6636	4101
48 1976 Regional Report Surplus Deficit	2423	2513	3076	2367	2893	2051	2504	4435	4555	4470	2997	6384	6324	3825
49 1977 Regional Report Surplus Deficit	2918	3494	6046	1112	704	-1617	-951	231	114	-412	96.5	2636	-214	-1508
50 1978 Regional Report Surplus Deficit	-611	-1214	290	-784	50.0	-131	693	2712	3633	4371	2913	6401	5493	3311
51 1979 Regional Report Surplus Deficit	1311	891	3832	1065	1351	-1268	-816	2186	3786	1106	2255	6690	5052	-504
52 1980 Regional Report Surplus Deficit	-66.9	-29.2	1332	198	317	-1836	185	463	1332	2604	3087	6864	6260	2710
53 1981 Regional Report Surplus Deficit	414	695	1377	53.8	1285	960	1679	4109	3391	87.1	1875	6058	6430	3434
54 1982 Regional Report Surplus Deficit	2472	2987	2261	535	1795	-236	1465	4452	4789	4588	2845	6021	6600	4577
55 1983 Regional Report Surplus Deficit	2662	3320	4113	2183	1998	361	1940	4425	4985	4010	2667	6115	6190	3767
56 1984 Regional Report Surplus Deficit	2633	3042	3043	970	3125	642	1626	4140	5223	4834	3302	6341	6664	3616
57 1985 Regional Report Surplus Deficit	2599	1758	3012	1046	2034	-176	432	1834	2697	3513	2952	6326	4731	1373
58 1986 Regional Report Surplus Deficit	-762	-45.4	1379	1295	2457	-170	1158	4244	5564	4643	3350	6129	5884	2766
59 1987 Regional Report Surplus Deficit	1577	429	1344	216	1557	-92.0	-228	1228	3351	371	1924	6077	4580	-45.6
60 1988 Regional Report Surplus Deficit	-79.9	-149	993	-87.5	-516	-2031	-1245	-1472	1183	433	1832	5835	3539	2017
61 1989 Regional Report Surplus Deficit	591	363	1021	-94.1	637	-860	-887	-1213	3305	2932	3328	6248	5169	1887
62 1990 Regional Report Surplus Deficit	176	457	978	180	1418	-42.6	507	3759	4614	2544	3296	5971	6203	3165
63 1991 Regional Report Surplus Deficit	2291	2116	1482	219	2795	560	1495	3738	4422	3732	2132	6096	5965	3569
64 1992 Regional Report Surplus Deficit	2529	2461	1566	170	212	-1898	-603	1546	2966	-85.7	373	4762	1494	-171
65 1993 Regional Report Surplus Deficit	-700	-956	303	-191	250	-1641	-1901	-1545	2546	1525	2263	6027	5709	2279
66 1994 Regional Report Surplus Deficit	856	614	1285	250	786	-1401	-1372	-334	2054	259	1828	5855	4620	1431
67 1995 Regional Report Surplus Deficit	377	-283	889	-124	-395	-1230	152	2337	3594	3257	1926	6602	6349	3034
68 1996 Regional Report Surplus Deficit	1262	831	1841	1840	2898	2194	2491	4868	4995	4802	4043	6475	6179	3649
69 1997 Regional Report Surplus Deficit	2461	2481	2248	573	1607	711	2569	4313	4640	4265	3587	6179	6025	3914
70 1998 Regional Report Surplus Deficit	2505	3283	4166	4501	2684	-96.2	502	3063	3405	2208	2612	6518	6511	3255
71 1999 Regional Report Surplus Deficit	2494	1849	1382	475	3.60	614	2316	4044	4555	3391	3262	6195	6640	3999
72 2000 Regional Report Surplus Deficit	3043	3539	3011	649	2764	1019	1133	3178	4431	4733	3553	6299	4722	2827
73 2001 Regional Report Surplus Deficit	2231	508	1000	317	224	-1615	-1177	-126	620	-192	474	4474	-561	-787
74 2002 Regional Report Surplus Deficit	-340	-1155	161	-828	-8.36	-1159	-1020	13.7	2109	2384	3063	6029	6147	3362
75 2003 Regional Report Surplus Deficit	1371	1533	1186	166	677	-1533	-1176	-374	4072	2304	2265	5976	6170	1285
76 2004 Regional Report Surplus Deficit	-593	-140	1028	-75.4	1549	-454	-632	-568	2610	1180	1913	6101	5104	2243
77 2005 Regional Report Surplus Deficit	-754	749	1952	640	1014	-370	-85.7	2287	1532	147	1386	6106	5178	1995

**Regional Report Surplus Deficit By Water Year**

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	767	30.1	1223	104	1375	-445	1302	3885	4356	4587	3489	6390	6415	2854
79 2007 Regional Report Surplus Deficit	830	111	1142	14.7	1431	-384	818	2209	5092	3716	2285	6118	5128	3125
80 2008 Regional Report Surplus Deficit	873	73.5	1040	-42.1	736	-1442	-583	545	2375	1911	150	6077	6753	3371
<b>Ranked Averages</b>														
81 <b>Bottom 10 pct</b>	<b>-635</b>	<b>-390</b>	<b>796</b>	<b>-6.94</b>	<b>589</b>	<b>-863</b>	<b>-329</b>	<b>1173</b>	<b>2681</b>	<b>1549</b>	<b>1644</b>	<b>5929</b>	<b>5130</b>	<b>1981</b>
82 <b>Middle 80 pct</b>	<b>1496</b>	<b>1206</b>	<b>1765</b>	<b>692</b>	<b>1121</b>	<b>-282</b>	<b>583</b>	<b>2356</b>	<b>3500</b>	<b>2828</b>	<b>2481</b>	<b>6041</b>	<b>5498</b>	<b>2625</b>
83 <b>Top 10 pct</b>	<b>2761</b>	<b>3340</b>	<b>3784</b>	<b>1046</b>	<b>1812</b>	<b>-51.8</b>	<b>962</b>	<b>2789</b>	<b>3158</b>	<b>2515</b>	<b>2055</b>	<b>5573</b>	<b>4827</b>	<b>2702</b>

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