

2017 Pacific Northwest Loads and Resources Study

Technical Appendix, Volume 1: Energy Analysis

December 2017



2017 PACIFIC NORTHWEST LOADS AND RESOURCES STUDY
The White Book

TECHNICAL APPENDIX

Volume 1

Energy 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.

ACKNOWLEDGMENTS

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

Bonneville Power Administration

Generation 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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Exhibit 1
Federal Report Surplus Deficit

Annual Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

Loads and Resources - Federal System
Operating Year: 2019 to 2028 Water Year: 1937
2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Firm Obligations										
1 Load Following	3481	3529	3575	3595	3609	3621	3638	3649	3653	3654
2 Preference Customers	3177	3214	3256	3277	3291	3304	3319	3329	3333	3334
3 Federal Agencies	125	135	138	138	138	138	139	140	140	141
4 USBR	180	179	180	180	180	179	180	180	180	179
5 Federal Diversity	0	0	0	0	0	0	0	0	0	0
6 Tier 1 Block	515	538	543	542	543	542	543	542	543	542
7 Tier 1 Block	515	538	543	542	543	542	543	542	543	542
8 Slice	3072	3077	3058	3070	3060	3072	3067	3081	3071	3082
9 Slice Block	1507	1472	1503	1480	1509	1485	1516	1494	1523	1500
10 Slice Output from T1 System	1565	1605	1554	1590	1551	1587	1551	1587	1548	1582
11 Direct Service Industries	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
12 Direct Service Industry	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
13 Contract Deliveries	547	479	478	477	477	477	477	477	477	477
14 Exports	486	464	466	466	466	466	466	466	466	466
15 Intra-Regional Transfers (Out)	61.5	15.1	11.9	10.7	10.7	10.7	10.7	10.7	10.7	10.7
16 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0
17 Total Firm Obligations	7703	7710	7741	7772	7776	7799	7812	7837	7832	7843
Net Resources										
18 Hydro Resources	6613	6669	6628	6632	6632	6631	6632	6632	6632	6631
19 Regulated Hydro - Net	6261	6318	6276	6280	6280	6279	6280	6280	6280	6279
20 Independent Hydro - Net	349	349	349	349	349	349	349	349	349	349
21 Small Hydro - Net	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
22 Other Resources	995	1158	992	1151	972	1133	970	1133	957	1102
23 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0
24 Combustion Turbines	0	0	0	0	0	0	0	0	0	0
25 Large Thermal Resources	937	1100	937	1100	937	1100	937	1100	937	1100
26 Renewable Resources	57.9	57.9	54.6	50.6	34.8	33.0	33.0	33.0	19.8	1.90
27 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0
28 Contract Purchases	394	295	263	167	167	168	167	168	167	167
29 Imports	89.9	90.0	84.5	1.00	1.00	1.00	1.00	1.00	1.00	1.00
30 Intra-Regional Transfers (In)	138	37.6	12.4	0	0	0	0	0	0	0
31 Non-Federal CER	137	137	137	136	137	137	137	137	137	136
32 Slice Transmission Loss Return	29.8	30.5	29.6	30.2	29.5	30.2	29.5	30.2	29.4	30.1
33 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0
34 Reserves & Losses	-239	-243	-236	-238	-233	-237	-233	-237	-232	-236
35 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0
36 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0
37 Load Following Reserves	0	0	0	0	0	0	0	0	0	0
38 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0

Loads and Resources - Federal System
Operating Year: 2019 to 2028 Water Year: 1937
2017 White Book Report Date: 6/1/2017 *Continued*

S149-WB-20171215-145200

Energy-aMW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
³⁹ Transmission Losses	-239	-243	-236	-238	-233	-237	-233	-237	-232	-236
⁴⁰ Total Net Resources	7763	7879	7647	7712	7538	7694	7537	7695	7524	7663
⁴¹ Total Surplus/Deficit	60	169	-94	-60	-238	-105	-275	-142	-308	-180

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Exhibit 2
Regional Report Surplus Deficit

Annual Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

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Loads and Resources - Pacific Northwest Region

Operating Year: 2019 to 2028 Water Year: 1937

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Regional Loads										
1 Retail Loads	22709	22979	23260	23492	23717	23915	24115	24244	24362	24462
2 Federal Agency	134	145	148	148	148	148	149	150	150	151
3 USBR	180	179	180	180	180	179	180	180	180	179
4 Cooperative	2057	2143	2234	2322	2408	2490	2548	2561	2571	2579
5 Municipality	2627	2671	2699	2705	2711	2717	2727	2736	2745	2754
6 Public Utility District	4814	4856	4908	4956	5001	5037	5076	5107	5130	5147
7 Investor-Owned Utility	12481	12569	12676	12765	12854	12928	13020	13094	13170	13236
8 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
9 Direct-Service Industry	411	411	411	411	411	411	411	411	411	411
10 Federal Diversity	0	0	0	0	0	0	0	0	0	0
11 Exports	1159	1136	1138	1044	1015	985	984	984	984	984
12 Canada	473	464	466	466	466	466	466	466	466	466
13 East Continental Divide	2.46	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
14 Inland Southwest	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
15 Pacific Southwest	670	657	658	563	534	504	503	503	503	503
16 Other	0	0	0	0	0	0	0	0	0	0
17 Total Regional Loads	23868	24115	24399	24536	24732	24900	25100	25228	25346	25445
Regional Resources										
18 Hydro Resources	11907	11979	11900	11894	11894	11890	11894	11894	11894	11890
19 Regulated Hydro - Net	10596	10668	10614	10618	10618	10616	10618	10618	10618	10616
20 Independent Hydro - Net	1062	1061	1037	1026	1026	1025	1026	1026	1026	1025
21 Small Hydro - Net	248	249	250	250	250	249	250	250	250	249
22 Other Resources	16246	16368	15695	15257	14786	15017	14771	14458	14150	14211
23 Cogeneration Resources	2372	2374	2381	2371	2374	2381	2372	2373	2381	2372
24 Combustion Turbine Resources	5850	5852	5855	5853	5813	5811	5810	5809	5809	5811
25 Large Thermal Resources	6036	6152	5473	5047	4614	4840	4603	4290	3975	4044
26 Renewable Resources	1952	1953	1950	1949	1949	1949	1950	1949	1949	1947
27 Small Thermal & Miscellaneous	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
28 Imports	658	662	660	580	584	588	591	595	599	603
29 Canada	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
30 East of Continental Divide	0	0	0	0	0	0	0	0	0	0
31 Inland Southwest	484	487	491	494	498	502	506	509	513	517
32 Pacific Southwest	136	136	131	47.1	47.1	47.1	47.1	47.1	47.1	47.1
33 Other	0	0	0	0	0	0	0	0	0	0
34 Reserves & Losses	-856	-862	-839	-824	-810	-817	-809	-800	-791	-793
35 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0
36 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0
37 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0
38 Load Following Reserves	0	0	0	0	0	0	0	0	0	0
39 Transmission Losses	-856	-862	-839	-824	-810	-817	-809	-800	-791	-793
40 Total Regional Resources	27956	28147	27416	26908	26454	26679	26446	26146	25851	25911
41 Total Surplus/Deficit	4088	4032	3017	2372	1721	1779	1347	918	505	465

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Exhibit 3
Regional Total Retail Loads

Annual Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

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Regional: Total Retail Loads
Operating Year 2019 to 2028
2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Firm Loads										
1 Federal Agency	134	145	148	148	148	148	149	150	150	151
2 USBR	180	179	180	180	180	179	180	180	180	179
3 Cooperative	2057	2143	2234	2322	2408	2490	2548	2561	2571	2579
4 Municipality	2627	2671	2699	2705	2711	2717	2727	2736	2745	2754
5 Public Utility District	4803	4845	4897	4945	4991	5027	5065	5097	5119	5136
6 Investor-Owned Utility	12481	12569	12676	12765	12854	12928	13020	13094	13170	13236
7 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
8 Direct-Service Industry	411	411	411	411	411	411	411	411	411	411
9 Total Firm Loads	22698	22968	23250	23481	23707	23904	24105	24233	24351	24451
Non-Firm Loads										
10 Public Utility District	10.6	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
11 Total Non-Firm Loads	10.6	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
Total Regional Loads (Firm+Non-Firm)										
12 Federal Agency	134	145	148	148	148	148	149	150	150	151
13 USBR	180	179	180	180	180	179	180	180	180	179
14 Cooperative	2057	2143	2234	2322	2408	2490	2548	2561	2571	2579
15 Municipality	2627	2671	2699	2705	2711	2717	2727	2736	2745	2754
16 Public Utility District	4814	4856	4908	4956	5001	5037	5076	5107	5130	5147
17 Investor-Owned Utility	12481	12569	12676	12765	12854	12928	13020	13094	13170	13236
18 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
19 Direct-Service Industry	411	411	411	411	411	411	411	411	411	411
20 Total Loads	22709	22979	23260	23492	23717	23915	24115	24244	24362	24462

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Exhibit 4
Regional Exports

Annual Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

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

Energy-aMW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Canada										
Contracts										
1 BPA-P to BCHP Trty CEA	464	454	454	454	454	454	454	454	454	454
2 BPA-P to BCHP NTSA Del	9.11	9.80	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
3 Total Exports to CAN	473	464	466	466	466	466	466	466	466	466
East Continental Divide										
Contracts										
4 AVWP to PPLM PwrS LTFirm	2.46	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
6 Total Exports to ECD	2.46	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Inland Southwest										
Transfer Services										
7 UAMP to UAMP TS PwrP	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
8 Total Exports to ISW	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
Pacific Southwest										
Contracts										
9 BPA-P to PASA CNX Del	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
11 BPA-P to Other Entities	12.4	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
13 BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0
14 MCQC to BURB PwrS LTFirm	4.26	4.25	4.26	4.26	4.26	4.25	4.26	4.26	4.26	4.25
15 PSE to PG&E SNX Del	47.1	47.0	47.1	0	0	0	0	0	0	0
Transfer Services										
16 BURB to BURB TS PwrP	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35
17 GLEN to GLEN TS PwrP	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
18 LDWP to LDWP TS PwrP	101	101	101	101	101	85.0	83.8	83.8	83.8	83.8
19 MID to MID TS PwrP	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
20 Other Entities to Other Entities	88.1	88.0	88.1	88.1	88.1	88.0	88.1	88.1	88.1	88.0
21 PG&E to PG&E TS PwrP	86.6	86.6	86.6	86.6	58.1	45.4	45.4	45.4	45.4	45.4
22 SCE to SCE TS PwrP	199	199	199	199	199	199	199	199	199	199
23 SMUD to SMUD TS PwrP	44.3	44.3	44.3	0	0	0	0	0	0	0
24 TID to TID TS PwrP	32.2	32.1	32.2	32.2	32.2	32.1	32.2	32.2	32.2	32.1
25 Intertie Losses	20	19	19	16	16	15	15	15	15	15
26 Total Exports to PSW	670	657	658	563	534	504	503	503	503	503
Total Exports										
27 Federal Entities	486	464	466	466	466	466	466	466	466	466
28 Investor Owned Utilities	365	363	363	316	287	274	275	275	275	274
29 Marketer	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
30 Municipality	239	239	239	194	194	179	177	177	177	177
31 Total Exports	1140	1117	1119	1028	999	970	969	969	969	969

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Exhibit 5
Regional Imports

Annual Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

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

Energy-aMW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Canada										
Contracts										
1 BCHP to SCL PwrS LTFirm	35.4	35.5	35.4	35.4	35.4	35.5	35.4	35.4	35.4	35.5
2 BCHP to BPA-P Trty LcALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35
4 Total Imports From CAN	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
Inland Southwest										
Transfer Services										
5 RMP to RMP TS PwrP	484	487	491	494	498	502	506	509	513	517
6 Total Imports From ISW	484	487	491	494	498	502	506	509	513	517
Pacific Southwest										
Contracts										
7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0
13 Other Entities to Other Entities	88.9	89.0	83.5	0	0	0	0	0	0	0
14 PG&E to PSE SNX Ret	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
15 Total Imports From PSW	136	136	131	47.1	47.1	47.1	47.1	47.1	47.1	47.1
Total Imports										
16 Federal Entities	89.9	90.0	84.5	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17 Investor Owned Utilities	533	537	540	544	548	551	555	559	562	566
18 Municipality	35.4	35.5	35.4	35.4	35.4	35.5	35.4	35.4	35.4	35.5
19 Total Imports	658	662	660	580	584	588	591	595	599	603

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Exhibit 6
Regional Intra-Regional Transfers

Annual Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

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Regional: Intra-Regional Transfers
Operating Year 2019 to 2028
2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Intra-Regional Transfers										
Contracts	310	163	135	121	121	121	121	121	121	121
1 AVWP to BPA-P Setl WNP3 Rtn	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
3 BPA-P to AVWP Setl WNP3 Del	46.4	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
5 BPA-P to PPL NSP RIn	4.36	4.36	1.18	0	0	0	0	0	0	0
6 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0
8 BPA-P to PSE Ops UBkr Repl	1.28	1.29	1.27	1.28	1.28	1.29	1.28	1.28	1.27	1.29
9 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0
10 CIDF to RMP PwrS LTFirm	5.47	5.46	5.47	5.47	5.47	5.46	5.47	5.47	5.47	5.46
11 GCPD to PPL PwrS LTFirm	10.0	10.00	10.0	9.99	10.0	10.00	10.0	9.99	10.0	10.00
12 GHPD to GHP PwrS LTFirm	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
13 NWE to MVP PwrS LTFirm	9.66	9.65	9.66	9.66	9.66	9.65	9.66	9.66	9.66	9.65
14 Other Entities to BPA-P	133	33.2	11.7	0	0	0	0	0	0	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
16 Other Entities to Other Entities	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33
17 PGE to PPL PwrS LTFirm	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
18 PPL to BPA-P NSP SOut	4.37	4.36	0.73	0	0	0	0	0	0	0
19 PPL to BPA-P SNX SprgRtn	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
21 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0
22 SCL to POPD PwrS LTFirm	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
23 Total Intra-Regional Transfers	310	163	135	121	121	121	121	121	121	121
Intra-Regional Contracts Out										
24 Federal Entities	61.5	15.1	11.9	10.7	10.7	10.7	10.7	10.7	10.7	10.7
25 Investor Owned Utilities	28.3	17.1	13.5	12.8	12.8	12.8	12.8	12.8	12.8	12.8
26 Marketer	147	58.2	36.7	25.0	25.0	25.0	25.0	25.0	25.0	25.0
27 Municipality	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
28 Public Utility District	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
29 Total Regional Contracts Out	310	163	135	121	121	121	121	121	121	121
Intra-Regional Contracts In										
30 Federal Entities	157	56.6	31.5	19.1	19.1	19.1	19.1	19.1	19.1	19.1
31 Investor Owned Utilities	68.6	22.1	18.9	17.7	17.7	17.7	17.7	17.7	17.7	17.7
32 Marketer	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
33 Municipality	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33
34 Public Utility District	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
35 Total Regional Contracts In	310	163	135	121	121	121	121	121	121	121

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Exhibit 7
BPA Sales to Preference and Legacy Customers

Annual Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

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BPA Sales to Preference and Legacy Customers
Operating Year: 2019 to 2028 Water Year: 1937
2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Pacific Northwest										
1 DSI Obligation	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
2 Direct Service Industry	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
3 Load Following	3301	3350	3395	3415	3429	3442	3458	3469	3473	3475
4 Cooperative	1861	1874	1890	1897	1900	1903	1909	1915	1920	1926
5 Municipality	544	570	592	594	596	596	598	601	603	606
6 Public Utility District	772	770	774	786	796	805	811	814	810	801
7 Federal Entities	125	135	138	138	138	138	139	140	140	141
8 Slice Block	1507	1472	1503	1480	1509	1485	1516	1494	1523	1500
9 Municipality	323	316	322	316	322	315	325	322	330	325
10 Public Utility District	1184	1156	1181	1164	1187	1170	1191	1173	1194	1175
11 Slice Output from T1 System	1565	1605	1554	1590	1551	1587	1551	1587	1548	1582
12 Municipality	365	380	369	377	368	376	368	376	367	375
13 Public Utility District	1200	1225	1186	1213	1183	1210	1183	1210	1181	1207
14 Tier 1 Block	515	538	543	542	543	542	543	542	543	542
15 Municipality	515	520	522	522	522	522	522	522	522	522
16 Public Utility District	0	17.5	20.6	20.1	20.5	20.1	20.6	20.1	20.5	20.1
17 USBR Obligation	180	179	180	180	180	179	180	180	180	179
18 USBR	180	179	180	180	180	179	180	180	180	179
Total Power Sales Contracts										
19 Cooperative	1861	1874	1890	1897	1900	1903	1909	1915	1920	1926
20 Direct Service Industry	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
21 Federal Entities	125	135	138	138	138	138	139	140	140	141
22 Municipality	1747	1786	1806	1809	1807	1809	1813	1821	1822	1829
23 Public Utility District	3155	3168	3162	3183	3187	3205	3206	3218	3205	3203
24 USBR	180	179	180	180	180	179	180	180	180	179
25 Total Power Sales Contracts	7155	7231	7263	7295	7299	7322	7335	7360	7355	7366

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Exhibit 8
Regional Regulated Hydro

Annual Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

Regional: Regulated Hydro
Operating Year: 2019 to 2028 Water Year: 1937
2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Regulated Hydro										
1 Albeni Falls Hydroelectric	20.4	21.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
2 Alder Hydroelectric	22.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
3 Bonneville	390	394	390	390	390	391	390	390	390	391
4 Boundary	334	333	334	334	334	333	334	334	334	333
5 Box Canyon Dam	52.2	52.3	52.4	52.4	52.4	52.3	52.4	52.4	52.4	52.3
6 Brownlee	183	183	183	183	183	183	183	183	183	183
7 Cabinet Gorge	88.6	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
8 Chelan Lake	32.9	35.3	35.2	35.2	35.2	35.3	35.2	35.2	35.2	35.3
9 Chief Joseph	1116	1129	1118	1118	1118	1118	1118	1118	1118	1118
10 Cushman 1	12.0	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
11 Cushman 2	20.5	17.5	17.4	17.4	17.4	17.5	17.4	17.4	17.4	17.5
12 Diablo	79.7	79.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
13 Dworshak	140	131	136	140	140	140	140	140	140	140
14 Faraday	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
15 Gorge	97.7	96.8	98.3	98.3	98.3	98.2	98.3	98.3	98.3	98.2
16 Grand Coulee	1908	1939	1919	1919	1919	1919	1919	1919	1919	1919
17 Hells Canyon	149	149	149	149	149	149	149	149	149	149
18 Hungry Horse	74.1	74.2	74.1	74.1	74.1	74.2	74.1	74.1	74.1	74.2
19 Ice Harbor	109	109	109	109	109	109	109	109	109	109
20 John Day	784	791	785	785	785	785	785	785	785	785
21 Kerr	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
22 La Grande	34.0	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
23 Libby	187	187	187	187	187	187	187	187	187	187
24 Little Falls	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
25 Little Goose	160	160	160	160	160	160	160	160	160	160
26 Long Lake	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
27 Lower Baker	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
28 Lower Granite	147	147	147	147	147	147	147	147	147	147
29 Lower Monumental	149	149	149	149	149	149	149	149	149	149
30 Mayfield	68.0	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
31 McNary	478	482	478	478	478	478	478	478	478	478
32 Merwin	52.6	52.8	52.9	52.9	52.9	52.8	52.9	52.9	52.9	52.8
33 Monroe Street	10.9	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
34 Mossyrock	98.8	99.2	99.4	99.4	99.4	99.2	99.4	99.4	99.4	99.2
35 Nine Mile	10.6	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
36 North Fork	20.2	20.1	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
37 Noxon Rapids	125	125	125	125	125	125	125	125	125	125
38 Oak Grove	24.6	24.4	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
39 Oxbow	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
40 Pelton	41.0	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
41 Pelton Rereq	8.35	8.34	8.35	8.35	8.35	8.35	8.35	8.35	8.35	8.35
42 Post Falls	7.23	7.28	7.29	7.29	7.29	7.28	7.29	7.29	7.29	7.28
43 Priest Rapids	419	424	420	420	420	420	420	420	420	420
44 River Mill	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
45 Rock Island	322	324	322	322	322	322	322	322	322	322
46 Rocky Reach	595	601	596	596	596	596	596	596	596	596
47 Ross	76.4	74.7	76.2	76.2	76.2	76.1	76.2	76.2	76.2	76.1
48 Round Butte	86.7	86.5	86.7	86.7	86.7	86.6	86.7	86.7	86.7	86.6
49 Swift 1	61.4	60.8	61.5	61.5	61.5	61.4	61.5	61.5	61.5	61.4
50 Swift 2	22.3	22.0	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
51 The Dalles	599	604	600	600	600	600	600	600	600	600
52 Thompson Falls	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
53 Upper Baker	30.5	30.2	30.5	30.5	30.5	30.4	30.5	30.5	30.5	30.4
54 Upper Falls	7.74	7.77	7.78	7.78	7.78	7.77	7.78	7.78	7.78	7.77
55 Wanapum	387	393	388	388	388	388	388	388	388	388
56 Wells	355	359	356	356	356	356	356	356	356	356
57 Yale	56.1	55.4	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0

Regional: Regulated Hydro
Operating Year: 2019 to 2028 Water Year: 1937
2017 White Book Report Date: 6/1/2017 *Continued*

S149-WB-20171215-145200

Energy-aMW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Regulated Hydro										
58 Federal Entities	6261	6318	6276	6280	6280	6279	6280	6280	6280	6279
59 Investor Owned Utilities	1691	1681	1679	1679	1679	1678	1679	1679	1679	1678
60 Marketer	391	394	391	391	391	391	391	391	391	391
61 Municipality	912	905	909	909	909	908	909	909	909	908
62 Public Utility District	1341	1371	1359	1359	1359	1359	1359	1359	1359	1359
63 Total Regulated Hydro	10596	10668	10614	10618	10618	10616	10618	10618	10618	10616

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Exhibit 9
Regional Independent Hydro

Annual Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

Regional: Independent Hydro
Operating Year: 2019 to 2028 Water Year: 1937
2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Independent Hydro										
1 American Falls Hydroelectric	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
2 Anderson Ranch	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
3 Arrowrock Hydro	5.83	5.83	5.83	5.83	5.83	5.83	5.83	5.83	5.83	5.83
4 Ashton	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
5 Bend Power Dam	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
6 Big Cliff	9.88	9.86	9.88	9.88	9.88	9.86	9.88	9.88	9.88	9.86
7 Big Fork	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71
8 Black Canyon	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19
9 Bliss	35.1	35.0	35.1	35.1	35.1	35.0	35.1	35.1	35.1	35.0
10 Boise River Diversion	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
11 Calispel Creek	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
12 Carmen-Smith	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
13 Cascade	8.84	8.84	8.84	8.84	8.84	8.84	8.84	8.84	8.84	8.84
14 Cedar Falls	9.04	9.04	9.04	9.04	9.04	9.04	9.04	9.04	9.04	9.04
15 Chandler	5.60	5.61	5.60	5.60	5.60	5.61	5.60	5.60	5.60	5.61
16 CJ Strike	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
17 Clear Lake	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78
18 Cougar	19.0	18.9	19.0	19.0	19.0	18.9	19.0	19.0	19.0	18.9
19 Cowlitz Falls	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
20 Detroit	41.3	41.2	41.3	41.3	41.3	41.2	41.3	41.3	41.3	41.2
21 Dexter	9.22	9.21	9.22	9.22	9.22	9.21	9.22	9.22	9.22	9.21
22 Eagle Point	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
23 Electron	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
24 Felt Hydro Project	3.84	3.83	3.84	3.84	3.84	3.83	3.84	3.84	3.84	3.83
25 Foster	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
26 Gem State Hydro	8.28	8.30	8.28	8.28	8.28	8.30	8.28	8.28	8.28	8.30
27 Grace	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
28 Green Peter	27.4	27.3	27.4	27.4	27.4	27.3	27.4	27.4	27.4	27.3
29 Green Springs	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32
30 Helloaring	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
31 Henry M Jackson	43.0	42.9	43.0	43.0	43.0	42.9	43.0	43.0	43.0	42.9
32 Hills Creek	17.8	17.7	17.8	17.8	17.8	17.7	17.8	17.8	17.8	17.7
33 Hood Street	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
34 Idaho Falls - City Plant	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14
35 Idaho Falls - Lower Plant #1	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14
36 Idaho Falls - Lower Plant #2	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
37 Idaho Falls - Upper Plant	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14
38 Island Park	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
39 John Boyle	35.9	36.0	10.6	0	0	0	0	0	0	0
40 Lake Creek (MT)	2.93	2.92	2.93	2.93	2.93	2.92	2.93	2.93	2.93	2.92
41 Last Chance	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
42 Leaburg	7.43	7.44	7.43	7.43	7.43	7.44	7.43	7.43	7.43	7.44
43 Lookout Point	35.7	35.6	35.7	35.7	35.7	35.6	35.7	35.7	35.7	35.6
44 Lost Creek	30.1	30.0	30.1	30.1	30.1	30.0	30.1	30.1	30.1	30.0
45 Lower Malad	9.63	9.63	9.63	9.63	9.63	9.63	9.63	9.63	9.63	9.63
46 Lower Salmon Falls	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
47 McNary Fishway	8.45	8.44	8.45	8.45	8.45	8.44	8.45	8.45	8.45	8.44
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
50 Minidoka	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
51 Moyie River	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
52 Newhalem	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
53 North Umpqua	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
54 Oneida	6.30	6.30	6.30	6.30	6.30	6.30	6.30	6.30	6.30	6.30
55 Packwood Lake	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
56 Palisades	69.2	69.0	69.2	69.2	69.2	69.0	69.2	69.2	69.2	69.0
57 Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
58 Reeder Gulch	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17

Regional: Independent Hydro
Operating Year: 2019 to 2028 Water Year: 1937
2017 White Book Report Date: 6/1/2017 *Continued*

S149-WB-20171215-145200

Energy-aMW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
59 Roque	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
60 Roza	6.88	6.87	6.88	6.88	6.88	6.87	6.88	6.88	6.88	6.87
61 Shoshone Falls	5.84	5.84	5.84	5.84	5.84	5.84	5.84	5.84	5.84	5.84
62 Smith Creek (Idaho)	6.99	6.97	6.99	6.99	6.99	6.97	6.99	6.99	6.99	6.97
63 Snoqualmie Falls	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
64 Soda Creek 4	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
67 South Fork Tolt	6.55	6.54	6.55	6.55	6.55	6.54	6.55	6.55	6.55	6.54
68 Stone Creek	6.22	6.21	6.22	6.22	6.22	6.21	6.22	6.22	6.22	6.21
69 Strawberry Creek (WY)	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
70 Swan Falls	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.46	4.45	4.46	4.46	4.46	4.45	4.46	4.46	4.46	4.45
73 Thousand Springs	6.28	6.27	6.28	6.28	6.28	6.27	6.28	6.28	6.28	6.27
74 Trail Bridge	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68
75 TW Sullivan	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
76 Twin Falls (ID)	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
77 Upper Malad	5.92	5.92	5.92	5.92	5.92	5.92	5.92	5.92	5.92	5.92
78 Upper Salmon A	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41
79 Upper Salmon B	7.71	7.71	7.71	7.71	7.71	7.71	7.71	7.71	7.71	7.71
80 Wallowa Falls	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
81 Walterville	5.72	5.73	5.72	5.72	5.72	5.73	5.72	5.72	5.72	5.73
82 Wynoochee Dam	3.38	3.39	3.38	3.38	3.38	3.39	3.38	3.38	3.38	3.39
83 Yelm	7.22	7.21	7.22	7.22	7.22	7.21	7.22	7.22	7.22	7.21
Total Independent Hydro										
84 Cooperative	7.12	7.12	7.12	7.12	7.12	7.12	7.12	7.12	7.12	7.12
85 Federal Entities	349	349	349	349	349	349	349	349	349	349
86 Investor Owned Utilities	537	536	511	501	501	500	501	501	501	500
87 Marketer	6.56	6.97	6.99	6.99	6.99	6.97	6.99	6.99	6.99	6.97
88 Municipality	88.4	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
89 Public Utility District	74.0	73.9	74.0	74.0	74.0	73.9	74.0	74.0	74.0	73.9
90 Total Independent Hydro	1062	1061	1037	1026	1026	1025	1026	1026	1026	1025

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Exhibit 10
Regional Small Hydro

Annual Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

Regional: Small Hydro
Operating Year: 2019 to 2028 Water Year: 1937
2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Small Hydro										
1 Albany-Millersburg Hydroelectric	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2 Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
3 Arena Drop	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
4 Barber Dam	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28
5 Barney Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
6 Beaverton	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
7 Bell Mountain	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
8 Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Bigg's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0
11 Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12 Birch Creek Diversion Dam	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
13 Birch Creek (Gooding, ID)	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21
14 Black Canyon #3	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
15 Black Creek	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96
16 Blind Canyon	0.57	0.56	0.57	0.57	0.57	0.56	0.57	0.57	0.57	0.56
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
19 Briggs Creek	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
20 Briggs Project	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
21 Broadwater	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01
22 Buffalo Hydro	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
25 Bypass	4.33	3.18	3.81	3.81	3.81	3.80	3.81	3.81	3.81	3.80
26 Calligan Creek	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
27 Canyon Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
28 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
29 Carlton	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
30 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
31 C-Drop Hydro	0.41	0.40	0.41	0.41	0.41	0.40	0.41	0.41	0.41	0.40
32 Cedar Draw Creek	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
33 Central Oregon Siphon	2.14	2.13	2.14	2.14	2.14	2.13	2.14	2.14	2.14	2.13
34 Cereghino	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
35 Chester Hydroelectric Plant	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
36 Clear Springs Trout	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
37 Company Creek	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
38 Cornelius	0	0	0	0	0	0	0	0	0	0
39 Cowiche	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
40 Crystal Springs	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
41 Curry Cattle Co.	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
42 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
43 Cushman North Fork	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
44 D. Wiggins	0	0	0	0	0	0	0	0	0	0
45 Deep Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
46 Denny Creek	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
47 Dietrich Drop	2.48	2.47	2.48	2.48	2.48	2.47	2.48	2.48	2.48	2.47
48 Donald Jenni	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
49 Dry Creek	0.91	0.82	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
50 Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
51 Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0
52 Elk Creek	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
53 Eltopia Branch Canal 4.6	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
54 Esquatzel Small Hydro	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
55 Falls Creek (Or)	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95
56 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
57 Falls River Hydro	5.88	5.88	5.88	5.88	5.88	5.88	5.88	5.88	5.88	5.88
58 Farmers Irr Dist Proj No 2	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49

Regional: Small Hydro
Operating Year: 2019 to 2028 Water Year: 1937
2017 White Book Report Date: 6/1/2017 *Continued*

S149-WB-20171215-145200

Energy-aMW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
59 Farmers Irr Dist Proj No 3	0.89	0.90	0.89	0.89	0.89	0.90	0.89	0.89	0.89	0.90
60 Faulkner Ranch	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
61 Fisheries Development #1	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
62 Flying W	0	0	0	0	0	0	0	0	0	0
63 Ford	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
64 Forgy	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
65 Galesville	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
66 Geo-Bon #2	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
67 Georgetown	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
68 Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
69 Ground Water Pumping Station	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
70 Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
71 Hancock Creek	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
72 Hazelton A	3.24	3.23	3.24	3.24	3.24	3.23	3.24	3.24	3.24	3.23
73 Hazelton B	3.03	3.02	3.03	3.03	3.03	3.02	3.03	3.03	3.03	3.02
74 Hettinger	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
75 Horseshoe Bend	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56
76 Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
77 James Boyd	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
78 James White	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
79 Jim Knight	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
80 John Day Creek	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
81 Juniper Ridge Hydro	1.45	1.44	1.45	1.45	1.45	1.44	1.45	1.45	1.45	1.44
82 Kasel-Witherspoon	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
83 Kaster Riverview	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
84 Koma Kulshan	6.38	6.37	6.38	6.38	6.38	6.37	6.38	6.38	6.38	6.37
85 Koyle Ranch Power	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
86 L & M Angus Ranch	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
87 Lacombe	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
88 Lake Creek (OR)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
89 Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
90 Lateral #10	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35
91 Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
92 Lee Tavenner	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
93 Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
94 Little Mac	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
95 Little Wood River Ranch	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
96 Little Wood River Reservoir	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
97 Low line Canal Drop	5.35	5.33	5.35	5.35	5.35	5.33	5.35	5.35	5.35	5.33
98 Low Line Midway	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
99 Lower Low line	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80
100 Loyd F. Fery Farms	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
101 LQ-LS Drains (Pigeon Cove)	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
102 Lucky Peak	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
103 Macks Creek	0	0	0	0	0	0	0	0	0	0
104 Magic Dam	3.56	3.55	3.56	3.56	3.56	3.55	3.56	3.56	3.56	3.55
105 Main Canal Headworks	9.82	9.80	9.82	9.82	9.82	9.80	9.82	9.82	9.82	9.80
106 Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
107 Meyers Falls	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
108 Meyers Falls 1910	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
109 Middle Fork Irrigation District	2.15	2.16	2.15	2.15	2.15	2.16	2.15	2.15	2.15	2.16
110 Mile 28	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
111 Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
112 Minikahda	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
113 Mink Creek	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
114 Mitchell Butte	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
115 Mora Drop	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42
116 Morse Creek	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
117 Mt. Tabor	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08

Regional: Small Hydro
Operating Year: 2019 to 2028 Water Year: 1937
2017 White Book Report Date: 6/1/2017 *Continued*

S149-WB-20171215-145200

Energy-aMW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
118 Mud Creek	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
119 N-32 Canal	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
120 Nichols Gap	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
121 Nicholson	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
122 North Fork Sprague	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
123 North Gooding Main	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
124 O. J. Power Company	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
125 Odell Creek	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
126 Opal Springs	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95
127 Orchard Avenue	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
128 Owyhee Dam	1.82	1.81	1.82	1.82	1.82	1.81	1.82	1.82	1.82	1.81
129 Owyhee Tunnel No 1	2.72	2.71	2.72	2.72	2.72	2.71	2.72	2.72	2.72	2.71
130 Pancheri	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
131 PEC Headworks	2.83	2.82	2.83	2.83	2.83	2.82	2.83	2.83	2.83	2.82
132 Phillips Ranch	0	0	0	0	0	0	0	0	0	0
133 Phillipsburg	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
134 Pine Creek	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
135 Poderosa	0.29	0.28	0.29	0.29	0.29	0.28	0.29	0.29	0.29	0.28
136 Portland Hydro Project	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
137 Portneuf River	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
138 Potholes East Canal	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09
139 Preston	0.36	0.36	0.35	0.36	0.36	0.36	0.36	0.36	0.36	0.36
140 Pristine Springs	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
141 Quincy Chute	3.71	3.70	3.71	3.71	3.71	3.70	3.71	3.71	3.71	3.70
142 Ravenscroft Ranch	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
143 Reynolds Irrigation District	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
144 Rim View	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
145 Rock Creek #1	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
146 Rock Creek No 2	1.61	1.60	1.61	1.61	1.61	1.60	1.61	1.61	1.61	1.60
147 Rocky Brook	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
148 Russell D. Smith	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84
149 Sagebrush	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
150 Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
151 Schaffner	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
152 Shingle Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
153 Shoshone	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
154 Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
155 Smith Creek (Washington)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
156 Snake River Pottery	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
157 Snedigar Ranch	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
158 South Dry Creek	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
159 Spencer Lake Hydro	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
160 Spring Creek	0	0	0	0	0	0	0	0	0	0
161 Stayton Hydro	0	0	0	0	0	0	0	0	0	0
162 Stevenson #1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
163 Stevenson #2	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
164 Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
165 Summer Falls	37.2	37.1	37.2	37.2	37.2	37.1	37.2	37.2	37.2	37.1
166 Sunshine	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
167 Sygitowicz Creek	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
168 Thompson's Mills	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
169 Tiber Dam	3.24	3.23	3.24	3.24	3.24	3.23	3.24	3.24	3.24	3.23
170 Tieton Dam (Yakima)	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
171 Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
172 Twin Falls (WA)	7.69	9.56	9.57	9.57	9.57	9.56	9.57	9.57	9.57	9.56
173 Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
174 Upriver Dam	9.73	9.73	9.73	9.73	9.73	9.73	9.73	9.73	9.73	9.73
175 Walla Walla	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48
176 Water Street	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12

Regional: Small Hydro
Operating Year: 2019 to 2028 Water Year: 1937
2017 White Book Report Date: 6/1/2017 *Continued*

S149-WB-20171215-145200

Energy-aMW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
177 Watson Hydro	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
178 Weeks Falls	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
179 White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
180 White Water Ranch	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
181 Whitefish	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
182 Wilson Lake	3.14	3.13	3.14	3.14	3.14	3.13	3.14	3.14	3.14	3.13
183 Wisconsin Noble	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
184 Wolf Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
185 Woods Creek	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
186 Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
187 Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
188 Youngs Creek	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22
189 Zena Creek Ranch	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Total Small Hydro										
190 Cooperative	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35
191 Federal Entities	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08
192 Investor Owned Utilities	149	150	151	151	151	151	151	151	151	151
193 Marketer	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
194 Municipality	77.1	76.9	77.1	77.1	77.1	76.9	77.1	77.1	77.1	76.9
195 Public Utility District	16.3	16.2	16.3	16.3	16.3	16.2	16.3	16.3	16.3	16.2
196 Total Small Hydro	248	249	250	250	250	249	250	250	250	249

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Exhibit 11
Regional Combustion Turbines

Annual Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

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Regional: Combustion Turbine Resources

Operating Year: 2019 to 2028

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Combustion Turbine Resources										
1 Alden Baily	9.94	9.94	9.94	9.94	9.94	9.94	9.94	9.94	9.94	9.94
2 Basin Creek Project	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
3 Beaver	461	461	461	461	461	461	461	461	461	461
4 Beaver	443	443	443	443	443	443	443	443	443	443
5 Beaver 8	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
6 Bennett Mountain Peaking Plant	151	151	151	151	151	151	151	151	151	151
7 Boulder Park	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
8 Carty Generating Station	385	385	385	385	385	385	385	385	385	385
9 Chehalis Generation Facility	446	446	450	450	450	450	450	450	450	450
10 Dave Gates Generating Station	135	135	135	135	135	135	135	135	135	135
11 Encogen	142	142	142	142	142	142	142	142	142	142
12 Evander Andrews Complex	233	233	233	233	233	233	233	233	233	233
13 Danskin 1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
14 Danskin 2	156	156	156	156	156	156	156	156	156	156
15 Frederickson CT	224	224	224	224	183	179	179	179	179	179
16 Frederickson Power Project	125	125	125	125	125	125	125	125	125	125
17 Fredonia	268	268	268	268	268	268	268	268	268	268
18 Fredonia 1 & 2	176	176	176	176	176	176	176	176	176	176
19 Fredonia 3 & 4	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
20 Goldendale Energy Center	228	228	228	228	228	228	228	228	228	228
21 Grimes Way	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
22 Kettle Falls Station (CT)	8.77	8.77	8.77	8.77	8.77	8.77	8.77	8.77	8.77	8.77
23 Klamath Generation Facility	436	436	436	436	436	436	436	436	436	436
24 Klamath Generation Peakings (C	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
25 Lancaster	210	211	212	210	210	211	212	210	210	211
26 Langley Gulch CT	270	270	270	270	270	270	270	270	270	270
27 Mint Farm Energy Center	253	253	253	253	253	253	253	253	253	253
28 Northeast 1 & 2	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
29 Olympic View	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
30 Pasco Peak Power Plant	-2.24	-2.24	-2.24	-2.24	-2.24	-2.24	-2.24	-2.24	-2.24	-2.24
31 Port Westward	556	556	556	556	556	556	556	556	556	556
32 Port Westward 1	369	369	369	369	369	369	369	369	369	369
33 Port Westward 2	187	187	187	187	187	187	187	187	187	187
34 Rathdrum	142	142	142	142	142	142	142	142	142	142
35 River Road	223	223	223	223	223	223	223	223	223	223
36 Satsop Combustion Turbine Proj	584	584	584	584	584	584	584	584	584	584
37 Stahlbush Island Farms Bioqas	1.48	1.49	1.48	1.48	1.48	1.49	1.48	1.48	1.48	1.49
38 University of Washington Power	13.5	13.6	13.5	13.5	13.5	13.6	13.5	13.5	13.5	13.6
39 Whitehorn	132	132	132	132	132	132	132	132	132	132
Total Combustion Turbine Resources										
40 Investor Owned Utilities	4375	4377	4380	4379	4379	4381	4380	4379	4379	4381
41 Marketer	1110	1110	1110	1110	1110	1110	1110	1110	1110	1110
42 Municipality	17.1	17.2	17.1	17.1	17.1	17.2	17.1	17.1	17.1	17.2
43 Public Utility District	348	348	348	348	307	303	303	303	303	303
44 Total	5850	5852	5855	5853	5813	5811	5810	5809	5809	5811

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Exhibit 12
Regional Renewable Resources

Annual Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

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Regional: Renewable Resources
Operating Year: 2019 to 2028
2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Renewable Resources										
1 3 Bar G Wind	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
2 American Falls Solar	9.86	9.85	9.86	9.86	9.86	9.85	9.86	9.86	9.86	9.85
3 American Falls Solar 1	4.93	4.92	4.93	4.93	4.93	4.92	4.93	4.93	4.93	4.92
4 American Falls Solar 2	4.93	4.92	4.93	4.93	4.93	4.92	4.93	4.93	4.93	4.92
5 Ashland Solar Project	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
6 City Council	0	0	0	0	0	0	0	0	0	0
7 N. Mountain Park	0	0	0	0	0	0	0	0	0	0
8 Police Station	0	0	0	0	0	0	0	0	0	0
9 Public Works	0	0	0	0	0	0	0	0	0	0
10 Baldock Solar	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
11 Bannock County Landfill	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
12 Bellevue Solar (Amity, OR)	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
13 Bennett Creek Wind	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94
14 Benson Creek Wind	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35
15 Bettencourt B6 anaerobic digest	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
16 Big Horn Wind	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
17 Big Horn 1	47.0	46.9	47.0	47.0	47.0	46.9	47.0	47.0	47.0	46.9
18 Big Horn 2	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
19 Big Sky Dairy	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06
20 Biglow Canyon Wind	106	106	106	106	106	106	106	106	106	106
21 Biglow Canyon 1	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
22 Biglow Canyon 2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
23 Biglow Canyon 3	41.2	41.1	41.2	41.2	41.2	41.1	41.2	41.2	41.2	41.1
24 Black Cap Solar Project	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
25 Blue Basin Power	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
26 Boise City Solar	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
27 Burley Butte Wind	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59
28 Camp Reed Wind	5.30	5.29	5.30	5.30	5.30	5.29	5.30	5.30	5.30	5.29
29 Cassia Farms Wind	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47
30 Cassia Gulch Wind	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45	4.45
31 Cedar Hills Landfill	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
32 Clark Community Solar	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
33 Coffin Butte	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36
34 Coffin Butte 1	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38
35 Coffin Butte 2	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98
36 Cold Springs Wind	5.42	5.41	5.42	5.42	5.42	5.41	5.42	5.42	5.42	5.41
37 Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
38 Combine Hills Wind	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
39 Combine Hills 2	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
40 Combine Hills I	9.65	9.65	9.65	9.65	9.65	9.65	9.65	9.65	9.65	9.65
41 Condon Wind	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
42 Condon 1	5.79	5.79	5.79	5.79	5.79	5.79	5.79	5.79	5.79	5.79
43 Condon 2	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93
44 Cowlitz Community Solar	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
45 Cowlitz Community Solar - Admin Building	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
46 Cowlitz Community Solar - Operations Building	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
47 Deep Creek Wind	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
49 Desert Meadow Windfarm	5.42	5.41	5.42	5.42	5.42	5.41	5.42	5.42	5.42	5.41
50 Domaine Drouhin Solar	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
51 Double A Digester	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
53 Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
54 Dry Dairy Creek	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26
55 Durbin Creek Wind	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35

Regional: Renewable Resources

Operating Year: 2019 to 2028

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

S149-WB-20171215-145200

Energy-aMW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
56 Echo Wind Farm	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
57 Echo Wind 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
58 Echo Wind 2	4.71	4.71	4.71	4.71	4.71	4.71	4.71	4.71	4.71	4.71
59 Edaleen Cow Power	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
60 Elkhorn Valley Wind Project	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
61 Farm Power Lynden	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
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
63 Farm Power Rexville	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
64 Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
65 Fighting Creek Landfill	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
66 Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
67 Finn Hill Solar	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
68 Flathead County Landfill	1.30	1.29	1.30	1.30	1.30	1.29	1.30	1.30	1.30	1.29
69 Foote Creek 1 Wind	9.75	9.74	9.75	9.75	9.75	9.74	9.75	9.75	9.75	9.74
70 Foote Creek 2 Wind	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
71 Foote Creek 4 Wind	3.96	3.95	0.60	0	0	0	0	0	0	0
72 Forest Glen Oaks Dairy	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
73 Fossil Gulch Wind Project	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47
74 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0
75 Golden Valley Wind	2.83	2.82	2.83	2.83	2.83	2.82	2.83	2.83	2.83	2.82
76 Goodhoe Hills Wind	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
77 Goshen North (Ridgeline Wind)	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
78 Grayland Wind	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41
79 Grove Solar Center	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54
80 H.W. Hill Landfill Gas (Roosevelt)	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
81 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0
82 HW Hill Landfill Gas 2	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
83 Hammett Hill Wind	5.42	5.41	5.42	5.42	5.42	5.41	5.42	5.42	5.42	5.41
84 Harvest Wind	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
85 Hay Canyon Wind	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
86 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0
87 Hidden Hollow Landfill	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34
88 High Mesa Wind	9.39	9.39	9.39	9.39	9.39	9.39	9.39	9.39	9.39	9.39
89 Hopkins Ridge Wind	36.9	36.8	36.9	36.9	36.9	36.8	36.9	36.9	36.9	36.8
90 Hopkins Ridge 2	1.70	1.69	1.70	1.70	1.70	1.69	1.70	1.70	1.70	1.69
91 Hopkins Ridge 1	35.2	35.1	35.2	35.2	35.2	35.1	35.2	35.2	35.2	35.1
92 Horse Butte Wind	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
93 Horseshoe Bend Wind Project	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12
94 Hot Springs Wind	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
95 Hyline Solar Center	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84
96 Industrial Finishes Solar	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
97 JC-Biomethane	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
98 Jett Creek Wind	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35
99 Josef Stauer - Wind	0	0	0	0	0	0	0	0	0	0
100 Juniper Canyon Wind	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
101 Kettle Falls (biomass)	43.4	44.7	44.4	43.4	43.4	44.7	44.4	43.4	43.4	44.7
102 King Estate Solar	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
103 Kittitas Valley Wind	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
104 Klondike Wind 1	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65
105 Klondike Wind 2	17.7	17.6	17.7	17.7	17.7	17.6	17.7	17.7	17.7	17.6
106 Klondike Wind 3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.6
107 Klondike Wind 3a	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
108 Knudson Wind	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
109 Lakeview Solar	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
110 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0
111 Lakeview Solar 500	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
112 Leaning Juniper Wind	71.1	71.0	71.1	71.1	71.1	71.0	71.1	71.1	71.1	71.0
113 Leaning Juniper 1	23.7	23.6	23.7	23.7	23.7	23.6	23.7	23.7	23.7	23.6
114 Leaning Juniper 2a	21.3	21.2	21.3	21.3	21.3	21.2	21.3	21.3	21.3	21.2

Regional: Renewable Resources

Operating Year: 2019 to 2028

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

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Energy-aMW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
115 Leaning Juniper 2b	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
116 Lewandowski Farms Wind	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
117 Lime Wind	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
118 Linden Ranch Wind	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
119 Livingston Wind	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
120 Lower Snake Wind	144	143	144	144	144	143	144	144	144	143
121 Lower Snake Wind 1	80.7	80.6	80.7	80.7	80.7	80.6	80.7	80.7	80.7	80.6
122 Tucannon River Wind	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
123 LRI/Graham Landfill - BioFuels	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28
124 Mainline Wind	5.42	5.41	5.42	5.42	5.42	5.41	5.42	5.42	5.42	5.41
125 Marengo Wind	49.6	49.5	49.6	49.6	49.6	49.5	49.6	49.6	49.6	49.5
126 Marengo Wind 1	33.1	33.0	33.1	33.1	33.1	33.0	33.1	33.1	33.1	33.0
127 Marengo Wind 2	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
128 Meadow Creek Wind	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
129 Five Pine Wind	9.39	9.39	9.39	9.39	9.39	9.39	9.39	9.39	9.39	9.39
130 North Point Wind	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
131 Milner Dam Wind Farm	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59
132 Mountain Home Solar	6.68	6.67	6.68	6.68	6.68	6.67	6.68	6.68	6.68	6.67
133 Moyer-Tolles Solar Station	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
134 Murphy Flat Solar Power	5.35	5.34	5.35	5.35	5.35	5.34	5.35	5.35	5.35	5.34
135 Neal Hot Springs	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
136 Nine Canyon Wind	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
137 Nine Canyon Wind 1	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
138 Nine Canyon Wind 2	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66
139 Nine Canyon Wind 3	7.59	7.58	7.59	7.59	7.59	7.58	7.59	7.59	7.59	7.58
140 Open Range Solar Center	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84
141 Orchard Ranch Solar	5.38	5.38	5.38	5.38	5.38	5.38	5.38	5.38	5.38	5.38
142 Oregon Trail Wind	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18
143 Outback Solar	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
144 Paisley Geothermal	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
145 Palouse Wind	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
146 PaTu Wind	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12
147 Paynes Ferry Wind Park	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94
148 Pebble Springs Wind	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
149 Pepsi-Cola Solar	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
150 Pepsi-Cola Eugene Solar 1	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
152 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0
153 Pilgrim Stage Station Wind Park	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47
154 Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
155 Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
156 Power County Wind	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
157 Prospector Wind	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35
158 Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
159 Qualco Dairy Digester	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
160 Raft River Geothermal	8.64	8.64	8.64	8.64	8.64	8.64	8.64	8.64	8.64	8.64
161 Raft River Geothermal 1	8.64	8.64	8.64	8.64	8.64	8.64	8.64	8.64	8.64	8.64
162 Raft River Geothermal 2	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
164 Railroad Solar Center	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84
165 Rainier Biogas	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	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
167 River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
168 Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
169 Rock River Wind	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
170 Rockland wind	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
171 Ryegrass Wind	5.42	5.41	5.42	5.42	5.42	5.41	5.42	5.42	5.42	5.41
172 Salmon Falls Wind	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94
173 Sawtooth Wind	5.27	5.27	5.27	5.27	5.27	5.27	5.27	5.27	5.27	5.27

Regional: Renewable Resources

Operating Year: 2019 to 2028

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

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Energy-aMW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
174 Shepherds Flat Wind	199	199	199	199	199	199	199	199	199	199
175 Shepherds Flat - Central (South Hurlburt)	68.3	68.2	68.3	68.3	68.3	68.2	68.3	68.3	68.3	68.2
176 Shepherds Flat - North (North Hurlburt)	62.4	62.3	62.4	62.4	62.4	62.3	62.4	62.4	62.4	62.3
177 Shepherds Flat - South (Horseshoe Bend)	68.3	68.2	68.3	68.3	68.3	68.2	68.3	68.3	68.3	68.2
178 Short Mountain	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
179 Simco Solar	5.37	5.37	5.37	5.37	5.37	5.37	5.37	5.37	5.37	5.37
180 Star Point Wind	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
181 Stateline Wind	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
182 Stateline-OR	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
183 Stateline-WA	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
184 Steel Bridge Solar	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
185 Stoltze Biomass	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
186 Swager Digester	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
188 Thousand Springs Wind Park	2.83	2.82	2.83	2.83	2.83	2.82	2.83	2.83	2.83	2.82
189 Threemile Canyon Wind	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33
190 Thunderegg Solar Center	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84
191 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0
192 Tuana Gulch Wind	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47
193 Tuana Springs Wind	3.96	3.95	3.96	3.96	3.96	3.95	3.96	3.96	3.96	3.95
194 Two Ponds Wind	5.42	5.41	5.42	5.42	5.42	5.41	5.42	5.42	5.42	5.41
195 Vale Air Solar Center	0	0.58	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
196 Van Dyk's Holsteins	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
197 Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
198 Vansycle Wind	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
199 Vansycle 1	5.91	5.91	5.91	5.91	5.91	5.91	5.91	5.91	5.91	5.91
200 Vansycle 2	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
201 Vantage Wind	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
202 Wheat Field Wind	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
203 White Bluffs Solar	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
204 White Creek Wind	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	45.6
205 Wild Horse Wind	64.3	64.2	64.3	64.3	64.3	64.2	64.3	64.3	64.3	64.2
206 Wild Horse Solar 1	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
207 Wild Horse Wind 1	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
208 Wild Horse Wind 2	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
209 Willow Creek Wind	17.0	16.9	17.0	17.0	17.0	16.9	17.0	17.0	17.0	16.9
210 Willow Spring Wind Farm	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35
211 Windy Point Wind	93.9	93.8	93.9	93.9	93.9	93.8	93.9	93.9	93.9	93.8
212 Windy Point 1	32.2	32.1	32.2	32.2	32.2	32.1	32.2	32.2	32.2	32.1
213 Windy Point 2	47.7	47.6	47.7	47.7	47.7	47.6	47.7	47.7	47.7	47.6
214 Windy Point 2 - Phase 2	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
215 Wolverine Creek Wind	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
216 Yahoo Creek Wind	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94
217 Yamhill Solar	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15

Total Renewable Resources

218 Cooperative	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
219 Federal Entities	57.9	57.9	54.6	50.6	34.8	33.0	33.0	33.0	19.8	1.90
220 Investor Owned Utilities	1250	1251	1252	1251	1222	1210	1211	1210	1210	1202
221 Marketer	138	138	138	140	182	212	214	214	231	263
222 Municipality	310	310	310	312	314	298	297	297	293	287
223 Other	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
224 Public Utility District	162	162	162	162	162	162	162	162	162	161
225 Total	1952	1953	1950	1949	1949	1949	1950	1949	1949	1947

Exhibit 13
Regional Cogeneration Resources

Annual Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

Regional: Cogeneration Resources
Operating Year: 2019 to 2028
2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Cogeneration Resources										
1 Biomass One	14.6	14.7	14.6	14.6	14.6	14.7	14.6	14.6	14.6	14.7
2 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0
3 Cogen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
4 Cogen Co 2	5.67	5.68	5.67	5.67	5.67	5.68	5.67	5.67	5.67	5.68
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	228	228	228	228	228	228	228	228	228	228
7 Coyote Springs 2	287	287	287	287	287	287	287	287	287	287
8 Evergreen Biopower Cogen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9 Ferndale Cogeneration Station	225	225	225	225	225	225	225	225	225	225
10 Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
11 Georgia-Pacific Paper (Camas)	10.00	9.73	10.00	9.73	10.00	9.73	10.00	9.73	10.00	9.73
12 Haleywest L.L.C	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20
13 Hampton Lumber Mill (Darrington)	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03
14 Hermiston Generation Project	399	401	408	399	401	408	399	401	408	399
15 Hermiston Power Project	567	567	567	567	567	567	567	567	567	567
16 International Paper Energy Center	16.7	16.4	16.4	16.4	16.7	16.7	16.4	16.4	16.4	16.7
17 International Paper Energy Center 2	6.44	6.32	6.31	6.31	6.41	6.44	6.31	6.31	6.31	6.41
18 International Paper Energy Center 1	10.3	10.1	10.1	10.1	10.3	10.3	10.1	10.1	10.1	10.3
19 InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
20 Lakeview Biomass	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
21 Longview Fibre Paper & Packaging	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
22 Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	124	124	124	124	124	124	124	124	124	124
25 Metro West Point	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
26 Nippon Paper Cogen (Port Angel)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
27 Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
28 Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
29 Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
30 Potlatch	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
31 Potlatch NG 1	9.06	9.06	9.06	9.06	9.06	9.06	9.06	9.06	9.06	9.06
32 Potlatch Wood Waste 1	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
33 Rupert Cogeneration Facility	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39
34 SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35 Seneca Sawmill Cogen	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
36 Sierra Pacific - Aberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
37 Sierra Pacific - Burlington	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
38 Simplot Pocatello	8.18	8.18	8.18	8.18	8.18	8.18	8.18	8.18	8.18	8.18
39 Sumas	123	123	123	123	123	123	123	123	123	123
40 Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
41 Tacoma Biomass (WestRock)	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
42 Tamarack	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91
43 TASC0 - Nampa	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
44 TASC0 - Twin Falls	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
46 Vaaqen Bros.	0	0	0	0	0	0	0	0	0	0
47 Wah Chang Cogen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
48 Warm Springs Cogen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
49 Wauna	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
50 Weyerhaeuser Longview	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
51 Weyerhaeuser Longview 2	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
52 Weyerhaeuser Longview 1	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
Total Cogeneration Resources										
53 Cooperative	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94

Regional: Cogeneration Resources

Operating Year: 2019 to 2028

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

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Energy-aMW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
54 Direct Service Industry	34.5	34.5	37.3	53.8	53.8	53.8	53.8	53.8	53.8	53.8
55 Investor Owned Utilities	1521	1523	1530	1520	1523	1530	1521	1522	1530	1521
56 Marketer	672	678	680	724	724	724	724	724	724	724
57 Municipality	103	95.7	93.0	40.5	40.5	40.5	40.5	40.5	40.5	40.5
58 Other	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
59 Public Utility District	16.6	16.6	15.3	7.03	7.03	7.03	7.03	7.03	7.03	7.03
60 Total	2372	2374	2381	2371	2374	2381	2372	2373	2381	2372

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Exhibit 14
Regional Large Thermal Resources

Annual Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

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Regional: Large Thermal Resources
Operating Year: 2019 to 2028
2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Large Thermal Resources										
1 Boardman	448	448	205	0	0	0	0	0	0	0
2 Centralia Complex	1203	1203	811	590	590	601	601	209	0	0
3 Centralia 1	601	601	209	0	0	0	0	0	0	0
4 Centralia 2	601	601	601	590	590	601	601	209	0	0
5 Colstrip	1348	1338	1415	1324	1092	1160	1074	1092	1160	1074
6 Colstrip 1	137	128	125	125	0	0	0	0	0	0
7 Colstrip 2	137	117	131	125	0	0	0	0	0	0
8 Colstrip 3	481	413	481	481	413	481	481	413	481	481
9 Colstrip 4	593	679	679	593	679	679	593	679	679	594
10 Columbia Generating Station	937	1100	937	1100	937	1100	937	1100	937	1100
11 Jim Bridger	1875	1839	1878	1869	1878	1863	1875	1838	1878	1870
12 Jim Bridger #1	479	427	483	458	483	451	479	427	483	458
13 Jim Bridger #2	476	493	476	493	476	493	476	493	476	493
14 Jim Bridger #3	477	477	477	477	477	477	477	477	477	477
15 Jim Bridger #4	442	442	442	442	442	442	442	442	442	442
16 Valmy	225	226	225	164	116	116	116	50.4	0	0
17 North Valmy 1	110	110	110	48.0	0	0	0	0	0	0
18 North Valmy 2	116	116	116	116	116	116	116	50.4	0	0
Total Large Thermal Resources										
19 Federal Entities	937	1100	937	1100	937	1100	937	1100	937	1100
20 Investor Owned Utilities	4237	4191	4066	3691	3421	3480	3405	3100	3038	2944
21 Marketer	862	862	470	256	256	260	260	90.7	0	0
22 Municipality	0	0	0	0	0	0	0	0	0	0
23 Total	6036	6152	5473	5047	4614	4840	4603	4290	3975	4044

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Exhibit 15
Regional Small Thermal & Miscellaneous

Annual Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

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Regional: Small Thermal & Miscellaneous

Operating Year: 2019 to 2028

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Small Thermal & Miscellaneous										
1 Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0
2 Bangor Base 1	0	0	0	0	0	0	0	0	0	0
3 Bangor Base 2	0	0	0	0	0	0	0	0	0	0
4 Boundary IC	0	0	0	0	0	0	0	0	0	0
5 Colstrip Energy Project	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
6 Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7 Crystal Mountain	0	0	0	0	0	0	0	0	0	0
8 Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10 Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0
11 Salmon Diesel	0	0	0	0	0	0	0	0	0	0
12 Spokane MSW	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
13 West Boise Waste	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Total Small Thermal & Miscellaneous										
14 Federal Entities	0	0	0	0	0	0	0	0	0	0
15 Investor Owned Utilities	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
16 Municipality	0	0	0	0	0	0	0	0	0	0
17 Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Total	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6

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Exhibit 16
Non-Federal CER Deliveries to BPA

Annual Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

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Non-Federal CER Deliveries to BPA
Operating Year 2019 to 2028
2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Pacific Northwest										
1 CHPD to BPA CEAEA for Rock Island	18.2	18.3	18.3	18.2	18.3	18.3	18.3	18.3	18.3	18.2
2 CHPD to BPA CEAEA for Rocky Reach	37.5	37.7	37.7	37.6	37.7	37.7	37.9	37.9	37.9	37.7
3 DOPD to BPA CEAEA for Wells	23.7	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.3
4 GCPD to BPA CEAEA for Priest Rapids	28.9	28.6	28.6	28.5	28.6	28.6	28.6	28.5	28.5	28.4
5 GCPD to BPA CEAEA for Wanpum	28.4	28.6	28.6	28.5	28.6	28.6	28.7	28.7	28.7	28.6
6 Total Imports From PNW	137	137	137	136	137	137	137	137	137	136
Total Imports										
7 Federal Entities	137	137	137	136	137	137	137	137	137	136
8 Total Imports	137	137	137	136	137	137	137	137	137	136

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

Annual Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

Federal Report Surplus Deficit By Water Year
Operating Year 2019 to 2028
2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW - Surplus Deficit	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
1 1929 Federal Report Surplus Deficit	233	276	51	88	-90	43.6	-127	6.0	-160	-30.9
2 1930 Federal Report Surplus Deficit	128	202	-46.0	-11.8	-189	-55	-227	-93	-259	-130
3 1931 Federal Report Surplus Deficit	42.2	148	-103	-70	-248	-116	-285	-152	-318	-190
4 1932 Federal Report Surplus Deficit	1237	1301	1067	1080	905	1030	867	998	835	955
5 1933 Federal Report Surplus Deficit	2109	2177	1962	1969	1796	1928	1759	1888	1726	1853
6 1934 Federal Report Surplus Deficit	3197	3223	2958	2924	2747	2885	2710	2843	2677	2811
7 1935 Federal Report Surplus Deficit	1197	1306	1044	1071	893	1030	855	989	823	956
8 1936 Federal Report Surplus Deficit	992	1049	834	852	682	805	645	770	612	731
9 1937 Federal Report Surplus Deficit	60	169	-94	-60	-238	-105	-275	-142	-308	-180
10 1938 Federal Report Surplus Deficit	1844	1901	1635	1637	1458	1595	1421	1556	1388	1520
11 1939 Federal Report Surplus Deficit	727	831	582	619	443	576	406	538	373	501
12 1940 Federal Report Surplus Deficit	957	1095	819	850	672	805	635	768	602	731
13 1941 Federal Report Surplus Deficit	268	348	118	149	-29.7	104	-67	67	-100	29.7
14 1942 Federal Report Surplus Deficit	1406	1413	1186	1217	1039	1173	1001	1135	969	1098
15 1943 Federal Report Surplus Deficit	2374	2475	2248	2252	2076	2209	2039	2170	2006	2134
16 1944 Federal Report Surplus Deficit	51	123	-129	-92	-270	-135	-307	-174	-340	-210
17 1945 Federal Report Surplus Deficit	414	481	242	264	88	219	50	183	17.8	144
18 1946 Federal Report Surplus Deficit	1869	1896	1627	1641	1461	1598	1424	1560	1391	1523
19 1947 Federal Report Surplus Deficit	2490	2560	2344	2341	2166	2300	2129	2260	2097	2226
20 1948 Federal Report Surplus Deficit	2805	2889	2660	2641	2480	2597	2442	2560	2410	2523
21 1949 Federal Report Surplus Deficit	1939	2012	1782	1789	1612	1742	1575	1706	1542	1667
22 1950 Federal Report Surplus Deficit	2421	2550	2265	2250	2079	2211	2042	2168	2009	2136
23 1951 Federal Report Surplus Deficit	3494	3536	3246	3216	3010	3177	2973	3134	2940	3102
24 1952 Federal Report Surplus Deficit	2709	2743	2506	2493	2316	2450	2279	2411	2246	2375
25 1953 Federal Report Surplus Deficit	1638	1714	1500	1521	1346	1482	1309	1440	1276	1408
26 1954 Federal Report Surplus Deficit	2567	2585	2377	2362	2187	2321	2150	2280	2117	2247
27 1955 Federal Report Surplus Deficit	1984	2009	1835	1854	1680	1799	1643	1763	1610	1725
28 1956 Federal Report Surplus Deficit	3479	3529	3293	3267	3099	3228	3061	3186	3029	3153
29 1957 Federal Report Surplus Deficit	2245	2280	2083	2089	1913	2041	1876	2007	1843	1966
30 1958 Federal Report Surplus Deficit	1806	1909	1677	1690	1513	1647	1476	1608	1443	1573
31 1959 Federal Report Surplus Deficit	2748	2787	2564	2553	2380	2513	2343	2471	2310	2438
32 1960 Federal Report Surplus Deficit	2909	2965	2737	2704	2530	2662	2492	2626	2460	2588
33 1961 Federal Report Surplus Deficit	2071	2095	1888	1889	1715	1847	1677	1807	1645	1772
34 1962 Federal Report Surplus Deficit	1611	1675	1410	1436	1257	1394	1220	1355	1187	1319
35 1963 Federal Report Surplus Deficit	1805	1858	1636	1650	1473	1608	1436	1569	1403	1534
36 1964 Federal Report Surplus Deficit	1716	1745	1588	1589	1432	1543	1395	1507	1362	1469
37 1965 Federal Report Surplus Deficit	3367	3405	3133	3107	2912	3069	2875	3024	2842	2995
38 1966 Federal Report Surplus Deficit	1526	1585	1374	1408	1229	1365	1192	1326	1159	1290
39 1967 Federal Report Surplus Deficit	2221	2256	2046	2044	1885	2004	1847	1963	1815	1930
40 1968 Federal Report Surplus Deficit	1854	1899	1674	1688	1511	1647	1473	1606	1441	1573
41 1969 Federal Report Surplus Deficit	3158	3188	2947	2917	2733	2872	2696	2830	2663	2797
42 1970 Federal Report Surplus Deficit	1500	1549	1314	1337	1162	1295	1125	1255	1092	1221
43 1971 Federal Report Surplus Deficit	3027	3087	2820	2798	2639	2761	2602	2716	2569	2687
44 1972 Federal Report Surplus Deficit	3444	3457	3233	3183	3030	3145	2992	3102	2960	3070
45 1973 Federal Report Surplus Deficit	914	996	776	801	634	769	597	730	564	694
46 1974 Federal Report Surplus Deficit	3336	3410	3153	3120	2946	3083	2909	3039	2876	3009
47 1975 Federal Report Surplus Deficit	2245	2318	2085	2095	1922	2052	1884	2013	1852	1977
48 1976 Federal Report Surplus Deficit	3479	3509	3237	3212	3033	3170	2996	3130	2963	3096
49 1977 Federal Report Surplus Deficit	547	613	387	415	231	365	194	327	161	290
50 1978 Federal Report Surplus Deficit	1562	1642	1381	1395	1217	1353	1180	1314	1148	1279
51 1979 Federal Report Surplus Deficit	1082	1167	911	946	761	898	724	859	691	824
52 1980 Federal Report Surplus Deficit	1283	1324	1078	1085	918	1039	881	1003	848	964
53 1981 Federal Report Surplus Deficit	2098	2137	1940	1939	1769	1899	1732	1857	1699	1825
54 1982 Federal Report Surplus Deficit	3221	3292	3045	3036	2864	3000	2826	2954	2794	2925
55 1983 Federal Report Surplus Deficit	2961	2989	2745	2727	2545	2681	2508	2640	2475	2606

Federal Report Surplus Deficit By Water Year

Operating Year 2019 to 2028

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

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Energy-aMW - Surplus Deficit	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
56 1984 Federal Report Surplus Deficit	2896	2949	2724	2711	2531	2669	2494	2629	2461	2594
57 1985 Federal Report Surplus Deficit	1396	1478	1239	1268	1088	1224	1051	1187	1018	1150
58 1986 Federal Report Surplus Deficit	2278	2331	2065	2060	1885	2020	1847	1979	1815	1946
59 1987 Federal Report Surplus Deficit	818	904	683	712	535	669	497	631	465	594
60 1988 Federal Report Surplus Deficit	147	221	-11.4	22.3	-155	-24.0	-193	-59	-225	-98
61 1989 Federal Report Surplus Deficit	933	988	739	765	588	717	551	684	518	643
62 1990 Federal Report Surplus Deficit	1843	1931	1694	1710	1531	1671	1493	1629	1461	1597
63 1991 Federal Report Surplus Deficit	2464	2533	2305	2297	2120	2256	2083	2216	2050	2181
64 1992 Federal Report Surplus Deficit	515	595	372	399	232	368	195	328	162	293
65 1993 Federal Report Surplus Deficit	669	719	483	511	332	464	295	429	262	389
66 1994 Federal Report Surplus Deficit	461	545	300	336	158	291	121	254	88	216
67 1995 Federal Report Surplus Deficit	1370	1413	1187	1201	1025	1158	987	1119	955	1083
68 1996 Federal Report Surplus Deficit	3872	3934	3641	3596	3430	3558	3392	3514	3360	3483
69 1997 Federal Report Surplus Deficit	3660	3722	3504	3471	3300	3435	3263	3389	3230	3360
70 1998 Federal Report Surplus Deficit	2453	2449	2240	2233	2063	2185	2025	2147	1993	2110
71 1999 Federal Report Surplus Deficit	2806	2846	2651	2630	2449	2590	2412	2548	2379	2516
72 2000 Federal Report Surplus Deficit	2350	2403	2162	2172	1993	2127	1955	2088	1923	2052
73 2001 Federal Report Surplus Deficit	-7.3	72	-150	-117	-294	-160	-331	-198	-364	-234
74 2002 Federal Report Surplus Deficit	1182	1234	1017	1037	863	991	825	955	793	916
75 2003 Federal Report Surplus Deficit	1016	1086	855	879	706	832	668	797	636	758
76 2004 Federal Report Surplus Deficit	743	843	610	647	469	601	432	566	400	526
77 2005 Federal Report Surplus Deficit	1172	1222	937	968	791	927	753	886	721	852
78 2006 Federal Report Surplus Deficit	2206	2294	2034	2040	1863	2000	1826	1958	1793	1925
79 2007 Federal Report Surplus Deficit	1597	1702	1444	1462	1284	1419	1247	1380	1214	1344
80 2008 Federal Report Surplus Deficit	1319	1384	1171	1178	1010	1133	972	1097	940	1058
Ranked Averages										
81 Bottom 10 pct	115	195	-45.6	-11.5	-189	-56	-227	-93	-259	-130
82 Middle 80 pct	1804	1866	1633	1642	1467	1599	1429	1560	1397	1524
83 Top 10 pct	3516	3563	3305	3272	3095	3233	3058	3190	3025	3159

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

Annual Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

Regional Report Surplus Deficit By Water Year
Operating Year 2019 to 2028
2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW - Surplus Deficit	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
1 1929 Regional Report Surplus Deficit	4679	4509	3557	2912	2262	2320	1887	1458	1046	1007
2 1930 Regional Report Surplus Deficit	4193	4095	3107	2462	1812	1873	1437	1008	595	560
3 1931 Regional Report Surplus Deficit	3920	3862	2868	2222	1572	1628	1197	768	356	315
4 1932 Regional Report Surplus Deficit	6410	6281	5322	4650	4003	4048	3628	3196	2787	2735
5 1933 Regional Report Surplus Deficit	8207	8080	7144	6449	5815	5862	5440	4996	4599	4549
6 1934 Regional Report Surplus Deficit	10428	10218	9236	8501	7852	7919	7477	7047	6635	6606
7 1935 Regional Report Surplus Deficit	6575	6515	5502	4846	4195	4262	3821	3393	2979	2949
8 1936 Regional Report Surplus Deficit	5962	5821	4876	4209	3569	3614	3194	2755	2353	2300
9 1937 Regional Report Surplus Deficit	4088	4032	3017	2372	1721	1779	1347	918	505	465
10 1938 Regional Report Surplus Deficit	7729	7584	6568	5877	5225	5288	4850	4423	4008	3975
11 1939 Regional Report Surplus Deficit	5589	5512	4529	3880	3231	3290	2857	2426	2015	1977
12 1940 Regional Report Surplus Deficit	5769	5761	4722	4069	3419	3479	3044	2615	2203	2166
13 1941 Regional Report Surplus Deficit	4274	4179	3214	2560	1909	1969	1534	1106	693	656
14 1942 Regional Report Surplus Deficit	6578	6343	5373	4719	4068	4129	3694	3265	2852	2815
15 1943 Regional Report Surplus Deficit	8864	8773	7807	7108	6470	6519	6095	5654	5254	5205
16 1944 Regional Report Surplus Deficit	4253	4143	3141	2493	1843	1904	1468	1039	627	590
17 1945 Regional Report Surplus Deficit	4810	4669	3683	3020	2371	2427	1996	1566	1155	1114
18 1946 Regional Report Surplus Deficit	7967	7768	6759	6077	5424	5488	5049	4623	4208	4174
19 1947 Regional Report Surplus Deficit	9035	8913	7997	7302	6656	6718	6281	5848	5440	5405
20 1948 Regional Report Surplus Deficit	9633	9521	8560	7838	7212	7247	6837	6384	5996	5933
21 1949 Regional Report Surplus Deficit	8063	7926	6972	6283	5635	5688	5260	4828	4419	4374
22 1950 Regional Report Surplus Deficit	9163	9120	8056	7352	6715	6771	6340	5898	5499	5458
23 1951 Regional Report Surplus Deficit	11395	11219	10176	9435	8744	8855	8369	7981	7528	7541
24 1952 Regional Report Surplus Deficit	9602	9403	8447	7723	7084	7134	6709	6269	5868	5821
25 1953 Regional Report Surplus Deficit	7427	7314	6370	5683	5051	5103	4676	4230	3835	3790
26 1954 Regional Report Surplus Deficit	9406	9198	8248	7529	6883	6946	6508	6075	5667	5632
27 1955 Regional Report Surplus Deficit	8146	7943	7051	6373	5730	5768	5355	4908	4513	4454
28 1956 Regional Report Surplus Deficit	11218	11061	10093	9360	8725	8776	8350	7907	7509	7463
29 1957 Regional Report Surplus Deficit	8727	8530	7624	6920	6287	6324	5912	5467	5071	5010
30 1958 Regional Report Surplus Deficit	7744	7677	6681	6000	5351	5414	4976	4546	4135	4101
31 1959 Regional Report Surplus Deficit	9569	9399	8443	7724	7081	7141	6706	6271	5865	5828
32 1960 Regional Report Surplus Deficit	10016	9854	8894	8151	7508	7565	7133	6705	6292	6252
33 1961 Regional Report Surplus Deficit	8192	7992	7066	6370	5725	5785	5350	4917	4509	4472
34 1962 Regional Report Surplus Deficit	7267	7120	6106	5441	4789	4853	4414	3987	3573	3540
35 1963 Regional Report Surplus Deficit	7793	7636	6685	6005	5356	5420	4981	4551	4140	4107
36 1964 Regional Report Surplus Deficit	7651	7458	6589	5894	5270	5300	4895	4440	4054	3987
37 1965 Regional Report Surplus Deficit	10757	10578	9553	8824	8151	8245	7776	7369	6934	6932
38 1966 Regional Report Surplus Deficit	7298	7153	6221	5566	4915	4976	4540	4113	3699	3663
39 1967 Regional Report Surplus Deficit	8606	8427	7482	6784	6157	6201	5782	5330	4941	4888
40 1968 Regional Report Surplus Deficit	7994	7829	6881	6203	5554	5621	5179	4750	4338	4307
41 1969 Regional Report Surplus Deficit	10449	10256	9280	8543	7885	7952	7510	7082	6669	6639
42 1970 Regional Report Surplus Deficit	7149	7015	6048	5378	4734	4792	4360	3924	3518	3479
43 1971 Regional Report Surplus Deficit	10213	10055	9019	8291	7669	7715	7294	6837	6453	6401
44 1972 Regional Report Surplus Deficit	11275	11054	10094	9328	8710	8747	8335	7874	7493	7434
45 1973 Regional Report Surplus Deficit	6128	6022	5076	4406	3773	3834	3398	2969	2557	2521
46 1974 Regional Report Surplus Deficit	10906	10786	9783	9044	8398	8467	8023	7590	7182	7154
47 1975 Regional Report Surplus Deficit	8770	8644	7678	6992	6355	6403	5980	5538	5138	5090
48 1976 Regional Report Surplus Deficit	11180	10982	9968	9239	8590	8652	8215	7784	7373	7338
49 1977 Regional Report Surplus Deficit	5083	4953	4005	3337	2679	2738	2304	1875	1463	1425
50 1978 Regional Report Surplus Deficit	7136	7021	6006	5329	4679	4742	4304	3876	3463	3429
51 1979 Regional Report Surplus Deficit	6288	6184	5177	4529	3870	3936	3495	3069	2654	2623
52 1980 Regional Report Surplus Deficit	6703	6548	5558	4871	4235	4278	3860	3417	3019	2964
53 1981 Regional Report Surplus Deficit	8177	8018	7100	6398	5758	5817	5384	4945	4542	4504
54 1982 Regional Report Surplus Deficit	10368	10235	9244	8534	7895	7958	7520	7080	6679	6644
55 1983 Regional Report Surplus Deficit	10143	9949	8956	8231	7576	7641	7201	6771	6360	6327

Regional Report Surplus Deficit By Water Year

Operating Year 2019 to 2028

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

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Energy-aMW - Surplus Deficit	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
56 1984 Regional Report Surplus Deficit	9867	9706	8766	8036	7387	7449	7012	6582	6171	6135
57 1985 Regional Report Surplus Deficit	7032	6926	5946	5279	4626	4688	4251	3825	3410	3374
58 1986 Regional Report Surplus Deficit	8724	8575	7549	6842	6195	6258	5820	5388	4978	4945
59 1987 Regional Report Surplus Deficit	5820	5722	4774	4112	3462	3523	3087	2658	2246	2209
60 1988 Regional Report Surplus Deficit	4294	4176	3217	2568	1918	1973	1543	1114	702	660
61 1989 Regional Report Surplus Deficit	5943	5784	4805	4146	3496	3548	3121	2693	2280	2234
62 1990 Regional Report Surplus Deficit	7903	7799	6832	6161	5508	5579	5133	4707	4292	4266
63 1991 Regional Report Surplus Deficit	9062	8930	7987	7285	6636	6700	6261	5832	5420	5386
64 1992 Regional Report Surplus Deficit	4945	4847	3918	3265	2632	2697	2257	1829	1416	1383
65 1993 Regional Report Surplus Deficit	5195	5037	4074	3426	2775	2829	2400	1973	1559	1515
66 1994 Regional Report Surplus Deficit	4880	4798	3829	3184	2534	2591	2159	1731	1318	1278
67 1995 Regional Report Surplus Deficit	6791	6629	5675	5008	4360	4421	3986	3555	3144	3108
68 1996 Regional Report Surplus Deficit	11948	11802	10740	9993	9358	9416	8983	8540	8142	8102
69 1997 Regional Report Surplus Deficit	11471	11319	10369	9632	8989	9055	8615	8178	7773	7742
70 1998 Regional Report Surplus Deficit	9295	9035	8097	7392	6751	6796	6377	5932	5535	5482
71 1999 Regional Report Surplus Deficit	9861	9670	8774	8045	7393	7463	7018	6591	6177	6150
72 2000 Regional Report Surplus Deficit	8900	8738	7768	7088	6435	6495	6060	5631	5219	5181
73 2001 Regional Report Surplus Deficit	3861	3762	2822	2171	1521	1582	1146	717	305	268
74 2002 Regional Report Surplus Deficit	6296	6145	5205	4542	3896	3947	3521	3088	2680	2634
75 2003 Regional Report Surplus Deficit	5852	5718	4767	4115	3471	3521	3096	2662	2255	2207
76 2004 Regional Report Surplus Deficit	5411	5338	4390	3748	3097	3152	2722	2294	1881	1839
77 2005 Regional Report Surplus Deficit	6201	6070	5016	4369	3719	3783	3344	2915	2503	2469
78 2006 Regional Report Surplus Deficit	8320	8206	7186	6500	5851	5917	5476	5047	4635	4603
79 2007 Regional Report Surplus Deficit	7282	7226	6233	5561	4911	4972	4536	4107	3695	3659
80 2008 Regional Report Surplus Deficit	6524	6365	5457	4777	4139	4183	3764	3323	2922	2870
Ranked Averages										
81 Bottom 10 pct	4195	4095	3118	2470	1820	1879	1445	1016	604	565
82 Middle 80 pct	7702	7561	6595	5910	5265	5322	4890	4457	4049	4009
83 Top 10 pct	11269	11100	10097	9357	8708	8777	8333	7903	7492	7463

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Section 2: Monthly Energy Operating Year 2019 to 2028

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Exhibit 19
Federal Report Surplus Deficit

Monthly Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Obligations															
1 Load Following	3528	3531	3198	3003	3479	3918	3869	3666	3256	3317	3317	3322	3473	3748	3481
2 Preference Customers	3116	3119	2840	2783	3319	3732	3699	3503	3061	2950	2950	2885	3016	3229	3177
3 Federal Agencies	102	102	95.8	112	141	165	160	148	128	112	112	105	108	120	125
4 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
5 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Tier 1 Block	343	343	578	485	795	782	849	799	765	382	382	121	0	291	515
7 Tier 1 Block	343	343	578	485	795	782	849	799	765	382	382	121	0	291	515
8 Slice	3040	2833	2749	2798	3431	3561	3195	3146	3068	2824	2917	3357	2919	2828	3072
9 Slice Block	1338	1338	1289	1379	1601	1829	1822	1676	1550	1439	1439	1386	1355	1422	1507
10 Slice Output from T1 System	1702	1495	1460	1419	1830	1732	1374	1470	1518	1385	1478	1971	1564	1406	1565
11 Direct Service Industries	87.5	87.5	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
12 Direct Service Industry	87.5	87.5	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
13 Contract Deliveries	609	612	508	501	614	608	608	605	532	534	534	479	478	495	547
14 Exports	594	598	494	487	483	479	478	476	464	464	464	464	464	480	486
15 Intra-Regional Transfers (Out)	14.8	14.8	13.7	13.9	131	130	130	129	67.4	70.0	70.0	14.5	14.4	15.8	61.5
16 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Total Firm Obligations	7607	7407	7121	6875	8408	8958	8609	8304	7709	7145	7238	7366	6958	7450	7703
Net Resources															
18 Hydro Resources	7237	6294	6023	5668	7539	7113	5498	5923	6130	5687	6118	9108	7649	6006	6613
19 Regulated Hydro - Net	6872	5933	5681	5359	7279	6937	5381	5791	5897	5249	5672	8386	6938	5597	6261
20 Independent Hydro - Net	362	358	340	307	257	172	113	128	230	435	442	719	708	407	349
21 Small Hydro - Net	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.05	3.10	3.09	3.09	2.83	2.72	2.63	2.88
22 Other Resources	1140	1159	1155	1144	1164	1148	1126	1143	1149	1188	1174	434	78.5	1070	995
23 Cogeneration Resources	0	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	0
25 Large Thermal Resources	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	355	0	994	937
26 Renewable Resources	39.6	59.4	55.2	44.4	63.6	48.5	25.9	42.9	49.3	88.2	74.2	79.4	78.5	76.7	57.9
27 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Contract Purchases	381	379	355	421	423	410	414	402	398	379	381	389	377	379	394

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
²⁹ Imports	65.4	65.6	64.3	116	115	114	115	115	115	65.4	65.4	65.0	64.9	65.0	89.9
³⁰ Intra-Regional Transfers (In)	145	146	131	141	136	129	134	122	120	149	149	148	149	148	138
³¹ Non-Federal CER	138	139	132	138	138	134	139	137	134	138	138	139	133	139	137
³² Slice Transmission Loss Return	32.4	28.4	27.8	27.0	34.8	32.9	26.1	27.9	28.9	26.3	28.1	37.5	29.7	26.7	29.8
³³ Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
³⁴ Reserves & Losses	-262	-235	-225	-217	-272	-259	-210	-223	-229	-217	-229	-298	-244	-224	-239
³⁵ Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
³⁶ Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
³⁷ Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
³⁸ Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
³⁹ Transmission Losses	-262	-235	-225	-217	-272	-259	-210	-223	-229	-217	-229	-298	-244	-224	-239
⁴⁰ Total Net Resources	8495	7597	7308	7017	8854	8413	6827	7245	7448	7038	7444	9633	7861	7232	7763
⁴¹ Total Surplus/Deficit	888	190	187	142	446	-545	-1,782	-1,059	-261	-108	205	2,267	903	-218	60

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Obligations															
42 Load Following	3561	3565	3227	3016	3494	3934	3941	3697	3325	3387	3387	3393	3546	3824	3529
43 Preference Customers	3135	3139	2854	2786	3323	3738	3760	3525	3120	3009	3009	2946	3079	3294	3214
44 Federal Agencies	116	116	110	122	151	175	170	156	139	123	123	115	118	130	135
45 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	179
46 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Tier 1 Block	346	346	583	511	827	822	893	810	802	405	405	136	9.29	314	538
48 Tier 1 Block	346	346	583	511	827	822	893	810	802	405	405	136	9.29	314	538
49 Slice	3091	2885	2799	2687	3386	3544	3220	3083	3005	2788	2714	3452	3097	2899	3077
50 Slice Block	1388	1388	1338	1338	1552	1768	1758	1563	1498	1398	1398	1349	1326	1381	1472
51 Slice Output from T1 System	1703	1497	1461	1349	1834	1777	1462	1520	1507	1390	1316	2103	1771	1518	1605
52 Direct Service Industries	87.5	87.5	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
53 Direct Service Industry	87.5	87.5	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
54 Contract Deliveries	559	563	468	468	473	471	471	470	466	468	468	469	469	494	479
55 Exports	544	548	454	454	454	454	454	454	454	454	454	454	454	478	464
56 Intra-Regional Transfers (Out)	14.8	14.8	13.7	13.9	18.6	16.9	16.6	16.1	11.7	14.2	14.2	14.5	14.4	15.8	15.1
57 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Total Firm Obligations	7644	7446	7165	6770	8268	8860	8612	8148	7686	7136	7063	7537	7209	7618	7710
Net Resources															
59 Hydro Resources	7235	6294	6019	5434	7559	7316	5873	6133	6120	5738	5412	9108	7597	6510	6669
60 Regulated Hydro - Net	6871	5933	5677	5124	7300	7141	5757	6002	5886	5300	4966	8386	6886	6101	6318
61 Independent Hydro - Net	362	358	340	307	257	172	113	128	230	435	442	719	708	407	349
62 Small Hydro - Net	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.04	3.10	3.09	3.09	2.83	2.72	2.63	2.88
63 Other Resources	1140	1159	1155	1144	1164	1148	1126	1143	1149	1188	1174	1179	1178	1177	1158
64 Cogeneration Resources	0	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	0
66 Large Thermal Resources	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
67 Renewable Resources	39.6	59.4	55.2	44.4	63.6	48.5	25.9	42.9	49.3	88.2	74.2	79.4	78.5	76.7	57.9
68 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 Contract Purchases	384	382	371	285	291	285	284	284	282	264	263	270	273	266	295

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
⁷⁰ Imports	65.4	65.6	64.3	116	115	114	115	115	115	65.4	65.4	64.4	65.4	65.0	90.0
⁷¹ Intra-Regional Transfers (In)	148	148	146	5.11	3.80	3.24	2.50	2.40	4.58	34.1	34.1	31.7	35.4	33.3	37.6
⁷² Non-Federal CER	138	139	133	139	138	134	139	137	134	138	138	134	138	139	137
⁷³ Slice Transmission Loss Return	32.4	28.5	27.8	25.7	34.9	33.8	27.8	28.9	28.7	26.4	25.0	40.0	33.7	28.9	30.5
⁷⁴ Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
⁷⁵ Reserves & Losses	-263	-235	-225	-206	-269	-261	-217	-225	-225	-215	-205	-317	-272	-239	-243
⁷⁶ Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
⁷⁷ Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
⁷⁸ Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
⁷⁹ Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
⁸⁰ Transmission Losses	-263	-235	-225	-206	-269	-261	-217	-225	-225	-215	-205	-317	-272	-239	-243
⁸¹ Total Net Resources	8497	7600	7320	6658	8745	8489	7066	7334	7326	6975	6644	10241	8776	7714	7879
⁸² Total Surplus/Deficit	852	154	155	-112	478	-371	-1,546	-814	-360	-161	-419	2,703	1,568	96	169

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Obligations															
83 Load Following	3650	3619	3299	3091	3570	4011	3966	3764	3333	3392	3392	3417	3571	3850	3575
84 Preference Customers	3217	3180	2915	2860	3398	3814	3784	3589	3127	3014	3014	2968	3103	3320	3256
85 Federal Agencies	127	126	120	123	152	176	171	161	140	124	124	116	119	131	138
86 USBR	306	313	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
87 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Tier 1 Block	366	364	608	511	827	822	893	839	802	405	405	136	9.54	315	543
89 Tier 1 Block	366	364	608	511	827	822	893	839	802	405	405	136	9.54	315	543
90 Slice	2948	2803	2649	2722	3425	3592	3265	3181	3045	2823	2750	3325	2891	2933	3058
91 Slice Block	1352	1352	1301	1375	1594	1816	1806	1663	1539	1436	1436	1385	1361	1418	1503
92 Slice Output from T1 System	1596	1450	1347	1347	1831	1776	1460	1519	1507	1387	1314	1940	1530	1516	1554
93 Direct Service Industries	87.7	87.4	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
94 Direct Service Industry	87.7	87.4	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
95 Contract Deliveries	599	570	468	468	467	468	468	468	464	464	464	464	464	488	478
96 Exports	584	555	454	454	454	454	454	454	454	454	454	454	454	478	466
97 Intra-Regional Transfers (Out)	14.8	14.8	13.7	13.8	13.2	13.4	13.2	13.4	9.44	9.44	9.44	9.44	9.44	9.44	11.9
98 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 Total Firm Obligations	7651	7443	7111	6879	8378	8981	8680	8340	7732	7173	7100	7429	7022	7673	7741
Net Resources															
100 Hydro Resources	6903	6206	5594	5434	7559	7316	5873	6133	6120	5738	5412	9115	7597	6618	6628
101 Regulated Hydro - Net	6538	5845	5252	5124	7300	7141	5757	6002	5886	5300	4966	8393	6887	6209	6276
102 Independent Hydro - Net	362	358	340	307	257	172	113	128	230	435	442	719	708	407	349
103 Small Hydro - Net	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.05	3.10	3.09	3.09	2.83	2.72	2.63	2.88
104 Other Resources	1140	1159	1155	1141	1159	1145	1124	1140	1146	1182	1169	429	73.1	1065	992
105 Cogeneration Resources	0	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	0
107 Large Thermal Resources	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	355	0	994	937
108 Renewable Resources	39.6	59.4	55.2	41.3	59.2	45.2	24.2	40.0	45.9	82.2	69.1	74.0	73.1	71.5	54.6
109 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Contract Purchases	267	253	261	280	282	288	276	281	283	259	257	262	262	169	263

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

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
111 Imports	65.4	64.5	64.9	116	114	115	114	115	116	65.4	65.4	64.4	65.4	1.00	84.5
112 Intra-Regional Transfers (In)	33.0	31.2	32.3	0	0	0	0	0	0	28.9	28.9	26.9	28.9	0	12.4
113 Non-Federal CER	138	129	138	139	133	139	134	137	139	138	138	134	138	139	137
114 Slice Transmission Loss Return	30.4	27.6	25.6	25.6	34.8	33.8	27.8	28.9	28.7	26.4	25.0	36.9	29.1	28.8	29.6
115 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116 Reserves & Losses	-249	-228	-210	-206	-268	-261	-217	-225	-225	-214	-204	-294	-239	-236	-236
117 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 Transmission Losses	-249	-228	-210	-206	-268	-261	-217	-225	-225	-214	-204	-294	-239	-236	-236
122 Total Net Resources	8060	7389	6801	6650	8732	8488	7056	7328	7324	6965	6634	9511	7693	7616	7647
123 Total Surplus/Deficit	409	-54	-310	-230	354	-493	-1,624	-1,012	-408	-208	-466	2,082	671	-57	-94

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

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Obligations															
124 Load Following	3634	3683	3323	3109	3591	4034	3984	3781	3364	3423	3423	3429	3584	3864	3595
125 Preference Customers	3193	3250	2939	2878	3419	3837	3802	3605	3158	3045	3045	2981	3116	3333	3277
126 Federal Agencies	127	128	121	123	152	176	172	161	140	124	124	116	119	131	138
127 USBR	315	305	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
128 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129 Tier 1 Block	364	367	608	510	827	821	892	838	801	405	405	136	9.27	314	542
130 Tier 1 Block	364	367	608	510	827	821	892	838	801	405	405	136	9.27	314	542
131 Slice	3009	2833	2682	2690	3391	3552	3225	3144	3011	2791	2717	3454	3097	2922	3070
132 Slice Block	1388	1388	1336	1343	1558	1775	1764	1625	1503	1403	1403	1354	1330	1385	1480
133 Slice Output from T1 System	1621	1445	1346	1347	1833	1777	1461	1520	1508	1388	1314	2100	1767	1536	1590
134 Direct Service Industries	87.3	87.7	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
135 Direct Service Industry	87.3	87.7	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
136 Contract Deliveries	557	598	464	464	468	468	468	468	464	464	464	464	464	488	477
137 Exports	548	589	454	454	454	454	454	454	454	454	454	454	454	478	466
138 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	13.3	13.4	13.2	13.4	9.44	9.44	9.44	9.44	9.44	9.44	10.7
139 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Total Firm Obligations	7652	7568	7164	6861	8364	8962	8656	8319	7727	7170	7096	7570	7242	7674	7772
Net Resources															
141 Hydro Resources	7006	6207	5594	5434	7559	7316	5873	6133	6120	5738	5412	9113	7597	6619	6632
142 Regulated Hydro - Net	6641	5846	5252	5124	7300	7141	5757	6002	5886	5300	4966	8391	6886	6209	6280
143 Independent Hydro - Net	362	358	340	307	257	172	113	128	230	435	442	719	708	407	349
144 Small Hydro - Net	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.05	3.10	3.09	3.09	2.83	2.72	2.63	2.88
145 Other Resources	1137	1155	1151	1141	1159	1145	1124	1140	1146	1182	1165	1161	1161	1159	1151
146 Cogeneration Resources	0	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	0
148 Large Thermal Resources	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
149 Renewable Resources	36.9	55.4	51.4	41.3	59.2	45.2	24.2	40.0	45.9	82.2	64.5	61.3	60.6	59.2	50.6
150 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151 Contract Purchases	159	168	165	160	174	174	162	166	169	165	164	175	173	164	167

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	1.00
153 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Non-Federal CER	127	139	138	134	138	139	134	137	139	138	138	134	138	134	136
155 Slice Transmission Loss Return	30.8	27.5	25.6	25.6	34.9	33.8	27.8	28.9	28.7	26.4	25.0	39.9	33.6	29.2	30.2
156 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Reserves & Losses	-249	-226	-207	-202	-265	-258	-214	-222	-222	-212	-202	-314	-268	-238	-238
158 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162 Transmission Losses	-249	-226	-207	-202	-265	-258	-214	-222	-222	-212	-202	-314	-268	-238	-238
163 Total Net Resources	8053	7305	6704	6534	8627	8377	6946	7218	7212	6874	6539	10135	8662	7703	7712
164 Total Surplus/Deficit	401	-264	-460	-328	263	-585	-1,711	-1,101	-515	-296	-557	2,566	1,420	29	-60

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Obligations															
165 Load Following	3670	3675	3335	3121	3605	4049	4000	3795	3378	3461	3411	3442	3598	3878	3609
166 Preference Customers	3232	3238	2951	2891	3433	3852	3818	3620	3172	3085	3032	2995	3131	3349	3291
167 Federal Agencies	127	128	121	122	152	176	171	160	139	123	123	115	118	130	138
168 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	253	256	332	349	400	180
169 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Tier 1 Block	365	365	607	511	827	822	893	839	802	407	404	136	9.53	315	543
171 Tier 1 Block	365	365	607	511	827	822	893	839	802	407	404	136	9.53	315	543
172 Slice	2976	2803	2650	2723	3428	3596	3271	3185	3048	2818	2751	3325	2890	2932	3060
173 Slice Block	1356	1356	1305	1380	1601	1824	1813	1669	1545	1441	1441	1390	1366	1422	1509
174 Slice Output from T1 System	1620	1447	1345	1343	1827	1773	1458	1516	1503	1377	1310	1934	1524	1509	1551
175 Direct Service Industries	87.5	87.5	87.4	88.0	87.8	87.7	87.9	87.5	87.6	88.1	87.8	87.4	87.3	87.2	87.6
176 Direct Service Industry	87.5	87.5	87.4	88.0	87.8	87.7	87.9	87.5	87.6	88.1	87.8	87.4	87.3	87.2	87.6
177 Contract Deliveries	576	581	464	464	468	468	468	468	464	482	446	464	464	488	477
178 Exports	567	571	454	454	454	454	454	454	454	472	436	454	454	478	466
179 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	13.3	13.4	13.2	13.4	9.44	9.44	9.44	9.44	9.44	9.44	10.7
180 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 Total Firm Obligations	7674	7512	7144	6907	8415	9022	8719	8375	7778	7257	7100	7454	7048	7699	7776
Net Resources															
182 Hydro Resources	7006	6207	5594	5434	7559	7316	5873	6133	6120	5738	5412	9109	7597	6619	6632
183 Regulated Hydro - Net	6641	5846	5252	5124	7300	7141	5757	6002	5886	5300	4966	8387	6886	6209	6280
184 Independent Hydro - Net	362	358	340	307	257	172	113	128	230	435	442	719	708	407	349
185 Small Hydro - Net	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.05	3.10	3.09	3.09	2.83	2.72	2.63	2.88
186 Other Resources	1131	1146	1143	1125	1136	1128	1115	1124	1128	1150	1142	400	44.7	1037	972
187 Cogeneration Resources	0	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	0
189 Large Thermal Resources	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	355	0	994	937
190 Renewable Resources	30.6	45.9	42.6	25.3	36.2	27.6	14.8	24.4	28.1	50.2	42.3	45.2	44.7	43.7	34.8
191 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Contract Purchases	170	168	165	160	174	173	162	166	169	165	153	177	168	163	167

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

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	1.00
194 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Non-Federal CER	138	139	138	134	138	139	134	137	139	138	127	139	138	134	137
196 Slice Transmission Loss Return	30.8	27.5	25.6	25.5	34.7	33.7	27.7	28.8	28.6	26.2	24.9	36.8	29.0	28.7	29.5
197 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198 Reserves & Losses	-249	-225	-206	-201	-265	-257	-214	-221	-221	-211	-201	-291	-235	-235	-233
199 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Transmission Losses	-249	-225	-206	-201	-265	-257	-214	-221	-221	-211	-201	-291	-235	-235	-233
204 Total Net Resources	8057	7296	6695	6518	8605	8360	6937	7202	7195	6843	6507	9395	7575	7584	7538
205 Total Surplus/Deficit	383	-216	-449	-389	189	-662	-1,782	-1,172	-583	-414	-593	1,941	527	-115	-238

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

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Obligations															
206 Load Following	3684	3690	3349	3137	3622	4067	4017	3767	3393	3450	3450	3456	3612	3893	3621
207 Preference Customers	3247	3254	2965	2906	3450	3869	3835	3594	3187	3073	3073	3008	3145	3363	3304
208 Federal Agencies	127	127	121	122	152	176	172	157	139	123	123	116	118	130	138
209 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	179
210 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Tier 1 Block	365	365	608	511	829	823	894	811	803	406	406	136	9.29	315	542
212 Tier 1 Block	365	365	608	511	829	823	894	811	803	406	406	136	9.29	315	542
213 Slice	3010	2837	2683	2696	3396	3559	3237	3096	3016	2793	2721	3460	3101	2928	3072
214 Slice Block	1393	1393	1341	1353	1569	1787	1777	1580	1513	1412	1412	1363	1339	1394	1485
215 Slice Output from T1 System	1617	1444	1342	1343	1828	1772	1460	1516	1503	1381	1309	2098	1763	1534	1587
216 Direct Service Industries	87.5	87.5	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
217 Direct Service Industry	87.5	87.5	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
218 Contract Deliveries	576	581	464	464	468	468	468	468	464	464	464	464	464	488	477
219 Exports	567	571	454	454	454	454	454	454	454	454	454	454	454	478	466
220 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	13.3	13.2	13.4	13.5	9.44	9.44	9.44	9.44	9.44	9.44	10.7
221 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Total Firm Obligations	7723	7560	7190	6896	8402	9004	8703	8229	7763	7201	7129	7603	7274	7711	7799
Net Resources															
223 Hydro Resources	7006	6207	5594	5434	7559	7316	5873	6133	6120	5738	5412	9113	7597	6619	6631
224 Regulated Hydro - Net	6641	5846	5252	5124	7300	7141	5757	6002	5886	5300	4966	8391	6886	6209	6279
225 Independent Hydro - Net	362	358	340	307	257	172	113	128	230	435	442	719	708	407	349
226 Small Hydro - Net	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.04	3.10	3.09	3.09	2.83	2.72	2.63	2.88
227 Other Resources	1123	1134	1131	1125	1136	1128	1115	1124	1128	1150	1142	1145	1145	1144	1133
228 Cogeneration Resources	0	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	0
230 Large Thermal Resources	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
231 Renewable Resources	22.6	33.8	31.5	25.3	36.2	27.6	14.8	24.4	28.1	50.2	42.3	45.2	44.7	43.7	33.0
232 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233 Contract Purchases	170	168	165	160	174	168	168	167	163	165	164	180	167	169	168

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

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	1.00
²³⁵ Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
²³⁶ Non-Federal CER	138	139	138	134	138	134	139	137	134	138	138	139	133	139	137
²³⁷ Slice Transmission Loss Return	30.8	27.5	25.5	25.6	34.8	33.7	27.8	28.8	28.6	26.3	24.9	39.9	33.5	29.2	30.2
²³⁸ Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
²³⁹ Reserves & Losses	-249	-225	-206	-201	-265	-257	-214	-221	-221	-211	-201	-313	-268	-238	-237
²⁴⁰ Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
²⁴¹ Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
²⁴² Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
²⁴³ Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
²⁴⁴ Transmission Losses	-249	-225	-206	-201	-265	-257	-214	-221	-221	-211	-201	-313	-268	-238	-237
²⁴⁵ Total Net Resources	8049	7284	6684	6518	8605	8355	6942	7203	7190	6843	6517	10125	8641	7693	7694
²⁴⁶ Total Surplus/Deficit	326	-276	-506	-378	202	-649	-1,761	-1,026	-573	-358	-612	2,521	1,368	-18	-105

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Obligations															
247 Load Following	3698	3705	3362	3150	3636	4083	4032	3839	3392	3450	3450	3473	3629	3910	3638
248 Preference Customers	3261	3268	2979	2918	3463	3884	3849	3661	3184	3071	3071	3024	3160	3378	3319
249 Federal Agencies	127	127	121	124	154	178	173	162	141	125	125	117	120	132	139
250 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
251 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
252 Tier 1 Block	366	366	609	510	827	822	892	839	802	405	405	136	9.53	314	543
253 Tier 1 Block	366	366	609	510	827	822	892	839	802	405	405	136	9.53	314	543
254 Slice	2983	2810	2656	2729	3435	3604	3281	3193	3054	2828	2756	3330	2894	2938	3067
255 Slice Block	1365	1365	1314	1386	1608	1832	1821	1677	1552	1448	1448	1397	1371	1428	1516
256 Slice Output from T1 System	1618	1444	1342	1343	1827	1771	1459	1516	1502	1381	1308	1934	1522	1510	1551
257 Direct Service Industries	87.5	87.5	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
258 Direct Service Industry	87.5	87.5	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
259 Contract Deliveries	576	581	464	464	468	468	468	468	464	464	464	464	464	488	477
260 Exports	567	571	454	454	454	454	454	454	454	454	454	454	454	478	466
261 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	13.3	13.2	13.4	13.4	9.44	9.44	9.44	9.44	9.44	9.44	10.7
262 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
263 Total Firm Obligations	7711	7548	7178	6941	8454	9064	8761	8426	7798	7235	7163	7491	7083	7737	7812
Net Resources															
264 Hydro Resources	7006	6207	5594	5434	7559	7316	5873	6133	6120	5738	5412	9109	7597	6619	6632
265 Regulated Hydro - Net	6641	5846	5252	5124	7300	7141	5757	6002	5886	5300	4966	8387	6886	6209	6280
266 Independent Hydro - Net	362	358	340	307	257	172	113	128	230	435	442	719	708	407	349
267 Small Hydro - Net	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.05	3.10	3.09	3.09	2.83	2.72	2.63	2.88
268 Other Resources	1123	1134	1131	1125	1136	1128	1115	1124	1128	1150	1142	400	44.7	1037	970
269 Cogeneration Resources	0	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	0
271 Large Thermal Resources	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	355	0	994	937
272 Renewable Resources	22.6	33.8	31.5	25.3	36.2	27.6	14.8	24.4	28.1	50.2	42.3	45.2	44.7	43.7	33.0
273 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
274 Contract Purchases	170	168	162	163	174	168	168	169	163	165	164	177	163	168	167

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	1.00
276 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
277 Non-Federal CER	138	139	135	136	138	134	139	139	134	138	138	139	133	139	137
278 Slice Transmission Loss Return	30.8	27.5	25.5	25.5	34.7	33.7	27.8	28.8	28.6	26.3	24.9	36.8	29.0	28.7	29.5
279 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
280 Reserves & Losses	-249	-225	-206	-202	-265	-257	-214	-222	-221	-211	-201	-291	-235	-235	-233
281 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
282 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
283 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
284 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
285 Transmission Losses	-249	-225	-206	-202	-265	-257	-214	-222	-221	-211	-201	-291	-235	-235	-233
286 Total Net Resources	8049	7284	6682	6520	8605	8355	6942	7205	7190	6843	6517	9395	7570	7589	7537
287 Total Surplus/Deficit	339	-265	-496	-421	151	-709	-1,819	-1,221	-608	-392	-646	1,904	486	-148	-275

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Obligations															
288 Load Following	3742	3692	3375	3162	3649	4095	4043	3848	3413	3473	3473	3476	3632	3914	3649
289 Preference Customers	3306	3251	2989	2930	3475	3896	3859	3670	3205	3093	3093	3027	3163	3382	3329
290 Federal Agencies	129	128	122	124	154	178	174	163	141	125	125	117	120	132	140
291 USBR	306	313	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
292 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
293 Tier 1 Block	366	364	608	510	827	821	892	838	801	405	405	136	9.26	314	542
294 Tier 1 Block	366	364	608	510	827	821	892	838	801	405	405	136	9.26	314	542
295 Slice	3013	2844	2688	2701	3402	3566	3243	3159	3022	2798	2726	3465	3105	2932	3081
296 Slice Block	1399	1399	1346	1357	1574	1794	1783	1642	1519	1417	1417	1367	1342	1398	1494
297 Slice Output from T1 System	1615	1445	1341	1344	1827	1772	1460	1517	1503	1381	1309	2097	1763	1534	1587
298 Direct Service Industries	87.7	87.4	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
299 Direct Service Industry	87.7	87.4	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
300 Contract Deliveries	594	564	464	464	467	468	468	468	464	464	464	464	464	488	477
301 Exports	584	555	454	454	454	454	454	454	454	454	454	454	454	478	466
302 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	13.2	13.4	13.4	13.4	9.44	9.44	9.44	9.44	9.44	9.44	10.7
303 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
304 Total Firm Obligations	7802	7552	7221	6924	8432	9038	8733	8400	7787	7228	7156	7628	7298	7735	7837
Net Resources															
305 Hydro Resources	7006	6207	5594	5434	7559	7316	5873	6133	6120	5738	5412	9113	7597	6619	6632
306 Regulated Hydro - Net	6641	5846	5252	5124	7300	7141	5757	6002	5886	5300	4966	8391	6886	6209	6280
307 Independent Hydro - Net	362	358	340	307	257	172	113	128	230	435	442	719	708	407	349
308 Small Hydro - Net	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.05	3.10	3.09	3.09	2.83	2.72	2.63	2.88
309 Other Resources	1123	1134	1131	1125	1136	1128	1115	1124	1128	1150	1142	1145	1145	1144	1133
310 Cogeneration Resources	0	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	0
312 Large Thermal Resources	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
313 Renewable Resources	22.6	33.8	31.5	25.3	36.2	27.6	14.8	24.4	28.1	50.2	42.3	45.2	44.7	43.7	33.0
314 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
315 Contract Purchases	172	160	163	163	173	169	168	169	163	165	164	179	168	169	168

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	1.00
317 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
318 Non-Federal CER	141	132	136	136	137	134	139	139	134	138	138	138	133	139	137
319 Slice Transmission Loss Return	30.7	27.5	25.5	25.6	34.8	33.7	27.8	28.8	28.6	26.3	24.9	39.9	33.5	29.2	30.2
320 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
321 Reserves & Losses	-249	-225	-206	-202	-265	-257	-214	-222	-221	-211	-201	-313	-268	-238	-237
322 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
323 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
324 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
325 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
326 Transmission Losses	-249	-225	-206	-202	-265	-257	-214	-222	-221	-211	-201	-313	-268	-238	-237
327 Total Net Resources	8052	7277	6682	6520	8604	8356	6942	7205	7190	6843	6517	10124	8642	7693	7695
328 Total Surplus/Deficit	249	-275	-538	-404	171	-682	-1,791	-1,195	-597	-385	-638	2,496	1,344	-42	-142

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Obligations															
329 Load Following	3745	3696	3377	3164	3653	4100	4048	3853	3416	3476	3476	3480	3636	3919	3653
330 Preference Customers	3310	3255	2992	2932	3479	3900	3863	3675	3207	3096	3096	3030	3167	3387	3333
331 Federal Agencies	129	128	123	125	155	179	174	163	142	126	126	118	121	133	140
332 USBR	306	313	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
333 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
334 Tier 1 Block	366	364	607	511	827	822	893	839	802	405	405	136	9.53	315	543
335 Tier 1 Block	366	364	607	511	827	822	893	839	802	405	405	136	9.53	315	543
336 Slice	2984	2815	2660	2735	3443	3614	3288	3199	3059	2829	2758	3331	2895	2939	3071
337 Slice Block	1369	1369	1318	1393	1616	1842	1831	1686	1560	1455	1455	1404	1378	1435	1523
338 Slice Output from T1 System	1615	1446	1342	1343	1827	1772	1457	1513	1498	1374	1303	1927	1517	1504	1548
339 Direct Service Industries	87.7	87.4	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
340 Direct Service Industry	87.7	87.4	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
341 Contract Deliveries	594	564	464	464	467	468	468	468	464	464	464	464	464	488	477
342 Exports	584	555	454	454	454	454	454	454	454	454	454	454	454	478	466
343 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	13.2	13.4	13.2	13.4	9.44	9.44	9.44	9.44	9.44	9.44	10.7
344 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
345 Total Firm Obligations	7777	7526	7196	6962	8479	9091	8784	8446	7827	7262	7191	7498	7092	7747	7832
Net Resources															
346 Hydro Resources	7006	6207	5594	5434	7559	7316	5873	6133	6120	5738	5412	9109	7597	6619	6632
347 Regulated Hydro - Net	6641	5846	5252	5124	7300	7141	5757	6002	5886	5300	4966	8387	6886	6209	6280
348 Independent Hydro - Net	362	358	340	307	257	172	113	128	230	435	442	719	708	407	349
349 Small Hydro - Net	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.05	3.10	3.09	3.09	2.83	2.72	2.63	2.88
350 Other Resources	1123	1134	1131	1125	1136	1128	1105	1109	1110	1118	1115	371	16.0	1009	957
351 Cogeneration Resources	0	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	0
353 Large Thermal Resources	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	355	0	994	937
354 Renewable Resources	22.6	33.8	31.5	25.3	36.2	27.6	5.28	8.73	10.0	17.9	15.1	16.2	16.0	15.6	19.8
355 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
356 Contract Purchases	172	160	164	160	173	169	167	170	165	165	164	174	165	167	167

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	1.00
358 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
359 Non-Federal CER	141	132	138	134	137	134	138	140	135	138	138	136	135	138	137
360 Slice Transmission Loss Return	30.7	27.5	25.5	25.5	34.7	33.7	27.7	28.8	28.5	26.1	24.8	36.7	28.8	28.6	29.4
361 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
362 Reserves & Losses	-249	-225	-206	-201	-265	-257	-213	-221	-221	-210	-200	-290	-234	-234	-232
363 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
364 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
365 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
366 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
367 Transmission Losses	-249	-225	-206	-201	-265	-257	-213	-221	-221	-210	-200	-290	-234	-234	-232
368 Total Net Resources	8052	7277	6684	6518	8604	8356	6932	7191	7174	6811	6491	9364	7544	7561	7524
369 Total Surplus/Deficit	275	-250	-512	-444	125	-736	-1,852	-1,256	-653	-450	-700	1,866	452	-186	-308

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Obligations															
370 Load Following	3689	3757	3380	3166	3656	4104	4056	3815	3421	3510	3451	3483	3640	3922	3654
371 Preference Customers	3245	3322	2994	2934	3481	3903	3871	3639	3212	3131	3069	3033	3170	3390	3334
372 Federal Agencies	129	130	123	125	155	180	175	161	142	126	126	118	121	133	141
373 USBR	315	305	263	108	19.8	21.3	10.4	14.9	66.6	253	256	332	349	400	179
374 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
375 Tier 1 Block	364	367	608	511	829	823	894	811	803	407	404	136	9.29	315	542
376 Tier 1 Block	364	367	608	511	829	823	894	811	803	407	404	136	9.29	315	542
377 Slice	3021	2842	2690	2706	3408	3575	3254	3110	3029	2799	2733	3468	3108	2935	3082
378 Slice Block	1405	1405	1353	1366	1585	1807	1796	1597	1530	1427	1427	1377	1351	1407	1500
379 Slice Output from T1 System	1615	1437	1337	1340	1823	1768	1458	1513	1499	1372	1306	2091	1757	1528	1582
380 Direct Service Industries	87.3	87.7	87.4	88.0	87.8	87.7	87.9	87.5	87.6	88.1	87.8	87.4	87.3	87.2	87.6
381 Direct Service Industry	87.3	87.7	87.4	88.0	87.8	87.7	87.9	87.5	87.6	88.1	87.8	87.4	87.3	87.2	87.6
382 Contract Deliveries	557	598	464	464	468	468	468	468	464	482	446	464	464	488	477
383 Exports	548	589	454	454	454	454	454	454	454	472	436	454	454	478	466
384 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	13.3	13.4	13.2	13.5	9.44	9.44	9.44	9.44	9.44	9.44	10.7
385 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
386 Total Firm Obligations	7718	7651	7229	6935	8448	9058	8760	8291	7805	7286	7122	7638	7308	7747	7843
Net Resources															
387 Hydro Resources	7006	6207	5594	5434	7559	7316	5873	6133	6120	5738	5412	9113	7597	6619	6631
388 Regulated Hydro - Net	6641	5846	5252	5124	7300	7141	5757	6002	5886	5300	4966	8391	6886	6209	6279
389 Independent Hydro - Net	362	358	340	307	257	172	113	128	230	435	442	719	708	407	349
390 Small Hydro - Net	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.04	3.10	3.09	3.09	2.83	2.72	2.63	2.88
391 Other Resources	1108	1112	1111	1101	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1102
392 Cogeneration Resources	0	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	0
394 Large Thermal Resources	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
395 Renewable Resources	8.06	12.1	11.2	1.45	0	0	0	0	0	0	0	0	0	0	1.90
396 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
397 Contract Purchases	162	170	164	159	174	169	167	166	165	170	158	178	170	167	167

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	1.00
399 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400 Non-Federal CER	130	142	138	133	138	134	138	136	135	143	132	137	135	137	136
401 Slice Transmission Loss Return	30.7	27.3	25.4	25.5	34.7	33.6	27.7	28.8	28.5	26.1	24.8	39.8	33.4	29.1	30.1
402 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
403 Reserves & Losses	-248	-225	-205	-201	-263	-256	-213	-221	-220	-209	-199	-312	-267	-237	-236
404 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
405 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
406 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
407 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
408 Transmission Losses	-248	-225	-205	-201	-263	-256	-213	-221	-220	-209	-199	-312	-267	-237	-236
409 Total Net Resources	8027	7265	6664	6494	8569	8329	6927	7178	7164	6799	6470	10079	8600	7649	7663
410 Total Surplus/Deficit	310	-386	-564	-441	121	-729	-1,833	-1,113	-641	-488	-652	2,441	1,292	-98	-180

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Exhibit 20
Regional Report Surplus Deficit

Monthly Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

Loads and Resources - Pacific Northwest Region

Operating Year: 2019 Water Year: 1937

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Regional Loads															
1 Retail Loads	22760	22781	21098	20517	23195	25453	25325	24318	22112	21346	21346	21030	21960	23429	22709
2 Federal Agency	114	114	107	123	148	172	168	156	136	124	124	117	119	131	134
3 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
4 Cooperative	2090	2091	1855	1754	2041	2305	2277	2181	1926	1912	1912	1963	2109	2269	2057
5 Municipality	2379	2381	2304	2449	2829	3112	3117	2982	2731	2552	2552	2358	2341	2393	2627
6 Public Utility District	4591	4594	4367	4399	5070	5622	5595	5352	4851	4617	4617	4335	4409	4585	4814
7 Investor-Owned Utility	12861	12876	11787	11268	12671	13805	13743	13216	11986	11471	11471	11511	12218	13236	12481
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	4.00
9 Direct-Service Industry	411	411	411	412	412	412	412	411	411	412	412	411	411	411	411
10 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Exports	1238	1437	1275	982	1161	1009	786	951	994	1379	1249	1294	1345	1456	1159
12 Canada	553	558	464	464	464	464	464	464	464	464	464	464	464	480	473
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	2.46
14 Inland Southwest	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
15 Pacific Southwest	668	859	792	501	681	532	315	476	518	893	766	810	862	957	670
16 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Total Regional Loads	23997	24218	22373	21500	24356	26461	26112	25269	23106	22725	22595	22324	23305	24884	23868
Regional Resources															
18 Hydro Resources	12214	10821	10017	10038	12925	12466	10757	10268	10829	10965	11252	15762	15447	11668	11907
19 Regulated Hydro - Net	10881	9495	8790	8963	11972	11471	9924	9363	9704	9362	9626	13740	13388	10100	10596
20 Independent Hydro - Net	1002	997	978	909	819	868	713	776	962	1322	1337	1608	1628	1143	1062
21 Small Hydro - Net	331	329	248	167	135	127	120	129	163	282	289	414	431	425	248
22 Other Resources	16386	17067	16968	16727	17492	17130	16404	16891	16091	16769	14963	12456	14787	17471	16246
23 Cogeneration Resources	2466	2466	2432	2468	2545	2575	2533	2555	1889	2090	1909	2161	2396	2459	2372
24 Combustion Turbine Resources	6030	6118	6182	6242	6372	6450	6456	6393	6339	6219	5210	3451	4444	6113	5850
25 Large Thermal Resources	6426	6426	6426	6426	6426	6426	6426	6426	6140	5562	5365	4206	5341	6319	6036
26 Renewable Resources	1434	2028	1893	1553	2113	1643	952	1481	1684	2863	2443	2598	2569	2543	1952
27 Small Thermal & Miscellaneous	30.4	30.5	36.1	38.3	36.1	37.5	37.7	36.8	38.1	36.0	35.8	40.7	36.6	35.3	36.6
28 Imports	616	616	558	581	771	870	707	706	608	506	506	552	689	738	658
29 Canada	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
30 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Inland Southwest	531	531	479	445	438	472	444	458	432	411	411	459	586	647	484

Loads and Resources - Pacific Northwest Region

Operating Year: 2019 Water Year: 1937

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

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
³² Pacific Southwest	64.4	64.6	63.3	115	295	348	201	178	114	64.4	64.4	64.0	63.9	64.0	136
³³ Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
³⁴ Reserves & Losses	-868	-847	-818	-812	-926	-905	-828	-828	-818	-839	-794	-854	-918	-887	-856
³⁵ Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
³⁶ Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
³⁷ Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
³⁸ Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
³⁹ Transmission Losses	-868	-847	-818	-812	-926	-905	-828	-828	-818	-839	-794	-854	-918	-887	-856
⁴⁰ Total Regional Resources	28349	27658	26725	26535	30262	29562	27041	27038	26711	27401	25928	27915	30004	28989	27956
⁴¹ Total Surplus/Deficit	4352	3440	4351	5035	5906	3100	929	1769	3605	4676	3333	5591	6699	4105	4088

Loads and Resources - Pacific Northwest Region

Operating Year: 2020 Water Year: 1937

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Regional Loads															
42 Retail Loads	22990	23012	21314	20772	23462	25731	25640	24332	22417	21653	21653	21356	22289	23766	22979
43 Federal Agency	127	128	121	134	159	183	178	164	146	134	134	127	130	141	145
44 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	179
45 Cooperative	2175	2176	1941	1840	2130	2395	2364	2239	2012	2002	2002	2053	2201	2361	2143
46 Municipality	2400	2402	2324	2471	2854	3140	3178	3016	2791	2612	2612	2417	2398	2452	2671
47 Public Utility District	4587	4590	4357	4447	5123	5679	5656	5338	4907	4673	4673	4399	4465	4642	4856
48 Investor-Owned Utility	12976	12991	11892	11357	12761	13898	13837	13145	12078	11562	11562	11612	12331	13355	12569
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	4.00
50 Direct-Service Industry	411	411	411	412	412	412	412	411	411	412	412	411	411	411	411
51 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Exports	1182	1382	1230	944	1132	984	763	929	984	1369	1239	1284	1335	1454	1136
53 Canada	544	548	454	454	454	454	454	454	454	454	454	454	454	478	464
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	1.00
55 Inland Southwest	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
56 Pacific Southwest	628	819	761	478	662	518	301	464	517	893	766	810	862	957	657
57 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Total Regional Loads	24172	24393	22544	21716	24594	26716	26402	25261	23401	23022	22892	22640	23624	25220	24115
Regional Resources															
59 Hydro Resources	12213	10819	10009	9797	12809	12736	11271	10685	10807	10969	10199	15764	15123	12599	11979
60 Regulated Hydro - Net	10880	9495	8786	8723	11856	11741	10439	9784	9685	9359	8570	13740	13047	11029	10668
61 Independent Hydro - Net	1002	997	978	909	819	868	713	776	962	1322	1337	1608	1628	1143	1061
62 Small Hydro - Net	331	327	244	165	134	127	119	125	159	288	291	416	447	427	249
63 Other Resources	16387	17068	17006	16722	17455	17131	16407	16893	16127	17091	14912	12785	15650	17547	16368
64 Cogeneration Resources	2467	2467	2470	2461	2508	2576	2536	2555	1772	2460	1906	2150	2394	2427	2374
65 Combustion Turbine Resources	6030	6118	6182	6242	6372	6450	6456	6393	6339	6219	5210	3487	4414	6113	5852
66 Large Thermal Resources	6426	6426	6426	6426	6426	6426	6426	6426	6293	5513	5316	4497	6231	6426	6152
67 Renewable Resources	1434	2028	1893	1554	2113	1643	952	1482	1685	2864	2444	2610	2574	2544	1953
68 Small Thermal & Miscellaneous	30.4	30.5	36.1	38.3	36.1	37.5	37.7	36.8	38.1	36.0	35.8	40.7	36.6	35.3	36.6
69 Imports	622	622	561	584	773	872	710	709	611	508	508	554	696	745	662
70 Canada	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
71 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Inland Southwest	536	536	482	448	440	474	446	461	434	414	414	462	592	654	487

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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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
73 Pacific Southwest	64.4	64.6	63.3	115	295	348	201	178	114	64.4	64.4	63.4	64.4	64.0	136
74 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Reserves & Losses	-868	-847	-819	-805	-922	-913	-843	-840	-818	-848	-761	-864	-935	-917	-862
76 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 Transmission Losses	-868	-847	-819	-805	-922	-913	-843	-840	-818	-848	-761	-864	-935	-917	-862
81 Total Regional Resources	28354	27662	26757	26298	30115	29827	27545	27448	26727	27720	24858	28239	30534	29972	28147
82 Total Surplus/Deficit	4182	3269	4213	4582	5521	3111	1142	2187	3326	4698	1966	5599	6910	4752	4032

Loads and Resources - Pacific Northwest Region

Operating Year: 2021 Water Year: 1937

2017 White Book Report Date: 6/1/2017

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Regional Loads															
83 Retail Loads	23427	23245	21636	21060	23762	26034	25869	24866	22624	21855	21855	21585	22531	24017	23260
84 Federal Agency	138	138	132	134	160	184	179	168	147	135	135	128	131	142	148
85 USBR	306	313	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
86 Cooperative	2275	2258	2032	1929	2220	2484	2452	2356	2099	2090	2090	2141	2291	2451	2234
87 Municipality	2469	2447	2381	2526	2911	3198	3185	3051	2797	2617	2617	2422	2403	2457	2699
88 Public Utility District	4660	4633	4413	4502	5184	5739	5704	5458	4938	4700	4700	4443	4510	4688	4908
89 Investor-Owned Utility	13162	13041	12000	11445	12852	13993	13923	13402	12160	11643	11643	11704	12433	13464	12676
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	4.00
91 Direct-Service Industry	412	411	411	412	412	412	412	411	411	412	412	411	411	411	411
92 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Exports	1222	1389	1230	944	1132	984	763	929	984	1369	1239	1284	1335	1454	1138
94 Canada	584	555	454	454	454	454	454	454	454	454	454	454	454	478	466
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	1.00
96 Inland Southwest	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
97 Pacific Southwest	628	819	761	478	662	518	301	464	517	893	766	810	862	957	658
98 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 Total Regional Loads	24649	24634	22866	22004	24894	27019	26632	25795	23608	23224	23094	22870	23866	25472	24399
Regional Resources															
100 Hydro Resources	11783	10690	9484	9799	12810	12736	11226	10633	10729	10887	10117	15742	15102	12706	11900
101 Regulated Hydro - Net	10450	9364	8258	8723	11856	11741	10439	9784	9685	9359	8570	13747	13048	11137	10614
102 Independent Hydro - Net	1002	997	978	909	819	868	668	724	884	1240	1255	1580	1608	1143	1037
103 Small Hydro - Net	331	329	248	167	135	127	119	125	159	288	291	416	447	427	250
104 Other Resources	16469	17069	17007	16719	17489	16502	15288	15775	14878	16760	14588	12448	13459	16352	15695
105 Cogeneration Resources	2467	2467	2470	2461	2546	2576	2534	2556	1770	2454	1906	2170	2397	2460	2381
106 Combustion Turbine Resources	6111	6118	6182	6242	6372	6450	6456	6393	6339	6219	5210	3465	4444	6113	5855
107 Large Thermal Resources	6426	6426	6426	6426	6426	5800	5310	5310	5049	5194	4997	4167	4017	5204	5473
108 Renewable Resources	1435	2029	1894	1551	2109	1639	950	1479	1682	2858	2439	2605	2564	2539	1950
109 Small Thermal & Miscellaneous	30.4	30.5	36.1	38.3	36.1	37.5	37.7	36.8	38.1	36.0	35.8	40.7	36.6	35.3	36.6
110 Imports	627	626	565	587	775	875	712	711	614	511	511	557	701	688	660
111 Canada	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
112 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Inland Southwest	542	542	485	451	442	477	449	463	437	417	417	465	598	661	491

Loads and Resources - Pacific Northwest Region

Operating Year: 2021 Water Year: 1937

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

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
114 Pacific Southwest	64.4	63.5	63.9	115	294	349	201	178	115	64.4	64.4	63.4	64.4	0	131
115 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116 Reserves & Losses	-858	-843	-804	-805	-923	-894	-809	-805	-779	-836	-749	-854	-869	-883	-839
117 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 Transmission Losses	-858	-843	-804	-805	-923	-894	-809	-805	-779	-836	-749	-854	-869	-883	-839
122 Total Regional Resources	28022	27543	26252	26300	30151	29219	26416	26314	25442	27321	24467	27893	28394	28863	27416
123 Total Surplus/Deficit	3373	2909	3387	4296	5256	2200	-216	519	1834	4097	1372	5024	4528	3391	3017

Loads and Resources - Pacific Northwest Region
Operating Year: 2022 Water Year: 1937
2017 White Book Report Date: 6/1/2017

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Regional Loads															
124 Retail Loads	23451	23704	21874	21276	23985	26265	26100	25092	22856	22086	22086	21806	22765	24261	23492
125 Federal Agency	138	140	133	134	160	184	179	169	148	135	135	128	131	142	148
126 USBR	315	305	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
127 Cooperative	2344	2367	2122	2017	2310	2574	2541	2444	2187	2176	2176	2226	2378	2537	2322
128 Municipality	2447	2478	2386	2531	2917	3204	3192	3058	2803	2623	2623	2428	2408	2463	2705
129 Public Utility District	4673	4711	4458	4546	5231	5791	5754	5503	4994	4758	4758	4484	4551	4731	4956
130 Investor-Owned Utility	13119	13288	12097	11523	12932	14076	14007	13489	12242	11724	11724	11794	12533	13572	12765
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	4.00
132 Direct-Service Industry	411	412	411	412	412	412	412	411	411	412	412	411	411	411	411
133 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134 Exports	948	1185	1009	902	1084	934	711	879	943	1327	1197	1248	1239	1245	1044
135 Canada	548	589	454	454	454	454	454	454	454	454	454	454	454	478	466
136 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
137 Inland Southwest	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
138 Pacific Southwest	390	581	541	436	613	468	250	414	476	851	724	774	765	748	563
139 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Total Regional Loads	24399	24889	22883	22177	25069	27200	26811	25972	23798	23412	23282	23054	24004	25506	24536
Regional Resources															
141 Hydro Resources	11886	10692	9475	9766	12770	12691	11226	10633	10729	10887	10117	15740	15102	12707	11894
142 Regulated Hydro - Net	10553	9366	8258	8723	11856	11741	10439	9784	9685	9359	8570	13745	13047	11137	10618
143 Independent Hydro - Net	1002	997	969	876	779	823	668	724	884	1240	1255	1580	1608	1143	1026
144 Small Hydro - Net	331	329	248	167	135	127	119	125	159	288	291	416	447	427	250
145 Other Resources	15350	15949	15850	15610	16372	16012	15173	15660	15063	14969	13164	12939	14652	16062	15257
146 Cogeneration Resources	2466	2466	2432	2468	2545	2575	2533	2555	1889	2087	1906	2157	2396	2459	2371
147 Combustion Turbine Resources	6111	6118	6182	6242	6372	6450	6456	6393	6339	6219	5210	3451	4444	6113	5853
148 Large Thermal Resources	5310	5310	5310	5310	5310	5310	5196	5196	5115	3770	3574	4698	5211	4915	5047
149 Renewable Resources	1433	2025	1890	1551	2109	1639	950	1479	1682	2858	2439	2593	2564	2539	1949
150 Small Thermal & Miscellaneous	30.4	30.5	36.1	38.3	36.1	37.5	37.7	36.8	38.1	36.0	35.8	40.7	36.6	35.3	36.6
151 Imports	569	569	504	476	664	764	601	600	502	449	449	497	643	694	580
152 Canada	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
153 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Inland Southwest	548	548	488	454	445	480	451	466	440	419	419	468	605	667	494

Loads and Resources - Pacific Northwest Region
Operating Year: 2022 Water Year: 1937

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

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
155 Pacific Southwest	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
156 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Reserves & Losses	-826	-808	-767	-768	-885	-875	-802	-799	-781	-781	-705	-867	-903	-875	-824
158 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162 Transmission Losses	-826	-808	-767	-768	-885	-875	-802	-799	-781	-781	-705	-867	-903	-875	-824
163 Total Regional Resources	26979	26401	25062	25083	28921	28592	26197	26094	25514	25524	23026	28309	29495	28588	26908
164 Total Surplus/Deficit	2580	1512	2179	2906	3852	1392	-614	123	1715	2112	-257	5255	5491	3082	2372

Loads and Resources - Pacific Northwest Region

Operating Year: 2023 Water Year: 1937

2017 White Book Report Date: 6/1/2017

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Regional Loads															
165 Retail Loads	23812	23834	22104	21484	24202	26487	26328	25322	23072	22393	22211	22030	22999	24505	23717
166 Federal Agency	139	139	133	134	159	183	179	168	147	135	134	127	130	142	148
167 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	253	256	332	349	400	180
168 Cooperative	2441	2443	2208	2101	2396	2660	2627	2529	2272	2271	2253	2311	2464	2624	2408
169 Municipality	2468	2470	2391	2537	2924	3211	3200	3065	2810	2642	2615	2434	2414	2469	2711
170 Public Utility District	4734	4737	4499	4588	5276	5839	5806	5557	5041	4819	4787	4528	4595	4777	5001
171 Investor-Owned Utility	13305	13320	12195	11601	13011	14156	14090	13573	12321	11857	11750	11883	12631	13679	12854
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	4.00
173 Direct-Service Industry	411	411	411	412	412	412	412	411	411	412	411	411	411	411	411
174 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175 Exports	967	1167	1009	902	1084	899	692	848	906	1280	1124	1190	1181	1189	1015
176 Canada	567	571	454	454	454	454	454	454	454	472	436	454	454	478	466
177 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
178 Inland Southwest	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
179 Pacific Southwest	390	581	541	436	613	432	231	382	440	786	670	716	708	692	534
180 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 Total Regional Loads	24779	25001	23113	22386	25285	27385	27020	26170	23979	23673	23335	23220	24180	25694	24732
Regional Resources															
182 Hydro Resources	11886	10692	9475	9766	12770	12691	11226	10633	10729	10887	10117	15737	15102	12707	11894
183 Regulated Hydro - Net	10553	9366	8258	8723	11856	11741	10439	9784	9685	9359	8570	13741	13047	11137	10618
184 Independent Hydro - Net	1002	997	969	876	779	823	668	724	884	1240	1255	1580	1608	1143	1026
185 Small Hydro - Net	331	329	248	167	135	127	119	125	159	288	291	416	447	427	250
186 Other Resources	14956	15554	15441	15156	15887	15564	14842	15327	14408	15539	13413	12002	13235	15873	14786
187 Cogeneration Resources	2467	2467	2470	2461	2508	2576	2536	2555	1772	2463	1909	2153	2394	2427	2374
188 Combustion Turbine Resources	6111	6118	6131	6190	6319	6397	6403	6340	6286	6166	5210	3442	4410	6063	5813
189 Large Thermal Resources	4915	4915	4915	4915	4915	4915	4915	4915	4630	4016	3819	3773	3830	4809	4614
190 Renewable Resources	1433	2025	1890	1551	2109	1639	950	1479	1682	2858	2439	2593	2564	2539	1949
191 Small Thermal & Miscellaneous	30.4	30.5	36.1	38.3	36.1	37.5	37.7	36.8	38.1	36.0	35.8	40.7	36.6	35.3	36.6
192 Imports	575	574	507	479	667	767	603	602	505	452	452	500	649	702	584
193 Canada	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
194 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Inland Southwest	554	554	491	457	447	483	453	468	443	422	422	471	611	674	498

Loads and Resources - Pacific Northwest Region
Operating Year: 2023 Water Year: 1937

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

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
196 Pacific Southwest	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
197 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198 Reserves & Losses	-814	-797	-755	-754	-871	-862	-792	-789	-762	-798	-712	-839	-861	-870	-810
199 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Transmission Losses	-814	-797	-755	-754	-871	-862	-792	-789	-762	-798	-712	-839	-861	-870	-810
204 Total Regional Resources	26602	26024	24668	24646	28453	28160	25878	25774	24881	26080	23269	27399	28126	28412	26454
205 Total Surplus/Deficit	1823	1023	1555	2260	3168	775	-1142	-397	902	2407	-65.8	4180	3946	2718	1721

Loads and Resources - Pacific Northwest Region

Operating Year: 2024 Water Year: 1937

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Regional Loads															
206 Retail Loads	24045	24067	22327	21690	24416	26706	26549	25227	23284	22508	22508	22243	23222	24736	23915
207 Federal Agency	138	138	132	134	160	184	179	165	147	135	135	127	130	142	148
208 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	179
209 Cooperative	2527	2529	2294	2186	2482	2745	2713	2584	2357	2345	2345	2392	2545	2703	2490
210 Municipality	2474	2476	2397	2542	2930	3219	3209	3046	2817	2636	2636	2441	2421	2476	2717
211 Public Utility District	4773	4776	4537	4627	5319	5884	5850	5524	5081	4842	4842	4565	4634	4816	5037
212 Investor-Owned Utility	13408	13424	12289	11677	13089	14237	14171	13477	12400	11880	11880	11970	12728	13784	12928
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	4.00
214 Direct-Service Industry	411	411	411	412	412	412	412	411	411	412	412	411	411	411	411
215 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216 Exports	938	1124	952	856	1018	884	685	835	892	1236	1120	1166	1158	1166	985
217 Canada	567	571	454	454	454	454	454	454	454	454	454	454	454	478	466
218 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
219 Inland Southwest	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
220 Pacific Southwest	361	538	484	390	548	417	223	369	425	760	647	692	684	669	504
221 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Total Regional Loads	24984	25191	23279	22546	25433	27590	27233	26061	24175	23743	23627	23408	24380	25902	24900
Regional Resources															
223 Hydro Resources	11886	10692	9475	9766	12770	12691	11226	10633	10729	10887	10117	15740	15102	12707	11890
224 Regulated Hydro - Net	10553	9366	8258	8723	11856	11741	10439	9784	9685	9359	8570	13745	13047	11137	10616
225 Independent Hydro - Net	1002	997	969	876	779	823	668	724	884	1240	1255	1580	1608	1143	1025
226 Small Hydro - Net	331	329	248	167	135	127	119	125	159	288	291	416	447	427	249
227 Other Resources	14905	15504	15441	15156	15925	15564	14839	15327	14665	16261	14141	12593	14313	16013	15017
228 Cogeneration Resources	2467	2467	2470	2461	2546	2576	2534	2556	1770	2457	1909	2167	2397	2460	2381
229 Combustion Turbine Resources	6061	6067	6131	6190	6319	6397	6403	6340	6286	6166	5210	3478	4380	6063	5811
230 Large Thermal Resources	4915	4915	4915	4915	4915	4915	4915	4915	4888	4744	4547	4302	4930	4915	4840
231 Renewable Resources	1433	2025	1890	1551	2109	1639	950	1479	1682	2858	2439	2605	2569	2539	1949
232 Small Thermal & Miscellaneous	30.4	30.5	36.1	38.3	36.1	37.5	37.7	36.8	38.1	36.0	35.8	40.7	36.6	35.3	36.6
233 Imports	580	580	510	482	669	770	605	605	508	455	455	503	656	708	588
234 Canada	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
235 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
236 Inland Southwest	560	559	494	460	449	485	456	471	445	425	425	474	617	681	502

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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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
237 Pacific Southwest	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
238 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
239 Reserves & Losses	-813	-795	-755	-754	-872	-862	-792	-789	-769	-820	-734	-856	-893	-874	-817
240 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
241 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
242 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
243 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
244 Transmission Losses	-813	-795	-755	-754	-872	-862	-792	-789	-769	-820	-734	-856	-893	-874	-817
245 Total Regional Resources	26559	25981	24671	24649	28492	28163	25878	25777	25132	26783	23979	27980	29178	28554	26679
246 Total Surplus/Deficit	1575	789	1393	2103	3059	573	-1355	-285	957	3040	351	4572	4798	2652	1779

Loads and Resources - Pacific Northwest Region

Operating Year: 2025 Water Year: 1937

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Regional Loads															
247 Retail Loads	24271	24293	22539	21883	24603	26900	26730	25724	23431	22642	22642	22406	23384	24908	24115
248 Federal Agency	138	139	132	135	161	186	181	170	149	136	136	129	132	143	149
249 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
250 Cooperative	2604	2606	2370	2259	2543	2809	2772	2678	2406	2386	2386	2436	2576	2736	2548
251 Municipality	2481	2483	2404	2549	2939	3228	3220	3084	2827	2645	2645	2449	2429	2485	2727
252 Public Utility District	4810	4813	4573	4664	5359	5927	5890	5635	5102	4859	4859	4599	4668	4850	5076
253 Investor-Owned Utility	13512	13528	12382	11752	13165	14314	14241	13726	12465	11945	11945	12046	12816	13879	13020
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	4.00
255 Direct-Service Industry	411	411	411	412	412	412	412	411	411	412	412	411	411	411	411
256 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
257 Exports	926	1106	952	856	1018	884	685	835	892	1236	1120	1166	1158	1166	984
258 Canada	567	571	454	454	454	454	454	454	454	454	454	454	454	478	466
259 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
260 Inland Southwest	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
261 Pacific Southwest	349	520	484	390	548	417	223	369	425	760	647	692	684	669	503
262 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
263 Total Regional Loads	25197	25399	23491	22739	25621	27784	27414	26558	24322	23878	23762	23572	24542	26074	25100
Regional Resources															
264 Hydro Resources	11886	10692	9475	9766	12770	12691	11226	10633	10729	10887	10117	15737	15102	12707	11894
265 Regulated Hydro - Net	10553	9366	8258	8723	11856	11741	10439	9784	9685	9359	8570	13741	13047	11137	10618
266 Independent Hydro - Net	1002	997	969	876	779	823	668	724	884	1240	1255	1580	1608	1143	1026
267 Small Hydro - Net	331	329	248	167	135	127	119	125	159	288	291	416	447	427	250
268 Other Resources	14904	15503	15404	15162	15924	15563	14839	15326	14565	15226	13473	11805	13237	15905	14771
269 Cogeneration Resources	2466	2466	2432	2468	2545	2575	2533	2555	1889	2087	1906	2160	2396	2459	2372
270 Combustion Turbine Resources	6061	6067	6131	6190	6319	6397	6403	6340	6286	6166	5210	3456	4410	6063	5810
271 Large Thermal Resources	4915	4915	4915	4915	4915	4915	4915	4915	4670	4079	3882	3544	3830	4809	4603
272 Renewable Resources	1433	2025	1890	1551	2109	1639	950	1479	1682	2858	2439	2605	2564	2539	1950
273 Small Thermal & Miscellaneous	30.4	30.5	36.1	38.3	36.1	37.5	37.7	36.8	38.1	36.0	35.8	40.7	36.6	35.3	36.6
274 Imports	586	586	514	484	671	773	608	608	511	458	458	506	663	715	591
275 Canada	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
276 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
277 Inland Southwest	565	565	498	462	452	488	458	473	448	428	428	477	624	688	506

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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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
278 Pacific Southwest	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
279 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
280 Reserves & Losses	-813	-795	-754	-755	-872	-862	-792	-789	-766	-789	-714	-833	-861	-871	-809
281 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
282 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
283 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
284 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
285 Transmission Losses	-813	-795	-754	-755	-872	-862	-792	-789	-766	-789	-714	-833	-861	-871	-809
286 Total Regional Resources	26563	25985	24638	24658	28494	28165	25880	25778	25039	25781	23333	27215	28140	28457	26446
287 Total Surplus/Deficit	1366	586	1147	1918	2873	381	-1534	-781	717	1903	-429	3643	3599	2382	1347

Loads and Resources - Pacific Northwest Region

Operating Year: 2026 Water Year: 1937

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Regional Loads															
288 Retail Loads	24541	24352	22677	22007	24730	27029	26854	25844	23555	22765	22765	22520	23508	25042	24244
289 Federal Agency	141	140	134	136	162	186	181	170	149	137	137	129	132	144	150
290 USBR	306	313	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
291 Cooperative	2643	2625	2385	2275	2558	2823	2785	2689	2415	2396	2396	2445	2585	2746	2561
292 Municipality	2502	2480	2412	2558	2949	3239	3231	3095	2836	2654	2654	2457	2438	2493	2736
293 Public Utility District	4859	4831	4604	4695	5392	5960	5922	5666	5144	4901	4901	4621	4690	4873	5107
294 Investor-Owned Utility	13675	13549	12464	11819	13234	14384	14308	13793	12529	12007	12007	12120	12900	13971	13094
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	4.00
296 Direct-Service Industry	412	411	411	412	412	412	412	411	411	412	412	411	411	411	411
297 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
298 Exports	944	1090	952	856	1018	884	685	835	892	1236	1120	1166	1158	1166	984
299 Canada	584	555	454	454	454	454	454	454	454	454	454	454	454	478	466
300 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
301 Inland Southwest	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
302 Pacific Southwest	349	520	484	390	548	417	223	369	425	760	647	692	684	669	503
303 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
304 Total Regional Loads	25485	25442	23629	22863	25748	27913	27539	26678	24447	24000	23884	23686	24666	26208	25228
Regional Resources															
305 Hydro Resources	11886	10692	9475	9766	12770	12691	11226	10633	10729	10887	10117	15740	15102	12707	11894
306 Regulated Hydro - Net	10553	9366	8258	8723	11856	11741	10439	9784	9685	9359	8570	13745	13047	11137	10618
307 Independent Hydro - Net	1002	997	969	876	779	823	668	724	884	1240	1255	1580	1608	1143	1026
308 Small Hydro - Net	331	329	248	167	135	127	119	125	159	288	291	416	447	427	250
309 Other Resources	14905	15504	15441	15156	15887	14938	14095	14580	13897	14780	12654	11779	13589	15233	14458
310 Cogeneration Resources	2467	2467	2470	2461	2508	2576	2536	2555	1772	2460	1906	2150	2394	2427	2373
311 Combustion Turbine Resources	6061	6067	6131	6190	6319	6397	6403	6340	6286	6166	5210	3442	4410	6063	5809
312 Large Thermal Resources	4915	4915	4915	4915	4915	4289	4168	4168	4119	3260	3064	3553	4184	4168	4290
313 Renewable Resources	1433	2025	1890	1551	2109	1639	950	1479	1682	2858	2439	2593	2564	2539	1949
314 Small Thermal & Miscellaneous	30.4	30.5	36.1	38.3	36.1	37.5	37.7	36.8	38.1	36.0	35.8	40.7	36.6	35.3	36.6
315 Imports	592	592	517	488	674	775	610	610	514	461	461	509	669	722	595
316 Canada	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
317 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
318 Inland Southwest	571	571	501	466	454	491	461	476	451	430	430	480	631	695	509

Loads and Resources - Pacific Northwest Region

Operating Year: 2026 Water Year: 1937

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
319 Pacific Southwest	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
320 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
321 Reserves & Losses	-813	-796	-755	-755	-871	-844	-770	-767	-747	-776	-690	-832	-872	-851	-800
322 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
323 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
324 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
325 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
326 Transmission Losses	-813	-796	-755	-755	-871	-844	-770	-767	-747	-776	-690	-832	-872	-851	-800
327 Total Regional Resources	26570	25992	24678	24655	28460	27561	25161	25057	24393	25352	22542	27196	28488	27811	26146
328 Total Surplus/Deficit	1085	550	1049	1792	2712	-353	-2378	-1622	-53.6	1352	-1343	3510	3822	1603	918

Loads and Resources - Pacific Northwest Region

Operating Year: 2027 Water Year: 1937

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Regional Loads															
329 Retail Loads	24673	24483	22795	22122	24940	27062	26968	26015	23598	22874	22874	22633	23638	25175	24362
330 Federal Agency	141	140	134	136	162	187	182	171	150	137	137	129	132	144	150
331 USBR	306	313	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
332 Cooperative	2653	2635	2394	2284	2568	2833	2795	2699	2424	2405	2405	2455	2595	2757	2571
333 Municipality	2510	2488	2420	2565	3032	3204	3243	3140	2801	2666	2666	2461	2439	2495	2745
334 Public Utility District	4881	4852	4625	4733	5444	5952	5940	5709	5143	4920	4920	4641	4719	4894	5130
335 Investor-Owned Utility	13766	13640	12543	11880	13298	14449	14381	13865	12599	12076	12076	12200	12989	14070	13170
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	4.00
337 Direct-Service Industry	412	411	411	412	412	412	412	411	411	412	412	411	411	411	411
338 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
339 Exports	944	1090	952	856	1018	884	685	835	892	1236	1120	1166	1158	1166	984
340 Canada	584	555	454	454	454	454	454	454	454	454	454	454	454	478	466
341 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
342 Inland Southwest	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
343 Pacific Southwest	349	520	484	390	548	417	223	369	425	760	647	692	684	669	503
344 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
345 Total Regional Loads	25617	25573	23747	22978	25958	27946	27652	26849	24490	24109	23993	23798	24796	26341	25346
Regional Resources															
346 Hydro Resources	11886	10692	9475	9766	12770	12691	11226	10633	10729	10887	10117	15737	15102	12707	11894
347 Regulated Hydro - Net	10553	9366	8258	8723	11856	11741	10439	9784	9685	9359	8570	13741	13047	11137	10618
348 Independent Hydro - Net	1002	997	969	876	779	823	668	724	884	1240	1255	1580	1608	1143	1026
349 Small Hydro - Net	331	329	248	167	135	127	119	125	159	288	291	416	447	427	250
350 Other Resources	14159	14757	14695	14409	15179	14818	14093	14580	13766	15566	13446	11684	12492	15160	14150
351 Cogeneration Resources	2467	2467	2470	2461	2546	2576	2534	2556	1770	2454	1906	2170	2397	2460	2381
352 Combustion Turbine Resources	6061	6067	6131	6190	6319	6397	6403	6340	6286	6166	5210	3442	4410	6063	5809
353 Large Thermal Resources	4168	4168	4168	4168	4168	4168	4168	4168	3989	4052	3855	3439	3084	4062	3975
354 Renewable Resources	1433	2025	1890	1551	2109	1639	950	1479	1682	2858	2439	2593	2564	2539	1949
355 Small Thermal & Miscellaneous	30.4	30.5	36.1	38.3	36.1	37.5	37.7	36.8	38.1	36.0	35.8	40.7	36.6	35.3	36.6
356 Imports	598	598	520	490	676	778	613	613	517	464	464	512	676	729	599
357 Canada	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
358 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
359 Inland Southwest	577	577	504	468	457	494	463	479	454	433	433	483	637	702	513

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
360 Pacific Southwest	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
361 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
362 Reserves & Losses	-791	-774	-733	-733	-850	-840	-770	-767	-743	-799	-714	-830	-840	-849	-791
363 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
364 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
365 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
366 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
367 Transmission Losses	-791	-774	-733	-733	-850	-840	-770	-767	-743	-799	-714	-830	-840	-849	-791
368 Total Regional Resources	25851	25273	23957	23933	27775	27447	25161	25059	24269	26117	23313	27103	27430	27747	25851
369 Total Surplus/Deficit	235	-300	209	955	1817	-500	-2491	-1790	-221	2008	-681	3305	2634	1406	505

Loads and Resources - Pacific Northwest Region

Operating Year: 2028 Water Year: 1937

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Regional Loads															
370 Retail Loads	24578	24842	22939	22223	25044	27172	27083	25837	23707	23073	22886	22751	23767	25311	24462
371 Federal Agency	140	141	135	136	163	187	183	168	150	138	137	130	133	145	151
372 USBR	315	305	263	108	19.8	21.3	10.4	14.9	66.6	253	256	332	349	400	179
373 Cooperative	2641	2666	2404	2293	2578	2844	2806	2679	2434	2424	2406	2465	2606	2768	2579
374 Municipality	2491	2521	2428	2572	3039	3212	3253	3139	2810	2688	2661	2469	2448	2504	2754
375 Public Utility District	4871	4910	4668	4754	5465	5974	5961	5661	5160	4953	4920	4657	4735	4911	5147
376 Investor-Owned Utility	13706	13882	12627	11944	13364	14518	14454	13760	12671	12200	12091	12283	13081	14169	13236
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	4.00
378 Direct-Service Industry	411	412	411	412	412	412	412	411	411	412	411	411	411	411	411
379 Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
380 Exports	908	1124	952	856	1018	884	685	835	892	1254	1102	1166	1158	1166	984
381 Canada	548	589	454	454	454	454	454	454	454	472	436	454	454	478	466
382 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
383 Inland Southwest	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
384 Pacific Southwest	349	520	484	390	548	417	223	369	425	760	647	692	684	669	503
385 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
386 Total Regional Loads	25485	25965	23891	23079	26062	28056	27767	26672	24599	24326	23988	23916	24924	26477	25445
Regional Resources															
387 Hydro Resources	11886	10692	9475	9766	12770	12691	11226	10633	10729	10887	10117	15740	15102	12707	11890
388 Regulated Hydro - Net	10553	9366	8258	8723	11856	11741	10439	9784	9685	9359	8570	13745	13047	11137	10616
389 Independent Hydro - Net	1002	997	969	876	779	823	668	724	884	1240	1255	1580	1608	1143	1025
390 Small Hydro - Net	331	329	248	167	135	127	119	125	159	288	291	416	447	427	249
391 Other Resources	14158	14756	14657	14416	15178	14817	14092	14579	14055	14219	12467	12129	13557	15256	14211
392 Cogeneration Resources	2466	2466	2432	2468	2545	2575	2533	2555	1889	2090	1909	2157	2396	2459	2372
393 Combustion Turbine Resources	6061	6067	6131	6190	6319	6397	6403	6340	6286	6166	5210	3478	4380	6063	5811
394 Large Thermal Resources	4168	4168	4168	4168	4168	4168	4168	4168	4160	3070	2873	3849	4184	4168	4044
395 Renewable Resources	1433	2025	1890	1551	2109	1639	950	1479	1682	2857	2439	2605	2560	2530	1947
396 Small Thermal & Miscellaneous	30.4	30.5	36.1	38.3	36.1	37.5	37.7	36.8	38.1	36.0	35.8	40.7	36.6	35.3	36.6
397 Imports	604	604	523	493	679	781	615	615	520	467	466	516	683	737	603
398 Canada	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
399 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400 Inland Southwest	583	583	507	472	459	496	466	481	457	436	436	487	644	710	517

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
401 Pacific Southwest	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
402 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
403 Reserves & Losses	-791	-774	-732	-733	-850	-840	-770	-767	-752	-760	-685	-843	-871	-852	-793
404 Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
405 Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
406 Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
407 Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
408 Transmission Losses	-791	-774	-732	-733	-850	-840	-770	-767	-752	-760	-685	-843	-871	-852	-793
409 Total Regional Resources	25856	25278	23923	23942	27776	27448	25163	25061	24552	24813	22365	27542	28470	27848	25911
410 Total Surplus/Deficit	371	-687	31.8	864	1714	-608	-2605	-1611	-46.4	487	-1622	3625	3545	1371	465

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Exhibit 21
Regional Total Retail Loads

Monthly Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
1 Federal Agency	114	114	107	123	148	172	168	156	136	124	124	117	119	131	134
2 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
3 Cooperative	2090	2091	1855	1754	2041	2305	2277	2181	1926	1912	1912	1963	2109	2269	2057
4 Municipality	2379	2381	2304	2449	2829	3112	3117	2982	2731	2552	2552	2358	2341	2393	2627
5 Public Utility District	4591	4594	4353	4399	5070	5622	5591	5329	4797	4584	4584	4335	4409	4585	4803
6 Investor-Owned Utility	12861	12876	11787	11268	12671	13805	13743	13216	11986	11471	11471	11511	12218	13236	12481
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	4.00
8 Direct-Service Industry	411	411	411	412	412	412	412	411	411	412	412	411	411	411	411
9 Total Firm Loads	22760	22781	21084	20517	23195	25453	25322	24295	22057	21312	21312	21030	21960	23429	22698
Non-Firm Loads															
10 Public Utility District	0	0	14.3	0	0	0	3.50	23.0	54.4	33.8	33.8	0	0	0	10.6
11 Total Non-Firm Loads	0	0	14.3	0	0	0	3.50	23.0	54.4	33.8	33.8	0	0	0	10.6
Total Regional Loads (Firm+Non-Firm)															
12 Federal Agency	114	114	107	123	148	172	168	156	136	124	124	117	119	131	134
13 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
14 Cooperative	2090	2091	1855	1754	2041	2305	2277	2181	1926	1912	1912	1963	2109	2269	2057
15 Municipality	2379	2381	2304	2449	2829	3112	3117	2982	2731	2552	2552	2358	2341	2393	2627
16 Public Utility District	4591	4594	4367	4399	5070	5622	5595	5352	4851	4617	4617	4335	4409	4585	4814
17 Investor-Owned Utility	12861	12876	11787	11268	12671	13805	13743	13216	11986	11471	11471	11511	12218	13236	12481
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	4.00
19 Direct-Service Industry	411	411	411	412	412	412	412	411	411	412	412	411	411	411	411
20 Total Loads	22760	22781	21098	20517	23195	25453	25325	24318	22112	21346	21346	21030	21960	23429	22709

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
1 Federal Agency	127	128	121	134	159	183	178	164	146	134	134	127	130	141	145
2 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	179
3 Cooperative	2175	2176	1941	1840	2130	2395	2364	2239	2012	2002	2002	2053	2201	2361	2143
4 Municipality	2400	2402	2324	2471	2854	3140	3178	3016	2791	2612	2612	2417	2398	2452	2671
5 Public Utility District	4587	4590	4342	4447	5123	5679	5653	5314	4853	4639	4639	4399	4465	4642	4845
6 Investor-Owned Utility	12976	12991	11892	11357	12761	13898	13837	13145	12078	11562	11562	11612	12331	13355	12569
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	4.00
8 Direct-Service Industry	411	411	411	412	412	412	412	411	411	412	412	411	411	411	411
9 Total Firm Loads	22990	23012	21300	20772	23462	25731	25636	24308	22362	21619	21619	21356	22289	23766	22968
Non-Firm Loads															
10 Public Utility District	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
11 Total Non-Firm Loads	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
Total Regional Loads (Firm+Non-Firm)															
12 Federal Agency	127	128	121	134	159	183	178	164	146	134	134	127	130	141	145
13 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	179
14 Cooperative	2175	2176	1941	1840	2130	2395	2364	2239	2012	2002	2002	2053	2201	2361	2143
15 Municipality	2400	2402	2324	2471	2854	3140	3178	3016	2791	2612	2612	2417	2398	2452	2671
16 Public Utility District	4587	4590	4357	4447	5123	5679	5656	5338	4907	4673	4673	4399	4465	4642	4856
17 Investor-Owned Utility	12976	12991	11892	11357	12761	13898	13837	13145	12078	11562	11562	11612	12331	13355	12569
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	4.00
19 Direct-Service Industry	411	411	411	412	412	412	412	411	411	412	412	411	411	411	411
20 Total Loads	22990	23012	21314	20772	23462	25731	25640	24332	22417	21653	21653	21356	22289	23766	22979

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
1 Federal Agency	138	138	132	134	160	184	179	168	147	135	135	128	131	142	148
2 USBR	306	313	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
3 Cooperative	2275	2258	2032	1929	2220	2484	2452	2356	2099	2090	2090	2141	2291	2451	2234
4 Municipality	2469	2447	2381	2526	2911	3198	3185	3051	2797	2617	2617	2422	2403	2457	2699
5 Public Utility District	4660	4633	4399	4502	5184	5739	5700	5434	4884	4666	4666	4443	4510	4688	4897
6 Investor-Owned Utility	13162	13041	12000	11445	12852	13993	13923	13402	12160	11643	11643	11704	12433	13464	12676
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	4.00
8 Direct-Service Industry	412	411	411	412	412	412	412	411	411	412	412	411	411	411	411
9 Total Firm Loads	23427	23245	21622	21060	23762	26034	25866	24842	22570	21822	21822	21585	22531	24017	23250
Non-Firm Loads															
10 Public Utility District	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
11 Total Non-Firm Loads	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
Total Regional Loads (Firm+Non-Firm)															
12 Federal Agency	138	138	132	134	160	184	179	168	147	135	135	128	131	142	148
13 USBR	306	313	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
14 Cooperative	2275	2258	2032	1929	2220	2484	2452	2356	2099	2090	2090	2141	2291	2451	2234
15 Municipality	2469	2447	2381	2526	2911	3198	3185	3051	2797	2617	2617	2422	2403	2457	2699
16 Public Utility District	4660	4633	4413	4502	5184	5739	5704	5458	4938	4700	4700	4443	4510	4688	4908
17 Investor-Owned Utility	13162	13041	12000	11445	12852	13993	13923	13402	12160	11643	11643	11704	12433	13464	12676
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	4.00
19 Direct-Service Industry	412	411	411	412	412	412	412	411	411	412	412	411	411	411	411
20 Total Loads	23427	23245	21636	21060	23762	26034	25869	24866	22624	21855	21855	21585	22531	24017	23260

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
1 Federal Agency	138	140	133	134	160	184	179	169	148	135	135	128	131	142	148
2 USBR	315	305	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
3 Cooperative	2344	2367	2122	2017	2310	2574	2541	2444	2187	2176	2176	2226	2378	2537	2322
4 Municipality	2447	2478	2386	2531	2917	3204	3192	3058	2803	2623	2623	2428	2408	2463	2705
5 Public Utility District	4673	4711	4443	4546	5231	5791	5750	5479	4939	4724	4724	4484	4551	4731	4945
6 Investor-Owned Utility	13119	13288	12097	11523	12932	14076	14007	13489	12242	11724	11724	11794	12533	13572	12765
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	4.00
8 Direct-Service Industry	411	412	411	412	412	412	412	411	411	412	412	411	411	411	411
9 Total Firm Loads	23451	23704	21859	21276	23985	26265	26096	25069	22801	22052	22052	21806	22765	24261	23481
Non-Firm Loads															
10 Public Utility District	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
11 Total Non-Firm Loads	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
Total Regional Loads (Firm+Non-Firm)															
12 Federal Agency	138	140	133	134	160	184	179	169	148	135	135	128	131	142	148
13 USBR	315	305	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
14 Cooperative	2344	2367	2122	2017	2310	2574	2541	2444	2187	2176	2176	2226	2378	2537	2322
15 Municipality	2447	2478	2386	2531	2917	3204	3192	3058	2803	2623	2623	2428	2408	2463	2705
16 Public Utility District	4673	4711	4458	4546	5231	5791	5754	5503	4994	4758	4758	4484	4551	4731	4956
17 Investor-Owned Utility	13119	13288	12097	11523	12932	14076	14007	13489	12242	11724	11724	11794	12533	13572	12765
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	4.00
19 Direct-Service Industry	411	412	411	412	412	412	412	411	411	412	412	411	411	411	411
20 Total Loads	23451	23704	21874	21276	23985	26265	26100	25092	22856	22086	22086	21806	22765	24261	23492

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
1 Federal Agency	139	139	133	134	159	183	179	168	147	135	134	127	130	142	148
2 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	253	256	332	349	400	180
3 Cooperative	2441	2443	2208	2101	2396	2660	2627	2529	2272	2271	2253	2311	2464	2624	2408
4 Municipality	2468	2470	2391	2537	2924	3211	3200	3065	2810	2642	2615	2434	2414	2469	2711
5 Public Utility District	4734	4737	4485	4588	5276	5839	5802	5534	4986	4785	4753	4528	4595	4777	4991
6 Investor-Owned Utility	13305	13320	12195	11601	13011	14156	14090	13573	12321	11857	11750	11883	12631	13679	12854
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	4.00
8 Direct-Service Industry	411	411	411	412	412	412	412	411	411	412	411	411	411	411	411
9 Total Firm Loads	23812	23834	22090	21484	24202	26487	26324	25299	23018	22359	22177	22030	22999	24505	23707
Non-Firm Loads															
10 Public Utility District	0	0	14.3	0	0	0	3.50	23.8	54.4	33.9	33.7	0	0	0	10.7
11 Total Non-Firm Loads	0	0	14.3	0	0	0	3.50	23.8	54.4	33.9	33.7	0	0	0	10.7
Total Regional Loads (Firm+Non-Firm)															
12 Federal Agency	139	139	133	134	159	183	179	168	147	135	134	127	130	142	148
13 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	253	256	332	349	400	180
14 Cooperative	2441	2443	2208	2101	2396	2660	2627	2529	2272	2271	2253	2311	2464	2624	2408
15 Municipality	2468	2470	2391	2537	2924	3211	3200	3065	2810	2642	2615	2434	2414	2469	2711
16 Public Utility District	4734	4737	4499	4588	5276	5839	5806	5557	5041	4819	4787	4528	4595	4777	5001
17 Investor-Owned Utility	13305	13320	12195	11601	13011	14156	14090	13573	12321	11857	11750	11883	12631	13679	12854
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	4.00
19 Direct-Service Industry	411	411	411	412	412	412	412	411	411	412	411	411	411	411	411
20 Total Loads	23812	23834	22104	21484	24202	26487	26328	25322	23072	22393	22211	22030	22999	24505	23717

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
1 Federal Agency	138	138	132	134	160	184	179	165	147	135	135	127	130	142	148
2 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	179
3 Cooperative	2527	2529	2294	2186	2482	2745	2713	2584	2357	2345	2345	2392	2545	2703	2490
4 Municipality	2474	2476	2397	2542	2930	3219	3209	3046	2817	2636	2636	2441	2421	2476	2717
5 Public Utility District	4773	4776	4523	4627	5319	5884	5847	5500	5026	4808	4808	4565	4634	4816	5027
6 Investor-Owned Utility	13408	13424	12289	11677	13089	14237	14171	13477	12400	11880	11880	11970	12728	13784	12928
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	4.00
8 Direct-Service Industry	411	411	411	412	412	412	412	411	411	412	412	411	411	411	411
9 Total Firm Loads	24045	24067	22312	21690	24416	26706	26545	25203	23229	22474	22474	22243	23222	24736	23904
Non-Firm Loads															
10 Public Utility District	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
11 Total Non-Firm Loads	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
Total Regional Loads (Firm+Non-Firm)															
12 Federal Agency	138	138	132	134	160	184	179	165	147	135	135	127	130	142	148
13 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	179
14 Cooperative	2527	2529	2294	2186	2482	2745	2713	2584	2357	2345	2345	2392	2545	2703	2490
15 Municipality	2474	2476	2397	2542	2930	3219	3209	3046	2817	2636	2636	2441	2421	2476	2717
16 Public Utility District	4773	4776	4537	4627	5319	5884	5850	5524	5081	4842	4842	4565	4634	4816	5037
17 Investor-Owned Utility	13408	13424	12289	11677	13089	14237	14171	13477	12400	11880	11880	11970	12728	13784	12928
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	4.00
19 Direct-Service Industry	411	411	411	412	412	412	412	411	411	412	412	411	411	411	411
20 Total Loads	24045	24067	22327	21690	24416	26706	26549	25227	23284	22508	22508	22243	23222	24736	23915

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
1 Federal Agency	138	139	132	135	161	186	181	170	149	136	136	129	132	143	149
2 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
3 Cooperative	2604	2606	2370	2259	2543	2809	2772	2678	2406	2386	2386	2436	2576	2736	2548
4 Municipality	2481	2483	2404	2549	2939	3228	3220	3084	2827	2645	2645	2449	2429	2485	2727
5 Public Utility District	4810	4813	4559	4664	5359	5927	5886	5611	5048	4825	4825	4599	4668	4850	5065
6 Investor-Owned Utility	13512	13528	12382	11752	13165	14314	14241	13726	12465	11945	11945	12046	12816	13879	13020
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	4.00
8 Direct-Service Industry	411	411	411	412	412	412	412	411	411	412	412	411	411	411	411
9 Total Firm Loads	24271	24293	22525	21883	24603	26900	26726	25700	23376	22608	22608	22406	23384	24908	24105
Non-Firm Loads															
10 Public Utility District	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
11 Total Non-Firm Loads	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
Total Regional Loads (Firm+Non-Firm)															
12 Federal Agency	138	139	132	135	161	186	181	170	149	136	136	129	132	143	149
13 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
14 Cooperative	2604	2606	2370	2259	2543	2809	2772	2678	2406	2386	2386	2436	2576	2736	2548
15 Municipality	2481	2483	2404	2549	2939	3228	3220	3084	2827	2645	2645	2449	2429	2485	2727
16 Public Utility District	4810	4813	4573	4664	5359	5927	5890	5635	5102	4859	4859	4599	4668	4850	5076
17 Investor-Owned Utility	13512	13528	12382	11752	13165	14314	14241	13726	12465	11945	11945	12046	12816	13879	13020
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	4.00
19 Direct-Service Industry	411	411	411	412	412	412	412	411	411	412	412	411	411	411	411
20 Total Loads	24271	24293	22539	21883	24603	26900	26730	25724	23431	22642	22642	22406	23384	24908	24115

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
1 Federal Agency	141	140	134	136	162	186	181	170	149	137	137	129	132	144	150
2 USBR	306	313	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
3 Cooperative	2643	2625	2385	2275	2558	2823	2785	2689	2415	2396	2396	2445	2585	2746	2561
4 Municipality	2502	2480	2412	2558	2949	3239	3231	3095	2836	2654	2654	2457	2438	2493	2736
5 Public Utility District	4859	4831	4590	4695	5392	5960	5919	5642	5089	4867	4867	4621	4690	4873	5097
6 Investor-Owned Utility	13675	13549	12464	11819	13234	14384	14308	13793	12529	12007	12007	12120	12900	13971	13094
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	4.00
8 Direct-Service Industry	412	411	411	412	412	412	412	411	411	412	412	411	411	411	411
9 Total Firm Loads	24541	24352	22663	22007	24730	27029	26851	25820	23501	22731	22731	22520	23508	25042	24233
Non-Firm Loads															
10 Public Utility District	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
11 Total Non-Firm Loads	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
Total Regional Loads (Firm+Non-Firm)															
12 Federal Agency	141	140	134	136	162	186	181	170	149	137	137	129	132	144	150
13 USBR	306	313	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
14 Cooperative	2643	2625	2385	2275	2558	2823	2785	2689	2415	2396	2396	2445	2585	2746	2561
15 Municipality	2502	2480	2412	2558	2949	3239	3231	3095	2836	2654	2654	2457	2438	2493	2736
16 Public Utility District	4859	4831	4604	4695	5392	5960	5922	5666	5144	4901	4901	4621	4690	4873	5107
17 Investor-Owned Utility	13675	13549	12464	11819	13234	14384	14308	13793	12529	12007	12007	12120	12900	13971	13094
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	4.00
19 Direct-Service Industry	412	411	411	412	412	412	412	411	411	412	412	411	411	411	411
20 Total Loads	24541	24352	22677	22007	24730	27029	26854	25844	23555	22765	22765	22520	23508	25042	24244

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
1 Federal Agency	141	140	134	136	162	187	182	171	150	137	137	129	132	144	150
2 USBR	306	313	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
3 Cooperative	2653	2635	2394	2284	2568	2833	2795	2699	2424	2405	2405	2455	2595	2757	2571
4 Municipality	2510	2488	2420	2565	3032	3204	3243	3140	2801	2666	2666	2461	2439	2495	2745
5 Public Utility District	4881	4852	4611	4733	5444	5952	5937	5685	5088	4886	4886	4641	4719	4894	5119
6 Investor-Owned Utility	13766	13640	12543	11880	13298	14449	14381	13865	12599	12076	12076	12200	12989	14070	13170
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	4.00
8 Direct-Service Industry	412	411	411	412	412	412	412	411	411	412	412	411	411	411	411
9 Total Firm Loads	24673	24483	22781	22122	24940	27062	26964	25991	23544	22840	22840	22633	23638	25175	24351
Non-Firm Loads															
10 Public Utility District	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
11 Total Non-Firm Loads	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
Total Regional Loads (Firm+Non-Firm)															
12 Federal Agency	141	140	134	136	162	187	182	171	150	137	137	129	132	144	150
13 USBR	306	313	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
14 Cooperative	2653	2635	2394	2284	2568	2833	2795	2699	2424	2405	2405	2455	2595	2757	2571
15 Municipality	2510	2488	2420	2565	3032	3204	3243	3140	2801	2666	2666	2461	2439	2495	2745
16 Public Utility District	4881	4852	4625	4733	5444	5952	5940	5709	5143	4920	4920	4641	4719	4894	5130
17 Investor-Owned Utility	13766	13640	12543	11880	13298	14449	14381	13865	12599	12076	12076	12200	12989	14070	13170
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	4.00
19 Direct-Service Industry	412	411	411	412	412	412	412	411	411	412	412	411	411	411	411
20 Total Loads	24673	24483	22795	22122	24940	27062	26968	26015	23598	22874	22874	22633	23638	25175	24362

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
1 Federal Agency	140	141	135	136	163	187	183	168	150	138	137	130	133	145	151
2 USBR	315	305	263	108	19.8	21.3	10.4	14.9	66.6	253	256	332	349	400	179
3 Cooperative	2641	2666	2404	2293	2578	2844	2806	2679	2434	2424	2406	2465	2606	2768	2579
4 Municipality	2491	2521	2428	2572	3039	3212	3253	3139	2810	2688	2661	2469	2448	2504	2754
5 Public Utility District	4871	4910	4653	4754	5465	5974	5957	5637	5106	4919	4886	4657	4735	4911	5136
6 Investor-Owned Utility	13706	13882	12627	11944	13364	14518	14454	13760	12671	12200	12091	12283	13081	14169	13236
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	4.00
8 Direct-Service Industry	411	412	411	412	412	412	412	411	411	412	411	411	411	411	411
9 Total Firm Loads	24578	24842	22925	22223	25044	27172	27079	25813	23653	23039	22852	22751	23767	25311	24451
Non-Firm Loads															
10 Public Utility District	0	0	14.3	0	0	0	3.50	23.8	54.4	33.9	33.7	0	0	0	10.7
11 Total Non-Firm Loads	0	0	14.3	0	0	0	3.50	23.8	54.4	33.9	33.7	0	0	0	10.7
Total Regional Loads (Firm+Non-Firm)															
12 Federal Agency	140	141	135	136	163	187	183	168	150	138	137	130	133	145	151
13 USBR	315	305	263	108	19.8	21.3	10.4	14.9	66.6	253	256	332	349	400	179
14 Cooperative	2641	2666	2404	2293	2578	2844	2806	2679	2434	2424	2406	2465	2606	2768	2579
15 Municipality	2491	2521	2428	2572	3039	3212	3253	3139	2810	2688	2661	2469	2448	2504	2754
16 Public Utility District	4871	4910	4668	4754	5465	5974	5961	5661	5160	4953	4920	4657	4735	4911	5147
17 Investor-Owned Utility	13706	13882	12627	11944	13364	14518	14454	13760	12671	12200	12091	12283	13081	14169	13236
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	4.00
19 Direct-Service Industry	411	412	411	412	412	412	412	411	411	412	411	411	411	411	411
20 Total Loads	24578	24842	22939	22223	25044	27172	27083	25837	23707	23073	22886	22751	23767	25311	24462

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Exhibit 22
Regional Exports

Monthly Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

**Regional Exports
Operating Year 2019**

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Canada															
Contracts															
¹ BPA-P to BCHP Trty CEA	462	466	464	464	464	464	464	464	464	464	464	464	464	464	464
² BPA-P to BCHP NTSA Del	91.7	91.7	0	0	0	0	0	0	0	0	0	0	0	15.5	9.11
³ Total Exports to CAN	553	558	464	464	464	464	464	464	464	464	464	464	464	480	473
East Continental Divide															
Contracts															
⁴ AVWP to PPLM PwrS LTFirm	6.80	6.80	6.80	6.80	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.46
⁵ BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
⁶ Total Exports to ECD	6.80	6.80	6.80	6.80	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.46
Inland Southwest															
Transfer Services															
⁷ UAMP to UAMP TS PwrP	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
⁸ Total Exports to ISW	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
Pacific Southwest															
Contracts															
⁹ BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹⁰ BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹¹ BPA-P to Other Entities	39.1	38.6	29.4	22.1	18.4	14.0	13.6	11.6	0.28	0	0	0	0	0	12.4
¹² BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹³ BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹⁴ MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
¹⁵ PSE to PG&E SNX Del	186	186	170	0	0	0	0	0	0	0	0	0	51.2	155	47.1
Transfer Services															
¹⁶ BURB to BURB TS PwrP	1.60	2.41	2.24	1.80	2.58	1.96	1.05	1.74	2.00	3.57	3.01	3.22	3.18	3.11	2.35
¹⁷ GLEN to GLEN TS PwrP	7.24	10.9	10.1	8.11	11.6	8.86	4.74	7.83	9.01	16.1	13.6	14.5	14.3	14.0	10.6
¹⁸ LDWP to LDWP TS PwrP	68.9	103	96.0	77.2	111	84.3	45.1	74.6	85.7	153	129	138	136	133	101
¹⁹ MID to MID TS PwrP	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
²⁰ Other Entities to Other Entities	60.2	90.3	83.9	67.4	96.6	73.7	39.4	65.2	74.9	134	113	121	119	117	88.1
²¹ PG&E to PG&E TS PwrP	59.2	88.9	82.6	66.3	95.1	72.5	38.8	64.1	73.7	132	111	119	117	115	86.6
²² SCE to SCE TS PwrP	136	204	190	152	218	166	89.0	147	169	303	255	273	269	263	199
²³ SMUD to SMUD TS PwrP	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3

**Regional Exports
Operating Year 2019**

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
²⁴ TID to TID TS PwrP	22.0	33.0	30.6	24.6	35.3	26.9	14.4	23.8	27.4	48.9	41.2	44.1	43.6	42.6	32.2
²⁵ Intertie Losses	19	25	23	15	20	16	9	14	15	26	22	24	25	28	20
²⁶ Total Exports to PSW	668	859	792	501	681	532	315	476	518	893	766	810	862	957	670
Total Exports															
²⁷ Federal Entities	594	598	494	487	483	479	478	476	464	464	464	464	464	480	486
²⁸ Investor Owned Utilities	408	515	477	248	347	264	142	234	269	480	404	432	479	573	365
²⁹ Marketer	39.9	56.0	52.6	43.8	51.5	39.3	21.0	34.8	40.0	71.5	68.0	72.2	71.4	70.0	51.2
³⁰ Municipality	178	244	229	190	261	211	137	193	206	337	290	302	306	305	239
³¹ Total Exports	1219	1413	1253	968	1142	994	778	938	979	1353	1226	1270	1320	1428	1140

**Regional Exports
Operating Year 2020**

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Canada															
Contracts															
¹ BPA-P to BCHP Trty CEA	452	456	454	454	454	454	454	454	454	454	454	454	454	454	454
² BPA-P to BCHP NTSA Del	91.7	91.7	0	0	0	0	0	0	0	0	0	0	0	24.0	9.80
³ Total Exports to CAN	544	548	454	454	454	454	454	454	454	454	454	454	454	478	464
East Continental Divide															
Contracts															
⁴ AVWP to PPLM PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
⁵ BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
⁶ Total Exports to ECD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Inland Southwest															
Transfer Services															
⁷ UAMP to UAMP TS PwrP	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
⁸ Total Exports to ISW	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
Pacific Southwest															
Contracts															
⁹ BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹⁰ BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹¹ BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹² BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹³ BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹⁴ MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.25
¹⁵ PSE to PG&E SNX Del	186	186	170	0	0	0	0	0	0	0	0	0	51.2	155	47.0
Transfer Services															
¹⁶ BURB to BURB TS PwrP	1.60	2.41	2.24	1.80	2.58	1.96	1.05	1.74	2.00	3.57	3.01	3.22	3.18	3.11	2.35
¹⁷ GLEN to GLEN TS PwrP	7.24	10.9	10.1	8.11	11.6	8.86	4.74	7.83	9.01	16.1	13.6	14.5	14.3	14.0	10.6
¹⁸ LDWP to LDWP TS PwrP	68.9	103	96.0	77.2	111	84.3	45.1	74.6	85.7	153	129	138	136	133	101
¹⁹ MID to MID TS PwrP	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
²⁰ Other Entities to Other Entities	60.2	90.3	83.9	67.4	96.6	73.7	39.4	65.2	74.9	134	113	121	119	117	88.0
²¹ PG&E to PG&E TS PwrP	59.2	88.9	82.6	66.3	95.1	72.5	38.8	64.1	73.7	132	111	119	117	115	86.6
²² SCE to SCE TS PwrP	136	204	190	152	218	166	89.0	147	169	303	255	273	269	263	199
²³ SMUD to SMUD TS PwrP	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3

**Regional Exports
Operating Year 2020**

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
²⁴ TID to TID TS PwrP	22.0	33.0	30.6	24.6	35.3	26.9	14.4	23.8	27.4	48.9	41.2	44.1	43.6	42.6	32.1
²⁵ Intertie Losses	18	24	22	14	19	15	9	14	15	26	22	24	25	28	19
²⁶ Total Exports to PSW	628	819	761	478	662	518	301	464	517	893	766	810	862	957	657
Total Exports															
²⁷ Federal Entities	544	548	454	454	454	454	454	454	454	454	454	454	454	478	464
²⁸ Investor Owned Utilities	402	510	471	242	347	264	142	234	269	480	404	432	479	573	363
²⁹ Marketer	39.9	56.0	52.6	43.8	51.5	39.3	21.0	34.8	40.0	71.5	68.0	72.2	71.4	70.0	51.2
³⁰ Municipality	178	244	229	190	261	211	137	193	206	337	290	302	306	305	239
³¹ Total Exports	1163	1358	1207	930	1113	969	754	916	969	1343	1217	1261	1310	1426	1117

**Regional Exports
Operating Year 2021**

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Canada															
Contracts															
¹ BPA-P to BCHP Trty CEA	469	440	454	454	454	454	454	454	454	454	454	454	454	454	454
² BPA-P to BCHP NTSA Del	115	115	0	0	0	0	0	0	0	0	0	0	0	24.0	11.8
³ Total Exports to CAN	584	555	454	454	454	454	454	454	454	454	454	454	454	478	466
East Continental Divide															
Contracts															
⁴ AVWP to PPLM PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
⁵ BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
⁶ Total Exports to ECD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Inland Southwest															
Transfer Services															
⁷ UAMP to UAMP TS PwrP	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
⁸ Total Exports to ISW	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
Pacific Southwest															
Contracts															
⁹ BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹⁰ BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹¹ BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹² BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹³ BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹⁴ MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
¹⁵ PSE to PG&E SNX Del	186	186	170	0	0	0	0	0	0	0	0	0	51.2	155	47.1
Transfer Services															
¹⁶ BURB to BURB TS PwrP	1.60	2.41	2.24	1.80	2.58	1.96	1.05	1.74	2.00	3.57	3.01	3.22	3.18	3.11	2.35
¹⁷ GLEN to GLEN TS PwrP	7.24	10.9	10.1	8.11	11.6	8.86	4.74	7.83	9.01	16.1	13.6	14.5	14.3	14.0	10.6
¹⁸ LDWP to LDWP TS PwrP	68.9	103	96.0	77.2	111	84.3	45.1	74.6	85.7	153	129	138	136	133	101
¹⁹ MID to MID TS PwrP	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
²⁰ Other Entities to Other Entities	60.2	90.3	83.9	67.4	96.6	73.7	39.4	65.2	74.9	134	113	121	119	117	88.1
²¹ PG&E to PG&E TS PwrP	59.2	88.9	82.6	66.3	95.1	72.5	38.8	64.1	73.7	132	111	119	117	115	86.6
²² SCE to SCE TS PwrP	136	204	190	152	218	166	89.0	147	169	303	255	273	269	263	199
²³ SMUD to SMUD TS PwrP	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3

**Regional Exports
Operating Year 2021**

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
²⁴ TID to TID TS PwrP	22.0	33.0	30.6	24.6	35.3	26.9	14.4	23.8	27.4	48.9	41.2	44.1	43.6	42.6	32.2
²⁵ Intertie Losses	18	24	22	14	19	15	9	14	15	26	22	24	25	28	19
²⁶ Total Exports to PSW	628	819	761	478	662	518	301	464	517	893	766	810	862	957	658
Total Exports															
²⁷ Federal Entities	584	555	454	454	454	454	454	454	454	454	454	454	454	478	466
²⁸ Investor Owned Utilities	402	510	471	242	347	264	142	234	269	480	404	432	479	573	363
²⁹ Marketer	39.9	56.0	52.6	43.8	51.5	39.3	21.0	34.8	40.0	71.5	68.0	72.2	71.4	70.0	51.2
³⁰ Municipality	178	244	229	190	261	211	137	193	206	337	290	302	306	305	239
³¹ Total Exports	1204	1365	1207	930	1113	969	754	916	969	1343	1217	1261	1310	1426	1119

**Regional Exports
Operating Year 2022**

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Canada															
Contracts															
¹ BPA-P to BCHP Trty CEA	433	474	454	454	454	454	454	454	454	454	454	454	454	454	454
² BPA-P to BCHP NTSA Del	115	115	0	0	0	0	0	0	0	0	0	0	0	24.0	11.8
³ Total Exports to CAN	548	589	454	454	454	454	454	454	454	454	454	454	454	478	466
East Continental Divide															
Contracts															
⁴ AVWP to PPLM PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
⁵ BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
⁶ Total Exports to ECD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Inland Southwest															
Transfer Services															
⁷ UAMP to UAMP TS PwrP	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
⁸ Total Exports to ISW	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
Pacific Southwest															
Contracts															
⁹ BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹⁰ BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹¹ BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹² BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹³ BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹⁴ MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
¹⁵ PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer Services															
¹⁶ BURB to BURB TS PwrP	1.60	2.41	2.24	1.80	2.58	1.96	1.05	1.74	2.00	3.57	3.01	3.22	3.18	3.11	2.35
¹⁷ GLEN to GLEN TS PwrP	7.24	10.9	10.1	8.11	11.6	8.86	4.74	7.83	9.01	16.1	13.6	14.5	14.3	14.0	10.6
¹⁸ LDWP to LDWP TS PwrP	68.9	103	96.0	77.2	111	84.3	45.1	74.6	85.7	153	129	138	136	133	101
¹⁹ MID to MID TS PwrP	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
²⁰ Other Entities to Other Entities	60.2	90.3	83.9	67.4	96.6	73.7	39.4	65.2	74.9	134	113	121	119	117	88.1
²¹ PG&E to PG&E TS PwrP	59.2	88.9	82.6	66.3	95.1	72.5	38.8	64.1	73.7	132	111	119	117	115	86.6
²² SCE to SCE TS PwrP	136	204	190	152	218	166	89.0	147	169	303	255	273	269	263	199
²³ TID to TID TS PwrP	22.0	33.0	30.6	24.6	35.3	26.9	14.4	23.8	27.4	48.9	41.2	44.1	43.6	42.6	32.2

**Regional Exports
Operating Year 2022**

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
²⁴ Intertie Losses	11	17	16	13	18	14	7	12	14	25	21	23	22	22	16
²⁵ Total Exports to PSW	390	581	541	436	613	468	250	414	476	851	724	774	765	748	563
Total Exports															
²⁶ Federal Entities	548	589	454	454	454	454	454	454	454	454	454	454	454	478	466
²⁷ Investor Owned Utilities	216	324	301	242	347	264	142	234	269	480	404	432	428	418	316
²⁸ Marketer	39.9	56.0	52.6	43.8	51.5	39.3	21.0	34.8	40.0	71.5	68.0	72.2	71.4	70.0	51.2
²⁹ Municipality	133	199	185	149	213	163	87.0	144	165	296	249	266	263	257	194
³⁰ Total Exports	937	1168	993	889	1066	921	704	867	929	1302	1175	1225	1217	1224	1028

**Regional Exports
Operating Year 2023**

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Canada															
Contracts															
¹ BPA-P to BCHP Trty CEA	452	456	454	454	454	454	454	454	454	472	436	454	454	454	454
² BPA-P to BCHP NTSA Del	115	115	0	0	0	0	0	0	0	0	0	0	0	24.0	11.8
³ Total Exports to CAN	567	571	454	454	454	454	454	454	454	472	436	454	454	478	466
East Continental Divide															
Contracts															
⁴ AVWP to PPLM PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
⁵ BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
⁶ Total Exports to ECD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Inland Southwest															
Transfer Services															
⁷ UAMP to UAMP TS PwrP	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
⁸ Total Exports to ISW	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
Pacific Southwest															
Contracts															
⁹ BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹⁰ BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹¹ BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹² BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹³ BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹⁴ MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
¹⁵ PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer Services															
¹⁶ BURB to BURB TS PwrP	1.60	2.41	2.24	1.80	2.58	1.96	1.05	1.74	2.00	3.57	3.01	3.22	3.18	3.11	2.35
¹⁷ GLEN to GLEN TS PwrP	7.24	10.9	10.1	8.11	11.6	8.86	4.74	7.83	9.01	16.1	13.6	14.5	14.3	14.0	10.6
¹⁸ LDWP to LDWP TS PwrP	68.9	103	96.0	77.2	111	84.3	45.1	74.6	85.7	153	129	138	136	133	101
¹⁹ MID to MID TS PwrP	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
²⁰ Other Entities to Other Entities	60.2	90.3	83.9	67.4	96.6	73.7	39.4	65.2	74.9	134	113	121	119	117	88.1
²¹ PG&E to PG&E TS PwrP	59.2	88.9	82.6	66.3	95.1	38.0	20.3	33.6	38.6	69.1	58.2	62.2	61.5	60.1	58.1
²² SCE to SCE TS PwrP	136	204	190	152	218	166	89.0	147	169	303	255	273	269	263	199
²³ TID to TID TS PwrP	22.0	33.0	30.6	24.6	35.3	26.9	14.4	23.8	27.4	48.9	41.2	44.1	43.6	42.6	32.2

**Regional Exports
Operating Year 2023**

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
²⁴ Intertie Losses	11	17	16	13	18	13	7	11	13	23	20	21	21	20	16
²⁵ Total Exports to PSW	390	581	541	436	613	432	231	382	440	786	670	716	708	692	534
Total Exports															
²⁶ Federal Entities	567	571	454	454	454	454	454	454	454	472	436	454	454	478	466
²⁷ Investor Owned Utilities	216	324	301	242	347	230	123	204	234	418	351	376	372	363	287
²⁸ Marketer	39.9	56.0	52.6	43.8	51.5	39.3	21.0	34.8	40.0	71.5	68.0	72.2	71.4	70.0	51.2
²⁹ Municipality	133	199	185	149	213	163	87.0	144	165	296	249	266	263	257	194
³⁰ Total Exports	956	1150	993	889	1066	886	686	837	894	1257	1105	1169	1161	1169	999

**Regional Exports
Operating Year 2024**

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Canada															
Contracts															
¹ BPA-P to BCHP Trty CEA	452	456	454	454	454	454	454	454	454	454	454	454	454	454	454
² BPA-P to BCHP NTSA Del	115	115	0	0	0	0	0	0	0	0	0	0	0	24.0	11.8
³ Total Exports to CAN	567	571	454	454	454	454	454	454	454	454	454	454	454	478	466
East Continental Divide															
Contracts															
⁴ AVWP to PPLM PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
⁵ BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
⁶ Total Exports to ECD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Inland Southwest															
Transfer Services															
⁷ UAMP to UAMP TS PwrP	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
⁸ Total Exports to ISW	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
Pacific Southwest															
Contracts															
⁹ BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹⁰ BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹¹ BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹² BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹³ BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹⁴ MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.25
¹⁵ PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer Services															
¹⁶ BURB to BURB TS PwrP	1.60	2.41	2.24	1.80	2.58	1.96	1.05	1.74	2.00	3.57	3.01	3.22	3.18	3.11	2.35
¹⁷ GLEN to GLEN TS PwrP	7.24	10.9	10.1	8.11	11.6	8.86	4.74	7.83	9.01	16.1	13.6	14.5	14.3	14.0	10.6
¹⁸ LDWP to LDWP TS PwrP	68.9	103	79.9	64.2	92.0	70.1	37.5	62.0	71.3	128	107	115	114	111	85.0
¹⁹ MID to MID TS PwrP	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
²⁰ Other Entities to Other Entities	60.2	90.3	83.9	67.4	96.6	73.7	39.4	65.2	74.9	134	113	121	119	117	88.0
²¹ PG&E to PG&E TS PwrP	31.0	46.6	43.3	34.8	49.8	38.0	20.3	33.6	38.6	69.1	58.2	62.2	61.5	60.1	45.4
²² SCE to SCE TS PwrP	136	204	190	152	218	166	89.0	147	169	303	255	273	269	263	199
²³ TID to TID TS PwrP	22.0	33.0	30.6	24.6	35.3	26.9	14.4	23.8	27.4	48.9	41.2	44.1	43.6	42.6	32.1

**Regional Exports
Operating Year 2024**

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
²⁴ Intertie Losses	11	16	14	11	16	12	7	11	12	22	19	20	20	19	15
²⁵ Total Exports to PSW	361	538	484	390	548	417	223	369	425	760	647	692	684	669	504
Total Exports															
²⁶ Federal Entities	567	571	454	454	454	454	454	454	454	454	454	454	454	478	466
²⁷ Investor Owned Utilities	188	282	262	211	301	230	123	204	234	418	351	376	372	363	274
²⁸ Marketer	39.9	56.0	52.6	43.8	51.5	39.3	21.0	34.8	40.0	71.5	68.0	72.2	71.4	70.0	51.2
²⁹ Municipality	133	199	169	136	195	148	79.4	131	151	270	227	243	240	235	179
³⁰ Total Exports	928	1108	938	845	1002	872	678	824	879	1213	1101	1145	1138	1147	970

**Regional Exports
Operating Year 2025**

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Canada															
Contracts															
¹ BPA-P to BCHP Trty CEA	452	456	454	454	454	454	454	454	454	454	454	454	454	454	454
² BPA-P to BCHP NTSA Del	115	115	0	0	0	0	0	0	0	0	0	0	0	24.0	11.8
³ Total Exports to CAN	567	571	454	454	454	454	454	454	454	454	454	454	454	478	466
East Continental Divide															
Contracts															
⁴ AVWP to PPLM PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
⁵ BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
⁶ Total Exports to ECD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Inland Southwest															
Transfer Services															
⁷ UAMP to UAMP TS PwrP	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
⁸ Total Exports to ISW	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
Pacific Southwest															
Contracts															
⁹ BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹⁰ BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹¹ BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹² BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹³ BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹⁴ MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
¹⁵ PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer Services															
¹⁶ BURB to BURB TS PwrP	1.60	2.41	2.24	1.80	2.58	1.96	1.05	1.74	2.00	3.57	3.01	3.22	3.18	3.11	2.35
¹⁷ GLEN to GLEN TS PwrP	7.24	10.9	10.1	8.11	11.6	8.86	4.74	7.83	9.01	16.1	13.6	14.5	14.3	14.0	10.6
¹⁸ LDWP to LDWP TS PwrP	57.3	85.9	79.9	64.2	92.0	70.1	37.5	62.0	71.3	128	107	115	114	111	83.8
¹⁹ MID to MID TS PwrP	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
²⁰ Other Entities to Other Entities	60.2	90.3	83.9	67.4	96.6	73.7	39.4	65.2	74.9	134	113	121	119	117	88.1
²¹ PG&E to PG&E TS PwrP	31.0	46.6	43.3	34.8	49.8	38.0	20.3	33.6	38.6	69.1	58.2	62.2	61.5	60.1	45.4
²² SCE to SCE TS PwrP	136	204	190	152	218	166	89.0	147	169	303	255	273	269	263	199
²³ TID to TID TS PwrP	22.0	33.0	30.6	24.6	35.3	26.9	14.4	23.8	27.4	48.9	41.2	44.1	43.6	42.6	32.2

**Regional Exports
Operating Year 2025**

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
²⁴ Intertie Losses	10	15	14	11	16	12	7	11	12	22	19	20	20	19	15
²⁵ Total Exports to PSW	349	520	484	390	548	417	223	369	425	760	647	692	684	669	503
Total Exports															
²⁶ Federal Entities	567	571	454	454	454	454	454	454	454	454	454	454	454	478	466
²⁷ Investor Owned Utilities	188	282	262	211	301	230	123	204	234	418	351	376	372	363	275
²⁸ Marketer	39.9	56.0	52.6	43.8	51.5	39.3	21.0	34.8	40.0	71.5	68.0	72.2	71.4	70.0	51.2
²⁹ Municipality	121	182	169	136	195	148	79.4	131	151	270	227	243	240	235	177
³⁰ Total Exports	916	1091	938	845	1002	872	678	824	879	1213	1101	1145	1138	1147	969

**Regional Exports
Operating Year 2026**

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Canada															
Contracts															
¹ BPA-P to BCHP Trty CEA	469	440	454	454	454	454	454	454	454	454	454	454	454	454	454
² BPA-P to BCHP NTSA Del	115	115	0	0	0	0	0	0	0	0	0	0	0	24.0	11.8
³ Total Exports to CAN	584	555	454	454	454	454	454	454	454	454	454	454	454	478	466
East Continental Divide															
Contracts															
⁴ AVWP to PPLM PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
⁵ BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
⁶ Total Exports to ECD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Inland Southwest															
Transfer Services															
⁷ UAMP to UAMP TS PwrP	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
⁸ Total Exports to ISW	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
Pacific Southwest															
Contracts															
⁹ BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹⁰ BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹¹ BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹² BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹³ BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹⁴ MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
¹⁵ PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer Services															
¹⁶ BURB to BURB TS PwrP	1.60	2.41	2.24	1.80	2.58	1.96	1.05	1.74	2.00	3.57	3.01	3.22	3.18	3.11	2.35
¹⁷ GLEN to GLEN TS PwrP	7.24	10.9	10.1	8.11	11.6	8.86	4.74	7.83	9.01	16.1	13.6	14.5	14.3	14.0	10.6
¹⁸ LDWP to LDWP TS PwrP	57.3	85.9	79.9	64.2	92.0	70.1	37.5	62.0	71.3	128	107	115	114	111	83.8
¹⁹ MID to MID TS PwrP	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
²⁰ Other Entities to Other Entities	60.2	90.3	83.9	67.4	96.6	73.7	39.4	65.2	74.9	134	113	121	119	117	88.1
²¹ PG&E to PG&E TS PwrP	31.0	46.6	43.3	34.8	49.8	38.0	20.3	33.6	38.6	69.1	58.2	62.2	61.5	60.1	45.4
²² SCE to SCE TS PwrP	136	204	190	152	218	166	89.0	147	169	303	255	273	269	263	199
²³ TID to TID TS PwrP	22.0	33.0	30.6	24.6	35.3	26.9	14.4	23.8	27.4	48.9	41.2	44.1	43.6	42.6	32.2

**Regional Exports
Operating Year 2026**

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
²⁴ Intertie Losses	10	15	14	11	16	12	7	11	12	22	19	20	20	19	15
²⁵ Total Exports to PSW	349	520	484	390	548	417	223	369	425	760	647	692	684	669	503
Total Exports															
²⁶ Federal Entities	584	555	454	454	454	454	454	454	454	454	454	454	454	478	466
²⁷ Investor Owned Utilities	188	282	262	211	301	230	123	204	234	418	351	376	372	363	275
²⁸ Marketer	39.9	56.0	52.6	43.8	51.5	39.3	21.0	34.8	40.0	71.5	68.0	72.2	71.4	70.0	51.2
²⁹ Municipality	121	182	169	136	195	148	79.4	131	151	270	227	243	240	235	177
³⁰ Total Exports	933	1075	938	845	1002	872	678	824	879	1213	1101	1145	1138	1147	969

**Regional Exports
Operating Year 2027**

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Canada															
Contracts															
¹ BPA-P to BCHP Trty CEA	469	440	454	454	454	454	454	454	454	454	454	454	454	454	454
² BPA-P to BCHP NTSA Del	115	115	0	0	0	0	0	0	0	0	0	0	0	24.0	11.8
³ Total Exports to CAN	584	555	454	454	454	454	454	454	454	454	454	454	454	478	466
East Continental Divide															
Contracts															
⁴ AVWP to PPLM PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
⁵ BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
⁶ Total Exports to ECD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Inland Southwest															
Transfer Services															
⁷ UAMP to UAMP TS PwrP	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
⁸ Total Exports to ISW	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
Pacific Southwest															
Contracts															
⁹ BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹⁰ BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹¹ BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹² BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹³ BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹⁴ MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
¹⁵ PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer Services															
¹⁶ BURB to BURB TS PwrP	1.60	2.41	2.24	1.80	2.58	1.96	1.05	1.74	2.00	3.57	3.01	3.22	3.18	3.11	2.35
¹⁷ GLEN to GLEN TS PwrP	7.24	10.9	10.1	8.11	11.6	8.86	4.74	7.83	9.01	16.1	13.6	14.5	14.3	14.0	10.6
¹⁸ LDWP to LDWP TS PwrP	57.3	85.9	79.9	64.2	92.0	70.1	37.5	62.0	71.3	128	107	115	114	111	83.8
¹⁹ MID to MID TS PwrP	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
²⁰ Other Entities to Other Entities	60.2	90.3	83.9	67.4	96.6	73.7	39.4	65.2	74.9	134	113	121	119	117	88.1
²¹ PG&E to PG&E TS PwrP	31.0	46.6	43.3	34.8	49.8	38.0	20.3	33.6	38.6	69.1	58.2	62.2	61.5	60.1	45.4
²² SCE to SCE TS PwrP	136	204	190	152	218	166	89.0	147	169	303	255	273	269	263	199
²³ TID to TID TS PwrP	22.0	33.0	30.6	24.6	35.3	26.9	14.4	23.8	27.4	48.9	41.2	44.1	43.6	42.6	32.2

**Regional Exports
Operating Year 2027**

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
²⁴ Intertie Losses	10	15	14	11	16	12	7	11	12	22	19	20	20	19	15
²⁵ Total Exports to PSW	349	520	484	390	548	417	223	369	425	760	647	692	684	669	503
Total Exports															
²⁶ Federal Entities	584	555	454	454	454	454	454	454	454	454	454	454	454	478	466
²⁷ Investor Owned Utilities	188	282	262	211	301	230	123	204	234	418	351	376	372	363	275
²⁸ Marketer	39.9	56.0	52.6	43.8	51.5	39.3	21.0	34.8	40.0	71.5	68.0	72.2	71.4	70.0	51.2
²⁹ Municipality	121	182	169	136	195	148	79.4	131	151	270	227	243	240	235	177
³⁰ Total Exports	933	1075	938	845	1002	872	678	824	879	1213	1101	1145	1138	1147	969

**Regional Exports
Operating Year 2028**

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Canada															
Contracts															
¹ BPA-P to BCHP Trty CEA	433	474	454	454	454	454	454	454	454	472	436	454	454	454	454
² BPA-P to BCHP NTSA Del	115	115	0	0	0	0	0	0	0	0	0	0	0	24.0	11.8
³ Total Exports to CAN	548	589	454	454	454	454	454	454	454	472	436	454	454	478	466
East Continental Divide															
Contracts															
⁴ AVWP to PPLM PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
⁵ BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
⁶ Total Exports to ECD	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Inland Southwest															
Transfer Services															
⁷ UAMP to UAMP TS PwrP	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
⁸ Total Exports to ISW	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
Pacific Southwest															
Contracts															
⁹ BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹⁰ BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹¹ BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹² BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹³ BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹⁴ MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.25
¹⁵ PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer Services															
¹⁶ BURB to BURB TS PwrP	1.60	2.41	2.24	1.80	2.58	1.96	1.05	1.74	2.00	3.57	3.01	3.22	3.18	3.11	2.35
¹⁷ GLEN to GLEN TS PwrP	7.24	10.9	10.1	8.11	11.6	8.86	4.74	7.83	9.01	16.1	13.6	14.5	14.3	14.0	10.6
¹⁸ LDWP to LDWP TS PwrP	57.3	85.9	79.9	64.2	92.0	70.1	37.5	62.0	71.3	128	107	115	114	111	83.8
¹⁹ MID to MID TS PwrP	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
²⁰ Other Entities to Other Entities	60.2	90.3	83.9	67.4	96.6	73.7	39.4	65.2	74.9	134	113	121	119	117	88.0
²¹ PG&E to PG&E TS PwrP	31.0	46.6	43.3	34.8	49.8	38.0	20.3	33.6	38.6	69.1	58.2	62.2	61.5	60.1	45.4
²² SCE to SCE TS PwrP	136	204	190	152	218	166	89.0	147	169	303	255	273	269	263	199
²³ TID to TID TS PwrP	22.0	33.0	30.6	24.6	35.3	26.9	14.4	23.8	27.4	48.9	41.2	44.1	43.6	42.6	32.1

**Regional Exports
Operating Year 2028**

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
²⁴ Intertie Losses	10	15	14	11	16	12	7	11	12	22	19	20	20	19	15
²⁵ Total Exports to PSW	349	520	484	390	548	417	223	369	425	760	647	692	684	669	503
Total Exports															
²⁶ Federal Entities	548	589	454	454	454	454	454	454	454	472	436	454	454	478	466
²⁷ Investor Owned Utilities	188	282	262	211	301	230	123	204	234	418	351	376	372	363	274
²⁸ Marketer	39.9	56.0	52.6	43.8	51.5	39.3	21.0	34.8	40.0	71.5	68.0	72.2	71.4	70.0	51.2
²⁹ Municipality	121	182	169	136	195	148	79.4	131	151	270	227	243	240	235	177
³⁰ Total Exports	897	1108	938	845	1002	872	678	824	879	1232	1083	1145	1138	1147	969

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Exhibit 23
Regional Imports

Monthly Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Canada															
Contracts															
1 BCHP to SCL PwrS LTFirm	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.4
2 BCHP to BPA-P Trty LcALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
4 Total Imports From CAN	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
Inland Southwest															
Transfer Services															
5 RMP to RMP TS PwrP	531	531	479	445	438	472	444	458	432	411	411	459	586	647	484
6 Total Imports From ISW	531	531	479	445	438	472	444	458	432	411	411	459	586	647	484
Pacific Southwest															
Contracts															
7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Other Entities to Other Entities	64.4	64.6	63.3	115	114	113	114	114	114	64.4	64.4	64.0	63.9	64.0	88.9
14 PG&E to PSE SNX Ret	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
15 Total Imports From PSW	64.4	64.6	63.3	115	295	348	201	178	114	64.4	64.4	64.0	63.9	64.0	136
Total Imports															
16 Federal Entities	65.4	65.6	64.3	116	115	114	115	115	115	65.4	65.4	65.0	64.9	65.0	89.9
17 Investor Owned Utilities	533	532	480	447	621	710	534	524	434	413	413	461	588	649	533
18 Municipality	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.4
19 Total Imports	616	616	558	581	771	870	707	706	608	506	506	552	689	738	658

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Canada															
Contracts															
1 BCHP to SCL PwrS LTFirm	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.5
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
4 Total Imports From CAN	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
Inland Southwest															
Transfer Services															
5 RMP to RMP TS PwrP	536	536	482	448	440	474	446	461	434	414	414	462	592	654	487
6 Total Imports From ISW	536	536	482	448	440	474	446	461	434	414	414	462	592	654	487
Pacific Southwest															
Contracts															
7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Other Entities to Other Entities	64.4	64.6	63.3	115	114	113	114	114	114	64.4	64.4	63.4	64.4	64.0	89.0
14 PG&E to PSE SNX Ret	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
15 Total Imports From PSW	64.4	64.6	63.3	115	295	348	201	178	114	64.4	64.4	63.4	64.4	64.0	136
Total Imports															
16 Federal Entities	65.4	65.6	64.3	116	115	114	115	115	115	65.4	65.4	64.4	65.4	65.0	90.0
17 Investor Owned Utilities	538	538	483	450	623	713	537	527	437	416	416	464	594	656	537
18 Municipality	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.5
19 Total Imports	622	622	561	584	773	872	710	709	611	508	508	554	696	745	662

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Canada															
Contracts															
1 BCHP to SCL PwrS LTFirm	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.4
2 BCHP to BPA-P Trty LcALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
4 Total Imports From CAN	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
Inland Southwest															
Transfer Services															
5 RMP to RMP TS PwrP	542	542	485	451	442	477	449	463	437	417	417	465	598	661	491
6 Total Imports From ISW	542	542	485	451	442	477	449	463	437	417	417	465	598	661	491
Pacific Southwest															
Contracts															
7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Other Entities to Other Entities	64.4	63.5	63.9	115	113	114	113	114	115	64.4	64.4	63.4	64.4	0	83.5
14 PG&E to PSE SNX Ret	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
15 Total Imports From PSW	64.4	63.5	63.9	115	294	349	201	178	115	64.4	64.4	63.4	64.4	0	131
Total Imports															
16 Federal Entities	65.4	64.5	64.9	116	114	115	114	115	116	65.4	65.4	64.4	65.4	1.00	84.5
17 Investor Owned Utilities	544	544	487	453	626	715	539	529	439	419	419	467	600	663	540
18 Municipality	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.4
19 Total Imports	627	626	565	587	775	875	712	711	614	511	511	557	701	688	660

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Canada															
Contracts															
1 BCHP to SCL PwrS LTFirm	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.4
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
4 Total Imports From CAN	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
Inland Southwest															
Transfer Services															
5 RMP to RMP TS PwrP	548	548	488	454	445	480	451	466	440	419	419	468	605	667	494
6 Total Imports From ISW	548	548	488	454	445	480	451	466	440	419	419	468	605	667	494
Pacific Southwest															
Contracts															
7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 PG&E to PSE SNX Ret	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
14 Total Imports From PSW	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
Total Imports															
15 Federal Entities	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
16 Investor Owned Utilities	550	550	490	456	628	718	542	532	442	421	421	470	606	669	544
17 Municipality	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.4
18 Total Imports	569	569	504	476	664	764	601	600	502	449	449	497	643	694	580

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Canada															
Contracts															
1 BCHP to SCL PwrS LTFirm	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.4
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
4 Total Imports From CAN	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
Inland Southwest															
Transfer Services															
5 RMP to RMP TS PwrP	554	554	491	457	447	483	453	468	443	422	422	471	611	674	498
6 Total Imports From ISW	554	554	491	457	447	483	453	468	443	422	422	471	611	674	498
Pacific Southwest															
Contracts															
7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 PG&E to PSE SNX Ret	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
14 Total Imports From PSW	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
Total Imports															
15 Federal Entities	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
16 Investor Owned Utilities	556	555	493	459	631	721	544	534	445	424	424	473	612	677	548
17 Municipality	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.4
18 Total Imports	575	574	507	479	667	767	603	602	505	452	452	500	649	702	584

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Canada															
Contracts															
1 BCHP to SCL PwrS LTFirm	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.5
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
4 Total Imports From CAN	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
Inland Southwest															
Transfer Services															
5 RMP to RMP TS PwrP	560	559	494	460	449	485	456	471	445	425	425	474	617	681	502
6 Total Imports From ISW	560	559	494	460	449	485	456	471	445	425	425	474	617	681	502
Pacific Southwest															
Contracts															
7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 PG&E to PSE SNX Ret	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
14 Total Imports From PSW	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
Total Imports															
15 Federal Entities	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
16 Investor Owned Utilities	561	561	496	462	633	724	546	537	448	427	427	476	619	683	551
17 Municipality	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.5
18 Total Imports	580	580	510	482	669	770	605	605	508	455	455	503	656	708	588

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Canada															
Contracts															
1 BCHP to SCL PwrS LTFirm	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.4
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
4 Total Imports From CAN	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
Inland Southwest															
Transfer Services															
5 RMP to RMP TS PwrP	565	565	498	462	452	488	458	473	448	428	428	477	624	688	506
6 Total Imports From ISW	565	565	498	462	452	488	458	473	448	428	428	477	624	688	506
Pacific Southwest															
Contracts															
7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 PG&E to PSE SNX Ret	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
14 Total Imports From PSW	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
Total Imports															
15 Federal Entities	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
16 Investor Owned Utilities	567	567	500	464	635	727	549	540	451	430	430	479	626	690	555
17 Municipality	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.4
18 Total Imports	586	586	514	484	671	773	608	608	511	458	458	506	663	715	591

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Canada															
Contracts															
1 BCHP to SCL PwrS LTFirm	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.4
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
4 Total Imports From CAN	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
Inland Southwest															
Transfer Services															
5 RMP to RMP TS PwrP	571	571	501	466	454	491	461	476	451	430	430	480	631	695	509
6 Total Imports From ISW	571	571	501	466	454	491	461	476	451	430	430	480	631	695	509
Pacific Southwest															
Contracts															
7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 PG&E to PSE SNX Ret	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
14 Total Imports From PSW	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
Total Imports															
15 Federal Entities	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
16 Investor Owned Utilities	573	573	503	468	638	729	551	542	454	433	433	482	632	697	559
17 Municipality	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.4
18 Total Imports	592	592	517	488	674	775	610	610	514	461	461	509	669	722	595

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Canada															
Contracts															
1 BCHP to SCL PwrS LTFirm	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.4
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
4 Total Imports From CAN	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
Inland Southwest															
Transfer Services															
5 RMP to RMP TS PwrP	577	577	504	468	457	494	463	479	454	433	433	483	637	702	513
6 Total Imports From ISW	577	577	504	468	457	494	463	479	454	433	433	483	637	702	513
Pacific Southwest															
Contracts															
7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 PG&E to PSE SNX Ret	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
14 Total Imports From PSW	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
Total Imports															
15 Federal Entities	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
16 Investor Owned Utilities	579	579	506	470	640	732	554	545	457	436	436	485	639	704	562
17 Municipality	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.4
18 Total Imports	598	598	520	490	676	778	613	613	517	464	464	512	676	729	599

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Canada															
Contracts															
1 BCHP to SCL PwrS LTFirm	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.5
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
4 Total Imports From CAN	20.8	20.8	15.8	22.0	38.9	49.3	62.3	70.8	62.7	30.2	30.2	28.9	38.6	27.0	38.8
Inland Southwest															
Transfer Services															
5 RMP to RMP TS PwrP	583	583	507	472	459	496	466	481	457	436	436	487	644	710	517
6 Total Imports From ISW	583	583	507	472	459	496	466	481	457	436	436	487	644	710	517
Pacific Southwest															
Contracts															
7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 PG&E to PSE SNX Ret	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
14 Total Imports From PSW	0	0	0	0	181	235	87.4	63.3	0	0	0	0	0	0	47.1
Total Imports															
15 Federal Entities	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
16 Investor Owned Utilities	585	585	509	473	643	735	556	547	460	439	438	489	646	712	566
17 Municipality	18.0	18.0	13.0	19.0	35.0	45.0	58.0	67.0	59.0	27.0	27.0	26.0	36.0	24.0	35.5
18 Total Imports	604	604	523	493	679	781	615	615	520	467	466	516	683	737	603

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Exhibit 24
Regional Intra-Regional Transfers

Monthly Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Intra-Regional Transfers															
Contracts	284	285	252	260	367	358	365	352	286	326	326	281	295	296	310
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP to ESI PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	113	113	113	113	55.8	55.8	55.8	0	0	0	46.4
4 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
5 BPA-P to PPL NSP RIn	5.33	5.33	4.26	4.42	5.27	3.68	3.24	2.77	2.17	4.73	4.73	5.05	4.97	6.38	4.36
6 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA-P to PSE Ops UBkr Repl	0	0	0	0	3.89	3.77	3.92	4.01	0	0	0	0	0	0	1.28
9 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 CIDF to RMP PwrS LTFirm	14.6	14.6	0.25	0	0	0	0	0	0	0	0	11.9	18.5	19.8	5.47
11 GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	7.90	6.60	8.20	8.60	7.40	7.80	10.3	10.3	12.6	13.9	13.8	10.0
12 GHPD to GHP PwrS LTFirm	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
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	9.66
14 Other Entities to BPA-P	141	142	126	135	132	126	131	119	115	144	144	143	143	143	133
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	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	3.33
17 PGE to PPL PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.99
18 PPL to BPA-P NSP SOut	4.13	4.12	4.57	5.11	3.80	3.24	2.50	2.40	4.58	5.22	5.22	4.81	6.59	5.37	4.37
19 PPL to BPA-P SNX SprgRtn	0	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	0
21 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SCL to POPD PwrS LTFirm	40.6	40.6	42.6	42.9	41.8	39.5	41.8	42.0	39.5	42.1	42.1	39.2	43.3	41.7	41.4
23 Total Intra-Regional Transfers	284	285	252	260	367	358	365	352	286	326	326	281	295	296	310
Intra-Regional Contracts Out															
24 Federal Entities	14.8	14.8	13.7	13.9	131	130	130	129	67.4	70.0	70.0	14.5	14.4	15.8	61.5
25 Investor Owned Utilities	57.9	57.9	44.3	39.5	30.8	24.6	29.1	17.2	14.9	19.0	19.0	19.1	21.3	20.7	28.3
26 Marketer	128	128	126	140	140	140	140	140	140	169	169	168	168	168	147
27 Municipality	56.4	56.4	44.1	44.1	43.0	40.7	43.0	43.2	40.7	43.3	43.3	52.3	63.0	62.7	48.1
28 Public Utility District	27.5	27.5	24.6	22.6	21.3	22.9	23.3	22.1	22.5	25.0	25.0	27.3	28.6	28.5	24.7
29 Total Regional Contracts Out	284	285	252	260	367	358	365	352	286	326	326	281	295	296	310
Intra-Regional Contracts In															
30 Federal Entities	166	166	151	161	153	146	151	139	136	170	170	168	170	169	157

Regional: Intra-Regional Transfers

Operating Year 2019

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

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
³¹ Investor Owned Utilities	33.7	33.7	15.4	13.3	130	130	130	128	66.8	71.8	71.8	30.6	38.4	40.9	68.6
³² Marketer	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
³³ Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
³⁴ Public Utility District	65.6	65.6	67.6	67.9	66.8	64.5	66.8	67.0	64.5	67.1	67.1	64.2	68.3	66.7	66.4
³⁵ Total Regional Contracts In	284	285	252	260	367	358	365	352	286	326	326	281	295	296	310

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Intra-Regional Transfers															
Contracts	287	287	268	125	122	119	121	119	115	155	155	165	181	181	163
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP to ESI PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
5 BPA-P to PPL NSP RIn	5.37	5.37	4.26	4.42	5.27	3.68	3.24	2.68	2.25	4.73	4.73	5.05	4.97	6.35	4.36
6 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA-P to PSE Ops UBkr Repl	0	0	0	0	3.89	3.77	3.92	4.03	0	0	0	0	0	0	1.29
9 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 CIDF to RMP PwrS LTFirm	14.6	14.6	0.25	0	0	0	0	0	0	0	0	11.9	18.5	19.8	5.46
11 GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	7.90	6.60	8.20	8.60	7.40	7.80	10.3	10.3	12.6	13.9	13.8	10.00
12 GHPD to GHP PwrS LTFirm	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
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	9.65
14 Other Entities to BPA-P	144	144	142	0	0	0	0	0	0	28.9	28.9	26.9	28.9	28.0	33.2
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	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	3.33
17 PGE to PPL PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.99
18 PPL to BPA-P NSP SOut	4.13	4.12	4.57	5.11	3.80	3.24	2.50	2.40	4.58	5.22	5.22	4.81	6.56	5.37	4.36
19 PPL to BPA-P SNX SprgRtn	0	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	0
21 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SCL to POPD PwrS LTFirm	40.6	40.6	42.6	42.9	41.8	39.5	41.8	42.0	39.5	42.1	42.1	39.2	43.3	41.7	41.4
23 Total Intra-Regional Transfers	287	287	268	125	122	119	121	119	115	155	155	165	181	181	163
Intra-Regional Contracts Out															
24 Federal Entities	14.8	14.8	13.7	13.9	18.6	16.9	16.6	16.1	11.7	14.2	14.2	14.5	14.4	15.8	15.1
25 Investor Owned Utilities	19.4	19.4	19.0	19.1	13.9	13.4	12.9	12.7	14.9	19.0	19.0	19.1	21.3	20.7	17.1
26 Marketer	169	169	167	25.0	25.0	25.0	25.0	25.0	25.0	53.9	53.9	51.9	53.9	53.0	58.2
27 Municipality	56.4	56.4	44.1	44.1	43.0	40.7	43.0	43.2	40.7	43.3	43.3	52.3	63.0	62.7	48.1
28 Public Utility District	27.5	27.5	24.6	22.6	21.3	22.9	23.3	22.1	22.5	25.0	25.0	27.3	28.6	28.5	24.7
29 Total Regional Contracts Out	287	287	268	125	122	119	121	119	115	155	155	165	181	181	163
Intra-Regional Contracts In															
30 Federal Entities	169	169	167	25.7	20.7	20.1	19.4	19.3	21.5	54.7	54.7	52.3	56.1	54.0	56.6

Regional: Intra-Regional Transfers

Operating Year 2020

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
³¹ Investor Owned Utilities	33.8	33.8	15.4	13.3	16.8	16.7	16.8	15.0	11.0	16.0	16.0	30.6	38.4	40.9	22.1
³² Marketer	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
³³ Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
³⁴ Public Utility District	65.6	65.6	67.6	67.9	66.8	64.5	66.8	67.0	64.5	67.1	67.1	64.2	68.3	66.7	66.4
³⁵ Total Regional Contracts In	287	287	268	125	122	119	121	119	115	155	155	165	181	181	163

Regional: Intra-Regional Transfers
Operating Year 2021
2017 White Book Report Date: 6/1/2017
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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Intra-Regional Transfers															
Contracts	172	170	154	120	113	112	115	114	108	145	145	155	170	141	135
1 AVWP to BPA-P Setl WNP3 Rtn	0	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	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	9.44
4 BPA-P to PPL NSP RIn	5.37	5.36	4.28	4.41	0	0	0	0	0	0	0	0	0	0	1.18
5 BPA-P to PPL SNX SprgDel	0	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	0
7 BPA-P to PSE Ops UBkr Repl	0	0	0	0	3.74	3.92	3.77	4.01	0	0	0	0	0	0	1.27
8 BPA-P to PSE Setl WNP3 Del	0	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	5.47
10 GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	7.90	6.60	8.20	8.60	7.40	7.80	10.3	10.3	12.6	13.9	13.8	10.0
11 GHPD to GHP PwrS LTFirm	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
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	9.66
13 Other Entities to BPA-P	28.9	27.1	27.8	0	0	0	0	0	0	28.9	28.9	26.9	28.9	0	11.7
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	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	3.33
16 PGE to PPL PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.99
17 PPL to BPA-P NSP SOut	4.12	4.15	4.56	0	0	0	0	0	0	0	0	0	0	0	0.73
18 PPL to BPA-P SNX SprgRtn	0	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	0
20 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to POPD PwrS LTFirm	40.6	40.6	42.6	42.9	41.8	39.5	41.8	42.0	39.5	42.1	42.1	39.2	43.3	41.7	41.4
22 Total Intra-Regional Transfers	172	170	154	120	113	112	115	114	108	145	145	155	170	141	135
Intra-Regional Contracts Out															
23 Federal Entities	14.8	14.8	13.7	13.8	13.2	13.4	13.2	13.4	9.44	9.44	9.44	9.44	9.44	9.44	11.9
24 Investor Owned Utilities	19.4	19.4	18.9	14.0	10.1	10.2	10.4	10.3	10.3	13.8	13.8	14.3	14.7	15.3	13.5
25 Marketer	53.9	52.1	52.8	25.0	25.0	25.0	25.0	25.0	25.0	53.9	53.9	51.9	53.9	25.0	36.7
26 Municipality	56.4	56.4	44.1	44.1	43.0	40.7	43.0	43.2	40.7	43.3	43.3	52.3	63.0	62.7	48.1
27 Public Utility District	27.5	27.5	24.6	22.6	21.3	22.9	23.3	22.1	22.5	25.0	25.0	27.3	28.6	28.5	24.7
28 Total Regional Contracts Out	172	170	154	120	113	112	115	114	108	145	145	155	170	141	135
Intra-Regional Contracts In															
29 Federal Entities	53.6	51.9	53.0	20.6	16.9	16.9	16.9	16.9	16.9	49.5	49.5	47.5	49.5	20.6	31.5
30 Investor Owned Utilities	33.8	33.8	15.4	13.3	11.3	13.1	13.4	12.3	8.80	11.3	11.3	25.5	33.4	34.6	18.9

Regional: Intra-Regional Transfers

Operating Year 2021

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

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
³¹ Marketer	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
³² Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
³³ Public Utility District	65.6	65.6	67.6	67.9	66.8	64.5	66.8	67.0	64.5	67.1	67.1	64.2	68.3	66.7	66.4
³⁴ Total Regional Contracts In	172	170	154	120	113	112	115	114	108	145	145	155	170	141	135

Regional: Intra-Regional Transfers
Operating Year 2022
2017 White Book Report Date: 6/1/2017
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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Intra-Regional Transfers															
Contracts	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121
1 AVWP to BPA-P Setl WNP3 Rtn	0	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	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	9.44
4 BPA-P to PPL NSP RIn	0	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	0
6 BPA-P to PPL SNX SumrDel	0	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	3.89	3.92	3.77	4.01	0	0	0	0	0	0	1.28
8 BPA-P to PSE Setl WNP3 Del	0	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	5.47
10 GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	7.90	6.60	8.20	8.60	7.20	7.80	10.3	10.3	12.6	13.9	13.8	9.99
11 GHPD to GHP PwrS LTFirm	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
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	9.66
13 Other Entities to BPA-P	0	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	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	3.33
16 PGE to PPL PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.99
17 PPL to BPA-P NSP SOut	0	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	0
19 PPL to BPA-P SNX SumrRtn	0	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	0
21 SCL to POPD PwrS LTFirm	40.6	40.6	42.6	42.9	41.8	39.5	41.8	42.0	39.5	42.1	42.1	39.2	43.3	41.7	41.4
22 Total Intra-Regional Transfers	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121
Intra-Regional Contracts Out															
23 Federal Entities	9.44	9.44	9.44	9.44	13.3	13.4	13.2	13.4	9.44	9.44	9.44	9.44	9.44	9.44	10.7
24 Investor Owned Utilities	15.3	15.3	14.4	14.0	10.1	10.2	10.4	10.3	10.3	13.8	13.8	14.3	14.7	15.3	12.8
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	25.0
26 Municipality	56.4	56.4	44.1	44.1	43.0	40.7	43.0	43.2	40.7	43.3	43.3	52.3	63.0	62.7	48.1
27 Public Utility District	27.5	27.5	24.6	22.6	21.3	22.9	23.3	21.9	22.5	25.0	25.0	27.3	28.6	28.5	24.7
28 Total Regional Contracts Out	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121
Intra-Regional Contracts In															
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	19.1
30 Investor Owned Utilities	28.4	28.4	11.2	8.90	11.5	13.1	13.4	12.1	8.80	11.3	11.3	25.5	33.4	34.6	17.7

Regional: Intra-Regional Transfers

Operating Year 2022

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

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
³¹ Marketer	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
³² Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
³³ Public Utility District	65.6	65.6	67.6	67.9	66.8	64.5	66.8	67.0	64.5	67.1	67.1	64.2	68.3	66.7	66.4
³⁴ Total Regional Contracts In	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Intra-Regional Transfers															
Contracts	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121
1 AVWP to BPA-P Setl WNP3 Rtn	0	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	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	9.44
4 BPA-P to PPL NSP RIn	0	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	0
6 BPA-P to PPL SNX SumrDel	0	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	3.89	3.92	3.77	4.01	0	0	0	0	0	0	1.28
8 BPA-P to PSE Setl WNP3 Del	0	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	5.47
10 GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	7.90	6.60	8.20	8.60	7.40	7.80	10.3	10.3	12.6	13.9	13.8	10.0
11 GHPD to GHP PwrS LTFirm	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
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	9.66
13 Other Entities to BPA-P	0	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	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	3.33
16 PGE to PPL PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.99
17 PPL to BPA-P NSP SOut	0	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	0
19 PPL to BPA-P SNX SumrRtn	0	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	0
21 SCL to POPD PwrS LTFirm	40.6	40.6	42.6	42.9	41.8	39.5	41.8	42.0	39.5	42.1	42.1	39.2	43.3	41.7	41.4
22 Total Intra-Regional Transfers	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121
Intra-Regional Contracts Out															
23 Federal Entities	9.44	9.44	9.44	9.44	13.3	13.4	13.2	13.4	9.44	9.44	9.44	9.44	9.44	9.44	10.7
24 Investor Owned Utilities	15.3	15.3	14.4	14.0	10.1	10.2	10.4	10.3	10.3	13.8	13.8	14.3	14.7	15.3	12.8
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	25.0
26 Municipality	56.4	56.4	44.1	44.1	43.0	40.7	43.0	43.2	40.7	43.3	43.3	52.3	63.0	62.7	48.1
27 Public Utility District	27.5	27.5	24.6	22.6	21.3	22.9	23.3	22.1	22.5	25.0	25.0	27.3	28.6	28.5	24.7
28 Total Regional Contracts Out	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121
Intra-Regional Contracts In															
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	19.1
30 Investor Owned Utilities	28.4	28.4	11.2	8.90	11.5	13.1	13.4	12.3	8.80	11.3	11.3	25.5	33.4	34.6	17.7

Regional: Intra-Regional Transfers

Operating Year 2023

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

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
³¹ Marketer	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
³² Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
³³ Public Utility District	65.6	65.6	67.6	67.9	66.8	64.5	66.8	67.0	64.5	67.1	67.1	64.2	68.3	66.7	66.4
³⁴ Total Regional Contracts In	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Intra-Regional Transfers															
Contracts	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121
1 AVWP to BPA-P Setl WNP3 Rtn	0	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	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	9.44
4 BPA-P to PPL NSP RIn	0	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	0
6 BPA-P to PPL SNX SumrDel	0	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	3.89	3.77	3.92	4.03	0	0	0	0	0	0	1.29
8 BPA-P to PSE Setl WNP3 Del	0	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	5.46
10 GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	7.90	6.60	8.20	8.60	7.40	7.80	10.3	10.3	12.6	13.9	13.8	10.00
11 GHPD to GHP PwrS LTFirm	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
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	9.65
13 Other Entities to BPA-P	0	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	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	3.33
16 PGE to PPL PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.99
17 PPL to BPA-P NSP SOut	0	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	0
19 PPL to BPA-P SNX SumrRtn	0	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	0
21 SCL to POPD PwrS LTFirm	40.6	40.6	42.6	42.9	41.8	39.5	41.8	42.0	39.5	42.1	42.1	39.2	43.3	41.7	41.4
22 Total Intra-Regional Transfers	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121
Intra-Regional Contracts Out															
23 Federal Entities	9.44	9.44	9.44	9.44	13.3	13.2	13.4	13.5	9.44	9.44	9.44	9.44	9.44	9.44	10.7
24 Investor Owned Utilities	15.3	15.3	14.4	14.0	10.1	10.2	10.4	10.3	10.3	13.8	13.8	14.3	14.7	15.3	12.8
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	25.0
26 Municipality	56.4	56.4	44.1	44.1	43.0	40.7	43.0	43.2	40.7	43.3	43.3	52.3	63.0	62.7	48.1
27 Public Utility District	27.5	27.5	24.6	22.6	21.3	22.9	23.3	22.1	22.5	25.0	25.0	27.3	28.6	28.5	24.7
28 Total Regional Contracts Out	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121
Intra-Regional Contracts In															
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	19.1
30 Investor Owned Utilities	28.4	28.4	11.2	8.90	11.5	13.0	13.5	12.3	8.80	11.3	11.3	25.5	33.4	34.6	17.7

Regional: Intra-Regional Transfers

Operating Year 2024

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

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
³¹ Marketer	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
³² Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
³³ Public Utility District	65.6	65.6	67.6	67.9	66.8	64.5	66.8	67.0	64.5	67.1	67.1	64.2	68.3	66.7	66.4
³⁴ Total Regional Contracts In	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Intra-Regional Transfers															
Contracts	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121
1 AVWP to BPA-P Setl WNP3 Rtn	0	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	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	9.44
4 BPA-P to PPL NSP RIn	0	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	0
6 BPA-P to PPL SNX SumrDel	0	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	3.89	3.77	3.92	4.01	0	0	0	0	0	0	1.28
8 BPA-P to PSE Setl WNP3 Del	0	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	5.47
10 GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	7.90	6.60	8.20	8.60	7.40	7.80	10.3	10.3	12.6	13.9	13.8	10.0
11 GHPD to GHP PwrS LTFirm	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
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	9.66
13 Other Entities to BPA-P	0	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	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	3.33
16 PGE to PPL PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.99
17 PPL to BPA-P NSP SOut	0	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	0
19 PPL to BPA-P SNX SumrRtn	0	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	0
21 SCL to POPD PwrS LTFirm	40.6	40.6	42.6	42.9	41.8	39.5	41.8	42.0	39.5	42.1	42.1	39.2	43.3	41.7	41.4
22 Total Intra-Regional Transfers	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121
Intra-Regional Contracts Out															
23 Federal Entities	9.44	9.44	9.44	9.44	13.3	13.2	13.4	13.4	9.44	9.44	9.44	9.44	9.44	9.44	10.7
24 Investor Owned Utilities	15.3	15.3	14.4	14.0	10.1	10.2	10.4	10.3	10.3	13.8	13.8	14.3	14.7	15.3	12.8
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	25.0
26 Municipality	56.4	56.4	44.1	44.1	43.0	40.7	43.0	43.2	40.7	43.3	43.3	52.3	63.0	62.7	48.1
27 Public Utility District	27.5	27.5	24.6	22.6	21.3	22.9	23.3	22.1	22.5	25.0	25.0	27.3	28.6	28.5	24.7
28 Total Regional Contracts Out	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121
Intra-Regional Contracts In															
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	19.1
30 Investor Owned Utilities	28.4	28.4	11.2	8.90	11.5	13.0	13.5	12.3	8.80	11.3	11.3	25.5	33.4	34.6	17.7

Regional: Intra-Regional Transfers

Operating Year 2025

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

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
³¹ Marketer	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
³² Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
³³ Public Utility District	65.6	65.6	67.6	67.9	66.8	64.5	66.8	67.0	64.5	67.1	67.1	64.2	68.3	66.7	66.4
³⁴ Total Regional Contracts In	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Intra-Regional Transfers															
Contracts	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121
1 AVWP to BPA-P Setl WNP3 Rtn	0	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	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	9.44
4 BPA-P to PPL NSP RIn	0	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	0
6 BPA-P to PPL SNX SumrDel	0	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	3.74	3.92	3.92	4.01	0	0	0	0	0	0	1.28
8 BPA-P to PSE Setl WNP3 Del	0	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	5.47
10 GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	7.90	6.60	8.20	8.60	7.20	7.80	10.3	10.3	12.6	13.9	13.8	9.99
11 GHPD to GHP PwrS LTFirm	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
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	9.66
13 Other Entities to BPA-P	0	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	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	3.33
16 PGE to PPL PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.99
17 PPL to BPA-P NSP SOut	0	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	0
19 PPL to BPA-P SNX SumrRtn	0	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	0
21 SCL to POPD PwrS LTFirm	40.6	40.6	42.6	42.9	41.8	39.5	41.8	42.0	39.5	42.1	42.1	39.2	43.3	41.7	41.4
22 Total Intra-Regional Transfers	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121
Intra-Regional Contracts Out															
23 Federal Entities	9.44	9.44	9.44	9.44	13.2	13.4	13.4	13.4	9.44	9.44	9.44	9.44	9.44	9.44	10.7
24 Investor Owned Utilities	15.3	15.3	14.4	14.0	10.1	10.2	10.4	10.3	10.3	13.8	13.8	14.3	14.7	15.3	12.8
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	25.0
26 Municipality	56.4	56.4	44.1	44.1	43.0	40.7	43.0	43.2	40.7	43.3	43.3	52.3	63.0	62.7	48.1
27 Public Utility District	27.5	27.5	24.6	22.6	21.3	22.9	23.3	21.9	22.5	25.0	25.0	27.3	28.6	28.5	24.7
28 Total Regional Contracts Out	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121
Intra-Regional Contracts In															
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	19.1
30 Investor Owned Utilities	28.4	28.4	11.2	8.90	11.3	13.1	13.5	12.1	8.80	11.3	11.3	25.5	33.4	34.6	17.7

Regional: Intra-Regional Transfers

Operating Year 2026

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
³¹ Marketer	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
³² Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
³³ Public Utility District	65.6	65.6	67.6	67.9	66.8	64.5	66.8	67.0	64.5	67.1	67.1	64.2	68.3	66.7	66.4
³⁴ Total Regional Contracts In	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Intra-Regional Transfers															
Contracts	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121
1 AVWP to BPA-P Setl WNP3 Rtn	0	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	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	9.44
4 BPA-P to PPL NSP RIn	0	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	0
6 BPA-P to PPL SNX SumrDel	0	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	3.74	3.92	3.77	4.01	0	0	0	0	0	0	1.27
8 BPA-P to PSE Setl WNP3 Del	0	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	5.47
10 GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	7.90	6.60	8.20	8.60	7.40	7.80	10.3	10.3	12.6	13.9	13.8	10.0
11 GHPD to GHP PwrS LTFirm	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
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	9.66
13 Other Entities to BPA-P	0	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	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	3.33
16 PGE to PPL PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.99
17 PPL to BPA-P NSP SOut	0	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	0
19 PPL to BPA-P SNX SumrRtn	0	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	0
21 SCL to POPD PwrS LTFirm	40.6	40.6	42.6	42.9	41.8	39.5	41.8	42.0	39.5	42.1	42.1	39.2	43.3	41.7	41.4
22 Total Intra-Regional Transfers	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121
Intra-Regional Contracts Out															
23 Federal Entities	9.44	9.44	9.44	9.44	13.2	13.4	13.2	13.4	9.44	9.44	9.44	9.44	9.44	9.44	10.7
24 Investor Owned Utilities	15.3	15.3	14.4	14.0	10.1	10.2	10.4	10.3	10.3	13.8	13.8	14.3	14.7	15.3	12.8
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	25.0
26 Municipality	56.4	56.4	44.1	44.1	43.0	40.7	43.0	43.2	40.7	43.3	43.3	52.3	63.0	62.7	48.1
27 Public Utility District	27.5	27.5	24.6	22.6	21.3	22.9	23.3	22.1	22.5	25.0	25.0	27.3	28.6	28.5	24.7
28 Total Regional Contracts Out	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121
Intra-Regional Contracts In															
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	19.1
30 Investor Owned Utilities	28.4	28.4	11.2	8.90	11.3	13.1	13.4	12.3	8.80	11.3	11.3	25.5	33.4	34.6	17.7

Regional: Intra-Regional Transfers

Operating Year 2027

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
³¹ Marketer	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
³² Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
³³ Public Utility District	65.6	65.6	67.6	67.9	66.8	64.5	66.8	67.0	64.5	67.1	67.1	64.2	68.3	66.7	66.4
³⁴ Total Regional Contracts In	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Intra-Regional Transfers															
Contracts	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121
1 AVWP to BPA-P Setl WNP3 Rtn	0	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	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	9.44
4 BPA-P to PPL NSP RIn	0	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	0
6 BPA-P to PPL SNX SumrDel	0	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	3.89	3.92	3.77	4.03	0	0	0	0	0	0	1.29
8 BPA-P to PSE Setl WNP3 Del	0	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	5.46
10 GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	7.90	6.60	8.20	8.60	7.40	7.80	10.3	10.3	12.6	13.9	13.8	10.00
11 GHPD to GHP PwrS LTFirm	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
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	9.65
13 Other Entities to BPA-P	0	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	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	3.33
16 PGE to PPL PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.99
17 PPL to BPA-P NSP SOut	0	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	0
19 PPL to BPA-P SNX SumrRtn	0	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	0
21 SCL to POPD PwrS LTFirm	40.6	40.6	42.6	42.9	41.8	39.5	41.8	42.0	39.5	42.1	42.1	39.2	43.3	41.7	41.4
22 Total Intra-Regional Transfers	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121
Intra-Regional Contracts Out															
23 Federal Entities	9.44	9.44	9.44	9.44	13.3	13.4	13.2	13.5	9.44	9.44	9.44	9.44	9.44	9.44	10.7
24 Investor Owned Utilities	15.3	15.3	14.4	14.0	10.1	10.2	10.4	10.3	10.3	13.8	13.8	14.3	14.7	15.3	12.8
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	25.0
26 Municipality	56.4	56.4	44.1	44.1	43.0	40.7	43.0	43.2	40.7	43.3	43.3	52.3	63.0	62.7	48.1
27 Public Utility District	27.5	27.5	24.6	22.6	21.3	22.9	23.3	22.1	22.5	25.0	25.0	27.3	28.6	28.5	24.7
28 Total Regional Contracts Out	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121
Intra-Regional Contracts In															
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	19.1
30 Investor Owned Utilities	28.4	28.4	11.2	8.90	11.5	13.1	13.4	12.3	8.80	11.3	11.3	25.5	33.4	34.6	17.7

Regional: Intra-Regional Transfers

Operating Year 2028

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
³¹ Marketer	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
³² Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
³³ Public Utility District	65.6	65.6	67.6	67.9	66.8	64.5	66.8	67.0	64.5	67.1	67.1	64.2	68.3	66.7	66.4
³⁴ Total Regional Contracts In	134	134	117	115	113	112	115	114	108	117	117	128	141	141	121

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Exhibit 25
BPA Sales to Preference and Legacy Customers

Monthly Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Pacific Northwest															
1 DSI Obligation	87.5	87.5	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
2 Direct Service Industry	87.5	87.5	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
3 Load Following	3218	3222	2936	2895	3459	3897	3858	3651	3189	3063	3063	2990	3124	3349	3301
4 Cooperative	1928	1930	1690	1583	1862	2124	2087	1982	1723	1699	1699	1743	1878	2035	1861
5 Municipality	511	511	474	484	591	659	665	625	541	512	512	473	481	514	544
6 Public Utility District	677	678	677	717	865	950	946	896	797	739	739	669	657	679	772
7 Federal Entities	102	102	95.8	112	141	165	160	148	128	112	112	105	108	120	125
8 Slice Block	1338	1338	1289	1379	1601	1829	1822	1676	1550	1439	1439	1386	1355	1422	1507
9 Municipality	271	271	272	280	332	403	400	382	370	327	327	279	269	294	323
10 Public Utility District	1067	1067	1017	1098	1269	1426	1422	1295	1180	1112	1112	1107	1086	1128	1184
11 Slice Output from T1 System	1702	1495	1460	1419	1830	1732	1374	1470	1518	1385	1478	1971	1564	1406	1565
12 Municipality	397	349	341	331	427	404	321	343	354	323	345	460	365	328	365
13 Public Utility District	1305	1146	1120	1088	1403	1328	1053	1127	1164	1062	1133	1511	1199	1078	1200
14 Tier 1 Block	343	343	578	485	795	782	849	799	765	382	382	121	0	291	515
15 Municipality	343	343	578	485	795	782	849	799	765	382	382	121	0	291	515
16 Public Utility District	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 USBR Obligation	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
18 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
Total Power Sales Contracts															
19 Cooperative	1928	1930	1690	1583	1862	2124	2087	1982	1723	1699	1699	1743	1878	2035	1861
20 Direct Service Industry	87.5	87.5	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
21 Federal Entities	102	102	95.8	112	141	165	160	148	128	112	112	105	108	120	125
22 Municipality	1521	1474	1664	1580	2145	2249	2235	2148	2030	1545	1567	1333	1115	1428	1747
23 Public Utility District	3049	2892	2813	2903	3538	3703	3421	3317	3141	2913	2984	3286	2942	2885	3155
24 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
25 Total Power Sales Contracts	6999	6795	6613	6374	7793	8349	8001	7698	7177	6611	6704	6887	6479	6955	7155

BPA Sales to Preference and Legacy Customers
Operating Year 2017 Water Year: 1937
2017 White Book Report Date: 6/1/2017 *Continued*

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Pacific Northwest															
1 DSI Obligation	87.5	87.5	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
2 Direct Service Industry	87.5	87.5	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
3 Load Following	3251	3256	2964	2908	3474	3913	3930	3682	3258	3132	3132	3061	3197	3424	3350
4 Cooperative	1938	1940	1699	1595	1874	2137	2104	1970	1738	1714	1714	1761	1901	2058	1874
5 Municipality	512	512	474	479	587	655	714	668	588	560	560	521	526	561	570
6 Public Utility District	686	686	682	712	862	946	942	887	794	735	735	664	652	675	770
7 Federal Entities	116	116	110	122	151	175	170	156	139	123	123	115	118	130	135
8 Slice Block	1388	1388	1338	1338	1552	1768	1758	1563	1498	1398	1398	1349	1326	1381	1472
9 Municipality	288	288	289	271	321	390	386	356	358	316	316	270	260	284	316
10 Public Utility District	1100	1100	1049	1067	1231	1378	1372	1207	1140	1082	1082	1079	1066	1097	1156
11 Slice Output from T1 System	1703	1497	1461	1349	1834	1777	1462	1520	1507	1390	1316	2103	1771	1518	1605
12 Municipality	398	349	341	320	435	421	347	361	357	330	312	499	420	360	380
13 Public Utility District	1306	1148	1120	1029	1399	1355	1115	1160	1150	1060	1004	1604	1351	1158	1225
14 Tier 1 Block	346	346	583	511	827	822	893	810	802	405	405	136	9.29	314	538
15 Municipality	346	346	583	492	806	794	862	783	776	388	388	123	0	295	520
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	17.5
17 USBR Obligation	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	179
18 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	179
Total Power Sales Contracts															
19 Cooperative	1938	1940	1699	1595	1874	2137	2104	1970	1738	1714	1714	1761	1901	2058	1874
20 Direct Service Industry	87.5	87.5	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
21 Federal Entities	116	116	110	122	151	175	170	156	139	123	123	115	118	130	135
22 Municipality	1542	1495	1687	1562	2150	2260	2308	2168	2080	1594	1576	1412	1206	1501	1786
23 Public Utility District	3092	2934	2851	2827	3513	3708	3460	3280	3109	2895	2839	3361	3079	2949	3168
24 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	179
25 Total Power Sales Contracts	7086	6883	6697	6302	7795	8389	8141	7678	7220	6668	6594	7069	6740	7124	7231

BPA Sales to Preference and Legacy Customers
Operating Year 20&1 Water Year: 1937
2017 White Book Report Date: 6/1/2017 *Continued*

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Pacific Northwest															
1 DSI Obligation	87.7	87.4	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
2 Direct Service Industry	87.7	87.4	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
3 Load Following	3343	3306	3036	2983	3550	3990	3956	3749	3267	3138	3138	3085	3222	3450	3395
4 Cooperative	1972	1947	1719	1608	1887	2150	2116	2011	1748	1726	1726	1772	1914	2072	1890
5 Municipality	560	554	519	530	640	708	716	676	590	562	562	523	528	564	592
6 Public Utility District	685	679	678	722	871	956	952	902	788	727	727	674	662	684	774
7 Federal Entities	127	126	120	123	152	176	171	161	140	124	124	116	119	131	138
8 Slice Block	1352	1352	1301	1375	1594	1816	1806	1663	1539	1436	1436	1385	1361	1418	1503
9 Municipality	278	278	280	278	330	401	397	379	367	325	325	277	267	292	322
10 Public Utility District	1074	1074	1022	1096	1265	1415	1409	1284	1171	1111	1111	1108	1094	1125	1181
11 Slice Output from T1 System	1596	1450	1347	1347	1831	1776	1460	1519	1507	1387	1314	1940	1530	1516	1554
12 Municipality	379	344	320	319	434	421	346	360	357	329	312	460	363	360	369
13 Public Utility District	1218	1106	1028	1028	1396	1355	1114	1159	1149	1058	1002	1480	1167	1156	1186
14 Tier 1 Block	366	364	608	511	827	822	893	839	802	405	405	136	9.54	315	543
15 Municipality	352	350	591	492	806	793	861	810	776	388	388	123	0	295	522
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	9.54	19.4	20.6
17 USBR Obligation	306	313	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
18 USBR	306	313	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
Total Power Sales Contracts															
19 Cooperative	1972	1947	1719	1608	1887	2150	2116	2011	1748	1726	1726	1772	1914	2072	1890
20 Direct Service Industry	87.7	87.4	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
21 Federal Entities	127	126	120	123	152	176	171	161	140	124	124	116	119	131	138
22 Municipality	1568	1526	1709	1620	2210	2323	2320	2226	2091	1603	1586	1383	1158	1510	1806
23 Public Utility District	2991	2874	2744	2865	3554	3755	3506	3373	3135	2914	2858	3275	2932	2985	3162
24 USBR	306	313	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
25 Total Power Sales Contracts	7052	6874	6643	6411	7910	8514	8212	7872	7268	6709	6636	6966	6559	7185	7263

BPA Sales to Preference and Legacy Customers
Operating Year 20&& Water Year: 1937
2017 White Book Report Date: 6/1/2017 *Continued*

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Pacific Northwest															
1 DSI Obligation	87.3	87.7	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
2 Direct Service Industry	87.3	87.7	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
3 Load Following	3320	3378	3060	3001	3571	4013	3974	3766	3297	3168	3168	3097	3235	3464	3415
4 Cooperative	1951	1992	1732	1616	1896	2161	2123	2016	1754	1728	1728	1774	1916	2075	1897
5 Municipality	555	563	521	531	641	709	718	678	592	563	563	524	529	565	594
6 Public Utility District	686	695	686	732	881	966	962	912	812	754	754	683	671	693	786
7 Federal Entities	127	128	121	123	152	176	172	161	140	124	124	116	119	131	138
8 Slice Block	1388	1388	1336	1343	1558	1775	1764	1625	1503	1403	1403	1354	1330	1385	1480
9 Municipality	286	286	287	271	321	390	386	369	357	316	316	270	260	284	316
10 Public Utility District	1103	1103	1049	1072	1237	1385	1378	1256	1146	1087	1087	1084	1070	1101	1164
11 Slice Output from T1 System	1621	1445	1346	1347	1833	1777	1461	1520	1508	1388	1314	2100	1767	1536	1590
12 Municipality	384	343	319	319	435	421	346	360	358	329	312	498	419	364	377
13 Public Utility District	1236	1102	1027	1028	1398	1356	1114	1159	1150	1059	1002	1602	1348	1172	1213
14 Tier 1 Block	364	367	608	510	827	821	892	838	801	405	405	136	9.27	314	542
15 Municipality	349	352	591	492	806	793	861	810	776	388	388	123	0	295	522
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	9.27	18.9	20.1
17 USBR Obligation	315	305	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
18 USBR	315	305	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
Total Power Sales Contracts															
19 Cooperative	1951	1992	1732	1616	1896	2161	2123	2016	1754	1728	1728	1774	1916	2075	1897
20 Direct Service Industry	87.3	87.7	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
21 Federal Entities	127	128	121	123	152	176	172	161	140	124	124	116	119	131	138
22 Municipality	1574	1543	1718	1613	2202	2314	2311	2217	2082	1596	1578	1414	1208	1509	1809
23 Public Utility District	3040	2914	2779	2850	3537	3734	3485	3355	3134	2917	2860	3382	3098	2985	3183
24 USBR	315	305	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
25 Total Power Sales Contracts	7094	6970	6700	6397	7896	8495	8189	7851	7263	6707	6632	7106	6778	7186	7295

BPA Sales to Preference and Legacy Customers
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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Pacific Northwest															
1 DSI Obligation	87.5	87.5	87.4	88.0	87.8	87.7	87.9	87.5	87.6	88.1	87.8	87.4	87.3	87.2	87.6
2 Direct Service Industry	87.5	87.5	87.4	88.0	87.8	87.7	87.9	87.5	87.6	88.1	87.8	87.4	87.3	87.2	87.6
3 Load Following	3360	3366	3072	3013	3585	4027	3989	3780	3311	3209	3155	3110	3249	3478	3429
4 Cooperative	1973	1978	1734	1618	1900	2165	2126	2019	1757	1751	1710	1777	1920	2079	1900
5 Municipality	560	561	521	532	643	711	721	680	594	568	562	525	531	567	596
6 Public Utility District	699	700	696	741	891	976	971	921	822	766	760	692	680	702	796
7 Federal Entities	127	128	121	122	152	176	171	160	139	123	123	115	118	130	138
8 Slice Block	1356	1356	1305	1380	1601	1824	1813	1669	1545	1441	1441	1390	1366	1422	1509
9 Municipality	278	278	280	278	329	400	396	378	366	324	324	276	266	292	322
10 Public Utility District	1078	1078	1026	1102	1272	1424	1417	1291	1178	1117	1117	1114	1100	1131	1187
11 Slice Output from T1 System	1620	1447	1345	1343	1827	1773	1458	1516	1503	1377	1310	1934	1524	1509	1551
12 Municipality	384	343	319	318	433	420	346	359	356	327	311	459	361	358	368
13 Public Utility District	1235	1104	1026	1024	1394	1352	1112	1156	1147	1051	999	1475	1162	1151	1183
14 Tier 1 Block	365	365	607	511	827	822	893	839	802	407	404	136	9.53	315	543
15 Municipality	350	351	591	492	806	793	861	810	776	389	386	123	0	295	522
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	20.5
17 USBR Obligation	310	309	263	108	19.8	21.3	10.4	14.9	66.6	253	256	332	349	400	180
18 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	253	256	332	349	400	180
Total Power Sales Contracts															
19 Cooperative	1973	1978	1734	1618	1900	2165	2126	2019	1757	1751	1710	1777	1920	2079	1900
20 Direct Service Industry	87.5	87.5	87.4	88.0	87.8	87.7	87.9	87.5	87.6	88.1	87.8	87.4	87.3	87.2	87.6
21 Federal Entities	127	128	121	122	152	176	171	160	139	123	123	115	118	130	138
22 Municipality	1572	1532	1711	1620	2211	2324	2323	2228	2092	1607	1583	1384	1159	1512	1807
23 Public Utility District	3028	2897	2764	2886	3578	3781	3533	3398	3173	2952	2894	3295	2951	3004	3187
24 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	253	256	332	349	400	180
25 Total Power Sales Contracts	7098	6931	6680	6443	7948	8555	8251	7907	7315	6775	6654	6990	6584	7211	7299

BPA Sales to Preference and Legacy Customers
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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Pacific Northwest															
1 DSI Obligation	87.5	87.5	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
2 Direct Service Industry	87.5	87.5	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
3 Load Following	3374	3381	3086	3029	3602	4046	4006	3752	3326	3196	3196	3124	3263	3494	3442
4 Cooperative	1977	1982	1737	1623	1905	2171	2133	1994	1762	1735	1735	1782	1925	2085	1903
5 Municipality	562	563	523	533	644	713	721	676	594	565	565	526	531	567	596
6 Public Utility District	708	709	705	750	900	985	981	925	831	773	773	701	689	711	805
7 Federal Entities	127	127	121	122	152	176	172	157	139	123	123	116	118	130	138
8 Slice Block	1393	1393	1341	1353	1569	1787	1777	1580	1513	1412	1412	1363	1339	1394	1485
9 Municipality	285	285	287	271	320	389	386	356	357	316	316	269	260	284	315
10 Public Utility District	1108	1108	1054	1082	1248	1397	1391	1223	1156	1096	1096	1093	1079	1110	1170
11 Slice Output from T1 System	1617	1444	1342	1343	1828	1772	1460	1516	1503	1381	1309	2098	1763	1534	1587
12 Municipality	384	342	318	319	433	420	346	360	356	328	310	497	418	364	376
13 Public Utility District	1234	1101	1024	1025	1394	1352	1114	1157	1146	1054	999	1600	1345	1170	1210
14 Tier 1 Block	365	365	608	511	829	823	894	811	803	406	406	136	9.29	315	542
15 Municipality	350	351	591	493	808	795	863	784	778	389	389	123	0	296	522
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	20.1
17 USBR Obligation	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	179
18 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	179
Total Power Sales Contracts															
19 Cooperative	1977	1982	1737	1623	1905	2171	2133	1994	1762	1735	1735	1782	1925	2085	1903
20 Direct Service Industry	87.5	87.5	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
21 Federal Entities	127	127	121	122	152	176	172	157	139	123	123	116	118	130	138
22 Municipality	1581	1541	1719	1616	2206	2318	2317	2175	2085	1597	1580	1416	1209	1511	1809
23 Public Utility District	3065	2933	2799	2875	3564	3763	3516	3333	3159	2940	2885	3407	3122	3010	3205
24 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	179
25 Total Power Sales Contracts	7147	6979	6726	6432	7935	8537	8235	7761	7299	6738	6665	7140	6810	7223	7322

BPA Sales to Preference and Legacy Customers
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2017 White Book Report Date: 6/1/2017 *Continued*

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Pacific Northwest															
1 DSI Obligation	87.5	87.5	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
2 Direct Service Industry	87.5	87.5	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
3 Load Following	3388	3396	3099	3042	3617	4062	4022	3824	3325	3196	3196	3141	3280	3510	3458
4 Cooperative	1981	1987	1742	1624	1907	2174	2134	2038	1762	1740	1740	1787	1930	2090	1909
5 Municipality	562	563	523	535	646	716	724	683	596	567	567	527	533	569	598
6 Public Utility District	717	718	714	759	910	995	990	940	826	764	764	710	697	719	811
7 Federal Entities	127	127	121	124	154	178	173	162	141	125	125	117	120	132	139
8 Slice Block	1365	1365	1314	1386	1608	1832	1821	1677	1552	1448	1448	1397	1371	1428	1516
9 Municipality	278	278	280	281	333	404	400	382	371	328	328	280	269	295	325
10 Public Utility District	1087	1087	1034	1105	1275	1428	1421	1295	1181	1120	1120	1117	1102	1133	1191
11 Slice Output from T1 System	1618	1444	1342	1343	1827	1771	1459	1516	1502	1381	1308	1934	1522	1510	1551
12 Municipality	384	343	318	319	433	420	346	360	356	327	310	459	361	358	368
13 Public Utility District	1234	1102	1024	1025	1394	1351	1113	1157	1146	1053	998	1475	1161	1152	1183
14 Tier 1 Block	366	366	609	510	827	822	892	839	802	405	405	136	9.53	314	543
15 Municipality	351	351	592	492	806	793	861	810	776	387	387	123	0	295	522
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	20.6
17 USBR Obligation	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
18 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
Total Power Sales Contracts															
19 Cooperative	1981	1987	1742	1624	1907	2174	2134	2038	1762	1740	1740	1787	1930	2090	1909
20 Direct Service Industry	87.5	87.5	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
21 Federal Entities	127	127	121	124	154	178	173	162	141	125	125	117	120	132	139
22 Municipality	1575	1535	1713	1626	2218	2333	2331	2235	2098	1609	1592	1389	1164	1518	1813
23 Public Utility District	3053	2922	2788	2908	3600	3803	3556	3421	3179	2955	2900	3315	2970	3023	3206
24 USBR	310	309	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
25 Total Power Sales Contracts	7134	6968	6714	6478	7986	8596	8293	7958	7334	6772	6699	7027	6620	7250	7335

BPA Sales to Preference and Legacy Customers
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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Pacific Northwest															
1 DSI Obligation	87.7	87.4	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
2 Direct Service Industry	87.7	87.4	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
3 Load Following	3435	3379	3112	3054	3629	4074	4032	3833	3346	3218	3218	3144	3284	3514	3469
4 Cooperative	2011	1968	1745	1630	1913	2180	2140	2044	1768	1745	1745	1792	1936	2097	1915
5 Municipality	568	562	525	537	649	719	727	686	598	569	569	529	535	572	601
6 Public Utility District	727	721	719	764	913	997	991	940	839	779	779	705	692	714	814
7 Federal Entities	129	128	122	124	154	178	174	163	141	125	125	117	120	132	140
8 Slice Block	1399	1399	1346	1357	1574	1794	1783	1642	1519	1417	1417	1367	1342	1398	1494
9 Municipality	288	288	290	276	327	397	393	376	364	322	322	275	265	289	322
10 Public Utility District	1110	1110	1056	1081	1247	1397	1390	1266	1155	1095	1095	1093	1078	1108	1173
11 Slice Output from T1 System	1615	1445	1341	1344	1827	1772	1460	1517	1503	1381	1309	2097	1763	1534	1587
12 Municipality	383	343	318	319	433	420	346	360	356	328	310	497	418	364	376
13 Public Utility District	1232	1102	1023	1025	1394	1352	1114	1157	1146	1054	999	1600	1345	1170	1210
14 Tier 1 Block	366	364	608	510	827	821	892	838	801	405	405	136	9.26	314	542
15 Municipality	351	349	591	492	806	793	861	810	776	388	388	123	0	295	522
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	20.1
17 USBR Obligation	306	313	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
18 USBR	306	313	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
Total Power Sales Contracts															
19 Cooperative	2011	1968	1745	1630	1913	2180	2140	2044	1768	1745	1745	1792	1936	2097	1915
20 Direct Service Industry	87.7	87.4	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
21 Federal Entities	129	128	122	124	154	178	174	163	141	125	125	117	120	132	140
22 Municipality	1591	1543	1724	1623	2215	2329	2327	2231	2094	1606	1589	1424	1218	1520	1821
23 Public Utility District	3084	2948	2815	2888	3575	3774	3526	3392	3166	2945	2890	3411	3124	3011	3218
24 USBR	306	313	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
25 Total Power Sales Contracts	7209	6987	6757	6461	7965	8570	8265	7932	7323	6764	6692	7164	6834	7247	7360

BPA Sales to Preference and Legacy Customers
Operating Year 20&+ Water Year: 1937
2017 White Book Report Date: 6/1/2017 *Continued*

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Pacific Northwest															
1 DSI Obligation	87.7	87.4	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
2 Direct Service Industry	87.7	87.4	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
3 Load Following	3439	3383	3114	3057	3633	4079	4038	3838	3349	3222	3222	3148	3288	3519	3473
4 Cooperative	2017	1974	1751	1635	1919	2186	2147	2050	1773	1751	1751	1797	1942	2103	1920
5 Municipality	570	564	527	539	651	721	730	689	600	571	571	532	538	574	603
6 Public Utility District	722	716	714	759	908	992	987	936	834	774	774	701	688	709	810
7 Federal Entities	129	128	123	125	155	179	174	163	142	126	126	118	121	133	140
8 Slice Block	1369	1369	1318	1393	1616	1842	1831	1686	1560	1455	1455	1404	1378	1435	1523
9 Municipality	283	283	285	285	337	410	406	388	376	332	332	284	273	299	330
10 Public Utility District	1086	1086	1033	1108	1279	1432	1425	1298	1184	1123	1123	1120	1105	1136	1194
11 Slice Output from T1 System	1615	1446	1342	1343	1827	1772	1457	1513	1498	1374	1303	1927	1517	1504	1548
12 Municipality	383	343	318	318	433	420	346	359	355	326	309	457	360	357	367
13 Public Utility District	1232	1103	1024	1024	1394	1351	1111	1154	1143	1048	994	1470	1157	1147	1181
14 Tier 1 Block	366	364	607	511	827	822	893	839	802	405	405	136	9.53	315	543
15 Municipality	352	349	591	492	806	793	861	810	776	388	388	123	0	295	522
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	20.5
17 USBR Obligation	306	313	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
18 USBR	306	313	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
Total Power Sales Contracts															
19 Cooperative	2017	1974	1751	1635	1919	2186	2147	2050	1773	1751	1751	1797	1942	2103	1920
20 Direct Service Industry	87.7	87.4	87.4	88.0	87.8	87.7	87.9	87.5	87.6	87.9	87.9	87.4	87.3	87.2	87.6
21 Federal Entities	129	128	123	125	155	179	174	163	142	126	126	118	121	133	140
22 Municipality	1588	1540	1721	1634	2228	2345	2342	2245	2107	1617	1600	1395	1170	1525	1822
23 Public Utility District	3055	2919	2787	2910	3602	3805	3555	3417	3188	2963	2909	3305	2959	3012	3205
24 USBR	306	313	263	108	19.8	21.3	10.4	14.9	66.6	254	254	332	349	400	180
25 Total Power Sales Contracts	7183	6962	6732	6498	8011	8624	8316	7979	7364	6798	6727	7034	6628	7259	7355

BPA Sales to Preference and Legacy Customers
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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Pacific Northwest															
1 DSI Obligation	87.3	87.7	87.4	88.0	87.8	87.7	87.9	87.5	87.6	88.1	87.8	87.4	87.3	87.2	87.6
2 Direct Service Industry	87.3	87.7	87.4	88.0	87.8	87.7	87.9	87.5	87.6	88.1	87.8	87.4	87.3	87.2	87.6
3 Load Following	3374	3452	3117	3058	3636	4083	4046	3800	3355	3257	3195	3151	3291	3523	3475
4 Cooperative	1970	2030	1756	1640	1925	2193	2157	2029	1781	1784	1735	1806	1951	2113	1926
5 Municipality	565	573	529	541	654	725	735	688	605	578	573	536	542	579	606
6 Public Utility District	709	719	708	753	902	986	980	922	826	768	762	690	677	698	801
7 Federal Entities	129	130	123	125	155	180	175	161	142	126	126	118	121	133	141
8 Slice Block	1405	1405	1353	1366	1585	1807	1796	1597	1530	1427	1427	1377	1351	1407	1500
9 Municipality	292	292	294	280	332	403	399	368	369	327	327	279	269	294	325
10 Public Utility District	1113	1113	1059	1086	1254	1404	1397	1229	1161	1101	1101	1098	1083	1113	1175
11 Slice Output from T1 System	1615	1437	1337	1340	1823	1768	1458	1513	1499	1372	1306	2091	1757	1528	1582
12 Municipality	383	341	317	318	432	419	346	359	355	325	310	496	417	362	375
13 Public Utility District	1232	1096	1020	1022	1390	1349	1112	1154	1144	1046	996	1595	1340	1165	1207
14 Tier 1 Block	364	367	608	511	829	823	894	811	803	407	404	136	9.29	315	542
15 Municipality	349	352	591	493	808	795	863	784	778	390	387	123	0	296	522
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	20.1
17 USBR Obligation	315	305	263	108	19.8	21.3	10.4	14.9	66.6	253	256	332	349	400	179
18 USBR	315	305	263	108	19.8	21.3	10.4	14.9	66.6	253	256	332	349	400	179
Total Power Sales Contracts															
19 Cooperative	1970	2030	1756	1640	1925	2193	2157	2029	1781	1784	1735	1806	1951	2113	1926
20 Direct Service Industry	87.3	87.7	87.4	88.0	87.8	87.7	87.9	87.5	87.6	88.1	87.8	87.4	87.3	87.2	87.6
21 Federal Entities	129	130	123	125	155	180	175	161	142	126	126	118	121	133	141
22 Municipality	1590	1558	1731	1632	2226	2342	2343	2199	2108	1620	1596	1434	1227	1531	1829
23 Public Utility District	3069	2942	2804	2879	3567	3767	3520	3332	3155	2933	2876	3396	3109	2995	3203
24 USBR	315	305	263	108	19.8	21.3	10.4	14.9	66.6	253	256	332	349	400	179
25 Total Power Sales Contracts	7160	7053	6765	6471	7980	8590	8292	7824	7341	6804	6676	7174	6844	7259	7366

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Exhibit 26
Regional Regulated Hydro

Annual Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Regulated Hydro															
1 Albeni Falls Hydroelectric	18.5	16.8	21.1	29.8	23.7	15.7	13.4	14.4	14.5	6.39	22.7	30.8	30.3	18.1	20.4
2 Alder Hydroelectric	37.1	14.7	0	0	0	0.45	45.0	8.55	37.0	36.3	13.9	27.7	49.5	43.6	22.0
3 Bonneville	178	138	438	420	542	540	441	480	488	366	216	415	341	136	390
4 Boundary	164	149	204	347	357	257	209	230	233	77.8	282	610	806	412	334
5 Box Canyon Dam	31.5	28.9	37.7	60.9	62.2	46.2	38.3	41.9	42.1	15.2	50.8	85.8	81.1	66.2	52.2
6 Brownlee	156	159	172	155	162	184	199	164	200	203	205	229	196	175	183
7 Cabinet Gorge	44.2	39.8	34.4	62.2	58.2	72.8	63.8	67.2	62.0	70.5	65.2	195	222	115	88.6
8 Chelan Lake	39.1	19.2	12.0	36.6	24.1	21.4	64.4	21.2	21.2	53.3	3.00	3.00	66.0	67.1	32.9
9 Chief Joseph	1463	1236	923	928	1312	1239	922	985	924	917	1180	1517	1177	1056	1116
10 Cushman 1	36.4	30.5	3.25	3.20	3.14	3.25	24.1	2.76	2.95	3.20	3.37	3.62	33.6	26.4	12.0
11 Cushman 2	67.3	61.8	0.03	0.10	0.33	0.49	54.9	0.49	0.36	0.20	0.20	0.13	64.9	57.0	20.5
12 Diablo	75.3	56.5	34.3	50.1	110	89.6	157	66.2	72.7	94.4	66.6	40.7	94.4	94.4	79.7
13 Dworshak	439	337	183	61.3	60.9	60.7	60.5	60.3	60.3	60.5	61.6	67.5	170	440	140
14 Faraday	6.98	6.50	6.55	7.06	5.01	13.4	8.85	14.3	27.1	37.1	36.7	37.1	33.4	11.7	17.3
15 Gorge	87.9	67.6	42.9	59.8	122	106	167	76.1	86.9	125	81.5	58.9	121	149	97.7
16 Grand Coulee	2591	2151	1609	1644	2328	2141	1572	1706	1578	1508	1877	2387	1981	1873	1908
17 Hells Canyon	124	129	143	130	133	148	161	133	162	160	168	190	161	137	149
18 Hungry Horse	61.1	60.9	70.4	79.0	83.8	84.5	85.9	85.2	83.3	63.4	25.9	43.2	58.4	110	74.1
19 Ice Harbor	66.5	66.7	116	107	103	120	115	123	173	67.3	65.7	172	77.3	66.1	109
20 John Day	740	628	703	677	926	896	701	769	814	794	755	971	864	633	784
21 Kerr	44.9	44.9	44.9	91.1	83.7	109	101	102	86.1	72.5	51.3	146	178	138	98.9
22 La Grande	63.3	32.1	0	0	0	0.64	63.3	15.3	63.3	63.3	23.8	44.9	63.3	63.3	34.0
23 Libby	186	185	186	92.9	265	173	86.5	85.8	85.1	84.6	84.6	441	390	167	187
24 Little Falls	9.49	9.31	11.3	12.5	11.0	14.0	16.7	11.4	17.9	27.0	25.0	24.5	26.7	15.9	16.5
25 Little Goose	120	140	128	108	106	120	119	111	169	156	188	342	258	149	160
26 Long Lake	25.8	25.3	30.1	33.0	29.4	36.4	41.6	28.5	44.2	72.5	72.5	72.5	72.5	40.7	44.0
27 Lower Baker	58.5	19.9	16.6	20.5	20.9	54.4	40.6	11.2	8.98	24.7	19.5	41.7	56.2	57.8	32.7
28 Lower Granite	80.3	154	133	102	102	119	117	110	168	82.4	134	357	239	91.3	147
29 Lower Monumental	84.5	106	124	112	107	124	120	130	182	85.4	124	347	239	99.2	149
30 Mayfield	27.0	20.2	40.8	55.4	55.4	55.4	163	55.4	69.9	69.9	69.9	8.36	150	69.7	68.0
31 McNary	353	297	482	460	597	577	456	501	508	460	419	593	487	313	478
32 Merwin	19.7	17.0	16.7	26.2	67.9	94.8	80.6	31.9	69.6	109	60.5	28.8	75.1	35.1	52.6
33 Monroe Street	6.93	7.14	9.67	10.1	8.98	11.4	9.37	8.43	13.0	13.7	13.7	13.7	13.7	12.1	10.9
34 Mossyrock	50.1	38.4	71.8	88.4	88.1	64.8	254	42.3	56.2	48.3	42.6	0	305	123	98.8
35 Nine Mile	7.04	7.04	8.96	9.45	8.40	10.7	8.51	8.30	14.9	14.6	12.2	11.8	14.2	11.7	10.6
36 North Fork	7.85	7.32	7.37	7.94	5.64	15.0	9.96	16.1	30.5	47.1	41.3	47.1	37.6	13.1	20.2
37 Noxon Rapids	54.6	54.3	44.5	85.4	79.7	101	88.1	92.4	85.0	102	82.8	287	329	158	125
38 Oak Grove	21.0	20.2	19.8	28.9	14.1	16.0	26.7	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.6
39 Oxbow	64.4	66.8	74.1	67.3	68.5	75.4	81.9	67.3	80.4	79.7	79.7	88.2	75.5	69.7	74.5
40 Pelton	39.6	39.6	42.1	43.6	41.1	37.4	34.9	38.7	40.5	44.6	46.6	42.3	42.1	43.6	41.0

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
41 Pelton Rereq	8.09	6.98	8.69	9.04	8.43	7.56	6.96	7.86	8.30	9.28	9.73	8.71	8.68	9.02	8.35
42 Post Falls	1.80	2.05	4.09	5.11	4.00	6.40	4.93	3.95	10.4	15.7	11.3	11.3	15.6	5.46	7.23
43 Priest Rapids	451	416	366	373	519	503	391	399	375	373	344	498	483	326	419
44 River Mill	4.45	4.15	4.18	4.50	3.20	8.53	5.65	9.14	17.3	22.1	22.1	22.1	21.3	7.45	10.8
45 Rock Island	324	332	295	299	366	355	302	311	296	297	320	376	340	286	322
46 Rocky Reach	698	628	493	502	695	657	508	526	497	498	621	812	689	537	595
47 Ross	53.7	39.5	24.0	49.9	127	94.3	169	61.6	60.8	89.0	48.9	23.3	65.6	125	76.4
48 Round Butte	84.0	84.0	90.1	93.7	86.8	77.5	71.6	80.5	84.9	94.9	100	90.3	89.9	93.4	86.7
49 Swift 1	31.0	26.3	13.5	36.4	128	74.5	72.1	25.5	45.3	154	0.02	27.4	152	57.2	61.4
50 Swift 2	9.02	7.67	3.93	10.6	43.8	30.3	31.7	12.1	20.7	69.0	0.01	9.81	45.6	16.7	22.3
51 The Dalles	493	418	564	538	723	728	573	630	649	597	519	702	625	445	599
52 Thompson Falls	30.5	29.3	29.1	42.2	40.5	46.5	42.0	45.3	44.0	39.8	38.3	83.3	79.6	62.0	48.7
53 Upper Baker	29.8	23.6	15.9	29.4	19.6	64.7	9.79	9.17	0.01	22.8	22.1	48.9	51.6	65.1	30.5
54 Upper Falls	4.34	4.52	7.25	7.82	6.44	8.90	6.89	5.84	10.1	8.96	8.33	8.02	8.85	9.46	7.74
55 Wanapum	452	388	312	319	493	468	339	349	325	323	321	505	488	303	387
56 Wells	436	379	304	304	425	402	301	320	300	291	354	458	389	327	355
57 Yale	22.7	19.3	10.5	26.7	107	92.2	70.4	32.0	60.5	106	81.0	0	119	41.6	56.1
Total Regulated Hydro															
58 Federal Entities	6872	5933	5681	5359	7279	6937	5381	5791	5897	5249	5672	8386	6938	5597	6261
59 Investor Owned Utilities	1506	1389	1173	1355	1649	1813	1596	1372	1565	1905	1657	2273	2535	1720	1691
60 Marketer	427	400	343	350	455	434	347	361	345	349	384	487	441	345	391
61 Municipality	742	580	477	712	951	755	1367	622	742	666	691	908	1841	1218	912
62 Public Utility District	1333	1193	1116	1187	1637	1531	1233	1217	1156	1193	1222	1687	1633	1219	1341
63 Total Regulated Hydro	10881	9495	8790	8963	11972	11471	9924	9363	9704	9362	9626	13740	13388	10100	10596

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Regulated Hydro															
1 Albeni Falls Hydroelectric	16.8	16.6	17.1	29.9	23.6	15.7	13.4	14.4	14.5	6.39	22.7	34.9	30.5	28.2	21.2
2 Alder Hydroelectric	37.1	14.7	0	0	0	0.45	45.0	14.2	32.8	32.6	5.22	27.7	37.0	48.7	21.0
3 Bonneville	178	138	438	405	542	551	465	498	488	366	158	415	334	178	394
4 Boundary	164	149	204	348	355	257	209	230	233	77.8	282	610	795	422	333
5 Box Canyon Dam	31.5	28.9	37.7	61.0	61.9	46.2	38.3	41.9	42.1	15.2	50.8	85.8	81.4	67.7	52.3
6 Brownlee	156	159	172	155	162	184	199	164	200	203	205	229	196	175	183
7 Cabinet Gorge	44.2	39.8	34.4	62.5	57.5	72.8	63.8	67.2	62.0	70.5	65.2	195	219	118	88.5
8 Chelan Lake	39.1	19.2	12.0	51.7	24.1	21.4	63.9	61.9	21.2	4.00	3.00	3.00	65.6	67.1	35.3
9 Chief Joseph	1463	1236	923	874	1312	1275	999	1020	924	946	1001	1517	1168	1206	1129
10 Cushman 1	36.4	30.5	3.25	3.20	3.14	3.25	24.1	9.51	2.69	2.96	3.15	3.42	3.78	33.8	10.6
11 Cushman 2	67.3	61.8	0.03	0.10	0.33	0.49	54.9	21.2	0.36	0.20	0.20	0.13	0.10	65.1	17.5
12 Diablo	75.3	56.5	34.3	66.8	81.3	89.6	157	74.5	72.7	94.4	66.6	40.7	93.0	94.4	79.3
13 Dworshak	439	337	183	61.3	60.9	60.7	60.5	60.3	60.3	60.5	61.6	67.5	170	337	131
14 Faraday	6.98	6.50	6.55	7.10	5.01	13.4	8.55	14.3	27.1	37.1	36.7	37.1	33.4	11.7	17.3
15 Gorge	87.9	67.6	42.9	77.2	91.8	106	167	84.6	86.9	121	81.5	58.9	118	148	96.8
16 Grand Coulee	2591	2151	1609	1545	2349	2246	1735	1780	1568	1531	1570	2387	1965	2148	1939
17 Hells Canyon	124	129	143	130	133	148	161	133	162	160	168	190	161	137	149
18 Hungry Horse	61.1	60.9	70.4	79.0	83.8	84.5	85.9	85.2	83.3	63.4	25.9	43.2	58.4	110	74.2
19 Ice Harbor	66.5	66.7	116	107	103	120	115	123	173	67.3	65.7	172	77.3	66.1	109
20 John Day	740	628	703	650	926	917	747	803	814	794	683	971	855	691	791
21 Kerr	44.9	44.9	44.9	91.1	83.7	109	101	102	86.1	72.5	51.3	146	178	138	98.9
22 La Grande	63.3	32.1	0	0	0	0.64	63.3	27.6	61.8	61.8	8.30	44.9	55.2	63.3	33.4
23 Libby	186	185	186	92.9	265	173	86.5	85.8	85.1	84.6	84.6	441	390	167	187
24 Little Falls	9.49	9.31	11.3	12.7	10.7	14.0	16.7	11.4	17.9	27.0	25.0	24.5	26.7	16.8	16.5
25 Little Goose	120	140	128	108	106	120	119	111	169	156	188	342	258	149	160
26 Long Lake	25.8	25.3	30.1	33.3	28.6	36.4	41.6	28.5	44.2	72.5	72.5	72.5	72.5	42.9	44.1
27 Lower Baker	58.5	19.9	16.6	20.8	21.1	54.4	40.6	11.2	8.98	24.7	19.5	41.7	56.2	57.8	32.7
28 Lower Granite	80.3	154	133	102	102	119	117	110	168	82.4	134	353	239	91.3	147
29 Lower Monumental	84.5	106	124	112	107	124	120	130	182	85.4	124	347	239	99.2	149
30 Mayfield	27.0	20.2	40.8	55.4	55.4	55.4	163	55.4	69.9	69.9	69.9	8.36	128	95.1	68.4
31 McNary	353	297	482	441	597	591	486	523	508	460	376	593	482	343	482
32 Merwin	19.7	17.0	16.7	29.5	66.9	94.8	80.6	33.2	67.9	109	60.5	28.8	64.7	46.8	52.8
33 Monroe Street	6.93	7.14	9.67	10.1	8.98	11.4	9.37	8.43	13.0	13.7	13.7	13.7	13.7	12.5	11.0
34 Mossyrock	50.1	38.4	71.8	88.4	88.1	64.8	254	42.3	56.2	48.3	42.6	0	253	180	99.2
35 Nine Mile	7.04	7.04	8.96	9.45	8.40	10.7	8.51	8.30	14.9	14.6	12.2	11.8	14.2	12.4	10.7
36 North Fork	7.85	7.32	7.37	7.99	5.64	15.0	9.61	16.1	30.5	47.1	41.3	47.1	37.6	13.1	20.1
37 Noxon Rapids	54.6	54.3	44.5	85.8	78.7	101	88.1	92.4	85.0	102	82.8	287	325	164	125
38 Oak Grove	21.0	20.2	19.8	29.3	14.1	16.0	24.1	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.4
39 Oxbow	64.4	66.8	74.1	67.3	68.5	75.4	81.9	67.3	80.4	79.7	79.7	88.2	75.5	69.7	74.5
40 Pelton	39.6	39.6	42.1	43.0	41.1	37.4	34.9	38.7	40.5	44.6	46.6	42.3	42.1	43.6	40.9

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
41 Pelton Rereq	8.09	6.98	8.69	8.88	8.43	7.56	6.96	7.86	8.30	9.28	9.73	8.71	8.68	9.02	8.34
42 Post Falls	1.80	2.05	4.09	5.11	4.00	6.40	4.93	3.95	10.4	15.7	11.3	11.3	15.7	6.13	7.28
43 Priest Rapids	451	416	366	355	519	517	421	421	375	373	273	498	474	385	424
44 River Mill	4.45	4.15	4.18	4.53	3.20	8.53	5.45	9.14	17.3	22.1	22.1	22.1	21.3	7.45	10.8
45 Rock Island	324	332	295	288	366	360	322	325	296	297	291	376	336	302	324
46 Rocky Reach	698	628	493	477	695	675	547	556	497	498	528	812	678	608	601
47 Ross	53.7	39.5	24.0	68.1	90.8	94.3	169	68.9	60.1	84.3	48.5	23.2	61.1	123	74.7
48 Round Butte	84.0	84.0	90.1	91.9	86.8	77.5	71.6	80.5	84.9	94.9	100	90.3	89.9	93.4	86.5
49 Swift 1	31.0	26.3	13.5	42.4	114	74.5	72.1	25.6	45.1	154	0.02	27.4	143	67.8	60.8
50 Swift 2	9.02	7.67	3.93	12.8	39.8	30.3	31.7	12.2	20.6	69.0	0.01	9.81	41.5	19.2	22.0
51 The Dalles	493	418	564	516	723	744	608	657	649	597	470	702	619	486	604
52 Thompson Falls	30.5	29.3	29.1	42.2	40.5	46.5	42.0	45.3	44.0	39.8	38.3	83.3	79.6	62.0	48.7
53 Upper Baker	29.8	23.6	15.9	30.4	16.4	64.7	9.79	9.17	0.01	22.8	22.1	48.9	51.6	65.1	30.2
54 Upper Falls	4.34	4.52	7.25	7.82	6.44	8.90	6.89	5.84	10.1	8.96	8.33	8.02	8.86	9.89	7.77
55 Wanapum	452	388	312	300	493	485	369	372	325	323	241	505	478	374	393
56 Wells	436	379	304	286	425	413	326	331	300	301	301	458	387	371	359
57 Yale	22.7	19.3	10.5	32.0	92.8	92.2	70.4	32.1	60.5	106	81.0	0	108	53.6	55.4
Total Regulated Hydro															
58 Federal Entities	6871	5933	5677	5124	7300	7141	5757	6002	5886	5300	4966	8386	6886	6101	6318
59 Investor Owned Utilities	1333	1238	1173	1353	1615	1826	1620	1393	1563	1907	1595	2273	2489	1818	1681
60 Marketer	427	400	343	335	455	444	371	378	345	349	333	487	435	384	394
61 Municipality	742	580	477	762	855	758	1372	696	735	652	652	907	1629	1341	905
62 Public Utility District	1507	1344	1116	1149	1632	1572	1320	1316	1156	1151	1025	1687	1608	1385	1371
63 Total Regulated Hydro	10880	9495	8786	8723	11856	11741	10439	9784	9685	9359	8570	13740	13047	11029	10668

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Regulated Hydro															
1 Albeni Falls Hydroelectric	18.5	16.8	21.2	29.9	23.6	15.7	13.4	14.4	14.5	6.39	22.7	38.7	30.5	33.2	22.3
2 Alder Hydroelectric	37.1	14.7	0	0	0	0.45	45.0	14.2	32.8	32.6	5.22	27.7	37.0	48.7	21.0
3 Bonneville	159	138	408	405	542	551	465	498	488	366	158	415	334	178	390
4 Boundary	164	149	205	348	355	257	209	230	233	77.8	282	610	795	422	334
5 Box Canyon Dam	31.5	28.9	37.9	61.0	61.9	46.2	38.3	41.9	42.1	15.2	50.8	85.8	81.4	67.7	52.4
6 Brownlee	156	159	172	155	162	184	199	164	200	203	205	229	196	175	183
7 Cabinet Gorge	44.2	39.8	34.7	62.5	57.5	72.8	63.8	67.2	62.0	70.5	65.2	195	219	118	88.6
8 Chelan Lake	39.1	19.2	12.0	51.7	24.1	21.4	63.9	61.9	21.2	4.00	3.00	3.00	65.6	67.1	35.2
9 Chief Joseph	1406	1212	829	874	1312	1275	999	1020	924	946	1001	1517	1168	1206	1118
10 Cushman 1	36.4	30.5	3.25	3.20	3.14	3.25	24.1	9.51	2.69	2.96	3.15	3.42	3.78	33.8	10.6
11 Cushman 2	67.3	61.8	0.03	0.10	0.33	0.49	54.9	21.2	0.36	0.20	0.20	0.13	0.10	65.1	17.4
12 Diablo	75.3	56.5	50.2	66.8	81.3	89.6	157	74.5	72.7	94.4	66.6	40.7	93.0	94.4	80.6
13 Dworshak	336	335	183	61.3	60.9	60.7	60.5	60.3	60.3	60.5	61.6	67.5	170	440	136
14 Faraday	6.98	6.50	6.83	7.10	5.01	13.4	8.55	14.3	27.1	37.1	36.7	37.1	33.4	11.7	17.3
15 Gorge	87.9	67.6	60.6	77.2	91.8	106	167	84.6	86.9	121	81.5	58.9	118	148	98.3
16 Grand Coulee	2486	2109	1440	1545	2349	2246	1735	1780	1568	1531	1570	2387	1965	2148	1919
17 Hells Canyon	124	129	143	130	133	148	161	133	162	160	168	190	161	137	149
18 Hungry Horse	61.1	60.9	70.4	79.0	83.8	84.5	85.9	85.2	83.3	63.4	25.9	43.2	58.4	110	74.1
19 Ice Harbor	66.5	66.7	116	107	103	120	115	123	173	67.3	65.7	172	77.3	66.1	109
20 John Day	716	618	648	650	926	917	747	803	814	794	683	971	855	691	785
21 Kerr	44.9	44.9	44.9	91.1	83.7	109	101	102	86.1	72.5	51.3	146	178	138	98.9
22 La Grande	63.3	32.1	0	0	0	0.64	63.3	27.6	61.8	61.8	8.30	44.9	55.2	63.3	33.4
23 Libby	186	185	186	92.9	265	173	86.5	85.8	85.1	84.6	84.6	441	390	167	187
24 Little Falls	9.49	9.31	11.5	12.7	10.7	14.0	16.7	11.4	17.9	27.0	25.0	24.5	26.7	16.8	16.5
25 Little Goose	120	140	128	108	106	120	119	111	169	156	188	342	258	149	160
26 Long Lake	25.8	25.3	30.6	33.3	28.6	36.4	41.6	28.5	44.2	72.5	72.5	72.5	72.5	42.9	44.1
27 Lower Baker	58.5	19.9	16.7	20.8	21.1	54.4	40.6	11.2	8.98	24.7	19.5	41.7	56.2	57.8	32.7
28 Lower Granite	80.3	154	133	102	102	119	117	110	168	82.4	134	356	239	91.3	147
29 Lower Monumental	84.5	106	124	112	107	124	120	130	182	85.4	124	347	239	99.2	149
30 Mayfield	27.0	20.2	40.8	55.4	55.4	55.4	163	55.4	69.9	69.9	69.9	8.36	128	95.1	68.4
31 McNary	341	292	443	441	597	591	486	523	508	460	376	593	482	343	478
32 Merwin	19.7	17.0	16.9	29.5	66.9	94.8	80.6	33.2	67.9	109	60.5	28.8	64.7	46.8	52.9
33 Monroe Street	6.93	7.14	9.67	10.1	8.98	11.4	9.37	8.43	13.0	13.7	13.7	13.7	13.7	12.5	11.0
34 Mossyrock	50.1	38.4	71.8	88.4	88.1	64.8	254	42.3	56.2	48.3	42.6	0	253	180	99.4
35 Nine Mile	7.04	7.04	8.96	9.45	8.40	10.7	8.51	8.30	14.9	14.6	12.2	11.8	14.2	12.4	10.7
36 North Fork	7.85	7.32	7.68	7.99	5.64	15.0	9.61	16.1	30.5	47.1	41.3	47.1	37.6	13.1	20.2
37 Noxon Rapids	54.6	54.3	45.0	85.8	78.7	101	88.1	92.4	85.0	102	82.8	287	325	164	125
38 Oak Grove	21.0	20.2	22.0	29.3	14.1	16.0	24.1	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.6
39 Oxbow	64.4	66.8	74.1	67.3	68.5	75.4	81.9	67.3	80.4	79.7	79.7	88.2	75.5	69.7	74.5
40 Pelton	39.6	39.6	42.9	43.0	41.1	37.4	34.9	38.7	40.5	44.6	46.6	42.3	42.1	43.6	41.0

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
41 Pelton Rereq	8.09	6.98	8.85	8.88	8.43	7.56	6.96	7.86	8.30	9.28	9.73	8.71	8.68	9.02	8.35
42 Post Falls	1.80	2.05	4.09	5.11	4.00	6.40	4.93	3.95	10.4	15.7	11.3	11.3	15.7	6.13	7.29
43 Priest Rapids	429	407	329	355	519	517	421	421	375	373	273	498	474	385	420
44 River Mill	4.45	4.15	4.36	4.53	3.20	8.53	5.45	9.14	17.3	22.1	22.1	22.1	21.3	7.45	10.8
45 Rock Island	316	329	271	288	366	360	322	325	296	297	291	376	336	302	322
46 Rocky Reach	672	616	443	477	695	675	547	556	497	498	528	812	678	607	596
47 Ross	53.7	39.5	41.1	68.1	90.8	94.3	169	68.9	60.1	84.3	48.5	23.2	61.1	123	76.2
48 Round Butte	84.0	84.0	91.7	91.9	86.8	77.5	71.6	80.5	84.9	94.9	100	90.3	89.9	93.4	86.7
49 Swift 1	31.0	26.3	20.9	42.4	114	74.5	72.1	25.6	45.1	154	0.02	27.4	143	67.8	61.5
50 Swift 2	9.02	7.67	6.13	12.8	39.8	30.3	31.7	12.2	20.6	69.0	0.01	9.81	41.5	19.2	22.2
51 The Dalles	477	411	521	516	723	744	608	657	649	597	470	702	619	486	600
52 Thompson Falls	30.5	29.3	29.1	42.2	40.5	46.5	42.0	45.3	44.0	39.8	38.3	83.3	79.6	62.0	48.7
53 Upper Baker	29.8	23.6	17.9	30.4	16.4	64.7	9.79	9.17	0.01	22.8	22.1	48.9	51.6	65.1	30.5
54 Upper Falls	4.34	4.52	7.25	7.82	6.44	8.90	6.89	5.84	10.1	8.96	8.33	8.02	8.86	9.89	7.78
55 Wanapum	426	376	274	300	493	485	369	372	325	323	241	505	478	374	388
56 Wells	420	372	272	286	425	413	326	331	300	301	301	458	387	371	356
57 Yale	22.7	19.3	16.7	32.0	92.8	92.2	70.4	32.1	60.5	106	81.0	0	108	53.6	56.0
Total Regulated Hydro															
58 Federal Entities	6538	5845	5252	5124	7300	7141	5757	6002	5886	5300	4966	8393	6887	6209	6276
59 Investor Owned Utilities	1315	1230	1159	1353	1615	1826	1620	1393	1563	1907	1595	2273	2489	1818	1679
60 Marketer	412	394	315	335	455	444	371	378	345	349	333	487	435	384	391
61 Municipality	738	578	522	762	855	758	1372	696	735	652	652	907	1629	1341	909
62 Public Utility District	1447	1317	1010	1149	1632	1572	1320	1316	1156	1151	1025	1687	1608	1385	1359
63 Total Regulated Hydro	10450	9364	8258	8723	11856	11741	10439	9784	9685	9359	8570	13747	13048	11137	10614

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Regulated Hydro															
1 Albeni Falls Hydroelectric	18.5	16.8	21.2	29.9	23.6	15.7	13.4	14.4	14.5	6.39	22.7	38.7	30.5	33.2	22.3
2 Alder Hydroelectric	37.1	14.7	0	0	0	0.45	45.0	14.2	32.8	32.6	5.22	27.7	37.0	48.7	21.0
3 Bonneville	159	138	408	405	542	551	465	498	488	366	158	415	334	178	390
4 Boundary	164	149	205	348	355	257	209	230	233	77.8	282	610	795	422	334
5 Box Canyon Dam	31.5	28.9	37.9	61.0	61.9	46.2	38.3	41.9	42.1	15.2	50.8	85.8	81.4	67.7	52.4
6 Brownlee	156	159	172	155	162	184	199	164	200	203	205	229	196	175	183
7 Cabinet Gorge	44.2	39.8	34.7	62.5	57.5	72.8	63.8	67.2	62.0	70.5	65.2	195	219	118	88.6
8 Chelan Lake	39.1	19.2	12.0	51.7	24.1	21.4	63.9	61.9	21.2	4.00	3.00	3.00	65.6	67.1	35.2
9 Chief Joseph	1406	1212	829	874	1312	1275	999	1020	924	946	1001	1517	1168	1206	1118
10 Cushman 1	36.4	30.5	3.25	3.20	3.14	3.25	24.1	9.51	2.69	2.96	3.15	3.42	3.78	33.8	10.6
11 Cushman 2	67.3	61.8	0.03	0.10	0.33	0.49	54.9	21.2	0.36	0.20	0.20	0.13	0.10	65.1	17.4
12 Diablo	75.3	56.5	50.2	66.8	81.3	89.6	157	74.5	72.7	94.4	66.6	40.7	93.0	94.4	80.6
13 Dworshak	439	337	183	61.3	60.9	60.7	60.5	60.3	60.3	60.5	61.6	67.5	170	440	140
14 Faraday	6.98	6.50	6.83	7.10	5.01	13.4	8.55	14.3	27.1	37.1	36.7	37.1	33.4	11.7	17.3
15 Gorge	87.9	67.6	60.6	77.2	91.8	106	167	84.6	86.9	121	81.5	58.9	118	148	98.3
16 Grand Coulee	2486	2109	1440	1545	2349	2246	1735	1780	1568	1531	1570	2387	1965	2148	1919
17 Hells Canyon	124	129	143	130	133	148	161	133	162	160	168	190	161	137	149
18 Hungry Horse	61.1	60.9	70.4	79.0	83.8	84.5	85.9	85.2	83.3	63.4	25.9	43.2	58.4	110	74.1
19 Ice Harbor	66.5	66.7	116	107	103	120	115	123	173	67.3	65.7	172	77.3	66.1	109
20 John Day	716	618	648	650	926	917	747	803	814	794	683	971	855	691	785
21 Kerr	44.9	44.9	44.9	91.1	83.7	109	101	102	86.1	72.5	51.3	146	178	138	98.9
22 La Grande	63.3	32.1	0	0	0	0.64	63.3	27.6	61.8	61.8	8.30	44.9	55.2	63.3	33.4
23 Libby	186	185	186	92.9	265	173	86.5	85.8	85.1	84.6	84.6	441	390	167	187
24 Little Falls	9.49	9.31	11.5	12.7	10.7	14.0	16.7	11.4	17.9	27.0	25.0	24.5	26.7	16.8	16.5
25 Little Goose	120	140	128	108	106	120	119	111	169	156	188	342	258	149	160
26 Long Lake	25.8	25.3	30.6	33.3	28.6	36.4	41.6	28.5	44.2	72.5	72.5	72.5	72.5	42.9	44.1
27 Lower Baker	58.5	19.9	16.7	20.8	21.1	54.4	40.6	11.2	8.98	24.7	19.5	41.7	56.2	57.8	32.7
28 Lower Granite	80.3	154	133	102	102	119	117	110	168	82.4	134	354	239	91.3	147
29 Lower Monumental	84.5	106	124	112	107	124	120	130	182	85.4	124	347	239	99.2	149
30 Mayfield	27.0	20.2	40.8	55.4	55.4	55.4	163	55.4	69.9	69.9	69.9	8.36	128	95.1	68.4
31 McNary	341	292	443	441	597	591	486	523	508	460	376	593	482	343	478
32 Merwin	19.7	17.0	16.9	29.5	66.9	94.8	80.6	33.2	67.9	109	60.5	28.8	64.7	46.8	52.9
33 Monroe Street	6.93	7.14	9.67	10.1	8.98	11.4	9.37	8.43	13.0	13.7	13.7	13.7	13.7	12.5	11.0
34 Mossyrock	50.1	38.4	71.8	88.4	88.1	64.8	254	42.3	56.2	48.3	42.6	0	253	180	99.4
35 Nine Mile	7.04	7.04	8.96	9.45	8.40	10.7	8.51	8.30	14.9	14.6	12.2	11.8	14.2	12.4	10.7
36 North Fork	7.85	7.32	7.68	7.99	5.64	15.0	9.61	16.1	30.5	47.1	41.3	47.1	37.6	13.1	20.2
37 Noxon Rapids	54.6	54.3	45.0	85.8	78.7	101	88.1	92.4	85.0	102	82.8	287	325	164	125
38 Oak Grove	21.0	20.2	22.0	29.3	14.1	16.0	24.1	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.6
39 Oxbow	64.4	66.8	74.1	67.3	68.5	75.4	81.9	67.3	80.4	79.7	79.7	88.2	75.5	69.7	74.5
40 Pelton	39.6	39.6	42.9	43.0	41.1	37.4	34.9	38.7	40.5	44.6	46.6	42.3	42.1	43.6	41.0

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
41 Pelton Rereq	8.09	6.98	8.85	8.88	8.43	7.56	6.96	7.86	8.30	9.28	9.73	8.71	8.68	9.02	8.35
42 Post Falls	1.80	2.05	4.09	5.11	4.00	6.40	4.93	3.95	10.4	15.7	11.3	11.3	15.7	6.13	7.29
43 Priest Rapids	429	407	329	355	519	517	421	421	375	373	273	498	474	385	420
44 River Mill	4.45	4.15	4.36	4.53	3.20	8.53	5.45	9.14	17.3	22.1	22.1	22.1	21.3	7.45	10.8
45 Rock Island	316	329	271	288	366	360	322	325	296	297	291	376	336	302	322
46 Rocky Reach	672	616	443	477	695	675	547	556	497	498	528	812	678	608	596
47 Ross	53.7	39.5	41.1	68.1	90.8	94.3	169	68.9	60.1	84.3	48.5	23.2	61.1	123	76.2
48 Round Butte	84.0	84.0	91.7	91.9	86.8	77.5	71.6	80.5	84.9	94.9	100	90.3	89.9	93.4	86.7
49 Swift 1	31.0	26.3	20.9	42.4	114	74.5	72.1	25.6	45.1	154	0.02	27.4	143	67.8	61.5
50 Swift 2	9.02	7.67	6.13	12.8	39.8	30.3	31.7	12.2	20.6	69.0	0.01	9.81	41.5	19.2	22.2
51 The Dalles	477	411	521	516	723	744	608	657	649	597	470	702	619	486	600
52 Thompson Falls	30.5	29.3	29.1	42.2	40.5	46.5	42.0	45.3	44.0	39.8	38.3	83.3	79.6	62.0	48.7
53 Upper Baker	29.8	23.6	17.9	30.4	16.4	64.7	9.79	9.17	0.01	22.8	22.1	48.9	51.6	65.1	30.5
54 Upper Falls	4.34	4.52	7.25	7.82	6.44	8.90	6.89	5.84	10.1	8.96	8.33	8.02	8.86	9.89	7.78
55 Wanapum	426	376	274	300	493	485	369	372	325	323	241	505	478	374	388
56 Wells	420	372	272	286	425	413	326	331	300	301	301	458	387	371	356
57 Yale	22.7	19.3	16.7	32.0	92.8	92.2	70.4	32.1	60.5	106	81.0	0	108	53.6	56.0
Total Regulated Hydro															
58 Federal Entities	6641	5846	5252	5124	7300	7141	5757	6002	5886	5300	4966	8391	6886	6209	6280
59 Investor Owned Utilities	1315	1230	1159	1353	1615	1826	1620	1393	1563	1907	1595	2273	2489	1818	1679
60 Marketer	412	394	315	335	455	444	371	378	345	349	333	487	435	384	391
61 Municipality	738	578	522	762	855	758	1372	696	735	652	652	907	1629	1341	909
62 Public Utility District	1447	1317	1010	1149	1632	1572	1320	1316	1156	1151	1025	1687	1608	1385	1359
63 Total Regulated Hydro	10553	9366	8258	8723	11856	11741	10439	9784	9685	9359	8570	13745	13047	11137	10618

Regional: Regulated Hydro
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S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Regulated Hydro															
1 Albeni Falls Hydroelectric	18.5	16.8	21.2	29.9	23.6	15.7	13.4	14.4	14.5	6.39	22.7	38.7	30.5	33.2	22.3
2 Alder Hydroelectric	37.1	14.7	0	0	0	0.45	45.0	14.2	32.8	32.6	5.22	27.7	37.0	48.7	21.0
3 Bonneville	159	138	408	405	542	551	465	498	488	366	158	415	334	178	390
4 Boundary	164	149	205	348	355	257	209	230	233	77.8	282	610	795	422	334
5 Box Canyon Dam	31.5	28.9	37.9	61.0	61.9	46.2	38.3	41.9	42.1	15.2	50.8	85.8	81.4	67.7	52.4
6 Brownlee	156	159	172	155	162	184	199	164	200	203	205	229	196	175	183
7 Cabinet Gorge	44.2	39.8	34.7	62.5	57.5	72.8	63.8	67.2	62.0	70.5	65.2	195	219	118	88.6
8 Chelan Lake	39.1	19.2	12.0	51.7	24.1	21.4	63.9	61.9	21.2	4.00	3.00	3.00	65.6	67.1	35.2
9 Chief Joseph	1406	1212	829	874	1312	1275	999	1020	924	946	1001	1517	1168	1206	1118
10 Cushman 1	36.4	30.5	3.25	3.20	3.14	3.25	24.1	9.51	2.69	2.96	3.15	3.42	3.78	33.8	10.6
11 Cushman 2	67.3	61.8	0.03	0.10	0.33	0.49	54.9	21.2	0.36	0.20	0.20	0.13	0.10	65.1	17.4
12 Diablo	75.3	56.5	50.2	66.8	81.3	89.6	157	74.5	72.7	94.4	66.6	40.7	93.0	94.4	80.6
13 Dworshak	439	337	183	61.3	60.9	60.7	60.5	60.3	60.3	60.5	61.6	67.5	170	440	140
14 Faraday	6.98	6.50	6.83	7.10	5.01	13.4	8.55	14.3	27.1	37.1	36.7	37.1	33.4	11.7	17.3
15 Gorge	87.9	67.6	60.6	77.2	91.8	106	167	84.6	86.9	121	81.5	58.9	118	148	98.3
16 Grand Coulee	2486	2109	1440	1545	2349	2246	1735	1780	1568	1531	1570	2387	1965	2148	1919
17 Hells Canyon	124	129	143	130	133	148	161	133	162	160	168	190	161	137	149
18 Hungry Horse	61.1	60.9	70.4	79.0	83.8	84.5	85.9	85.2	83.3	63.4	25.9	43.2	58.4	110	74.1
19 Ice Harbor	66.5	66.7	116	107	103	120	115	123	173	67.3	65.7	172	77.3	66.1	109
20 John Day	716	618	648	650	926	917	747	803	814	794	683	971	855	691	785
21 Kerr	44.9	44.9	44.9	91.1	83.7	109	101	102	86.1	72.5	51.3	146	178	138	98.9
22 La Grande	63.3	32.1	0	0	0	0.64	63.3	27.6	61.8	61.8	8.30	44.9	55.2	63.3	33.4
23 Libby	186	185	186	92.9	265	173	86.5	85.8	85.1	84.6	84.6	441	390	167	187
24 Little Falls	9.49	9.31	11.5	12.7	10.7	14.0	16.7	11.4	17.9	27.0	25.0	24.5	26.7	16.8	16.5
25 Little Goose	120	140	128	108	106	120	119	111	169	156	188	342	258	149	160
26 Long Lake	25.8	25.3	30.6	33.3	28.6	36.4	41.6	28.5	44.2	72.5	72.5	72.5	72.5	42.9	44.1
27 Lower Baker	58.5	19.9	16.7	20.8	21.1	54.4	40.6	11.2	8.98	24.7	19.5	41.7	56.2	57.8	32.7
28 Lower Granite	80.3	154	133	102	102	119	117	110	168	82.4	134	350	239	91.3	147
29 Lower Monumental	84.5	106	124	112	107	124	120	130	182	85.4	124	347	239	99.2	149
30 Mayfield	27.0	20.2	40.8	55.4	55.4	55.4	163	55.4	69.9	69.9	69.9	8.36	128	95.1	68.4
31 McNary	341	292	443	441	597	591	486	523	508	460	376	593	482	343	478
32 Merwin	19.7	17.0	16.9	29.5	66.9	94.8	80.6	33.2	67.9	109	60.5	28.8	64.7	46.8	52.9
33 Monroe Street	6.93	7.14	9.67	10.1	8.98	11.4	9.37	8.43	13.0	13.7	13.7	13.7	13.7	12.5	11.0
34 Mossyrock	50.1	38.4	71.8	88.4	88.1	64.8	254	42.3	56.2	48.3	42.6	0	253	180	99.4
35 Nine Mile	7.04	7.04	8.96	9.45	8.40	10.7	8.51	8.30	14.9	14.6	12.2	11.8	14.2	12.4	10.7
36 North Fork	7.85	7.32	7.68	7.99	5.64	15.0	9.61	16.1	30.5	47.1	41.3	47.1	37.6	13.1	20.2
37 Noxon Rapids	54.6	54.3	45.0	85.8	78.7	101	88.1	92.4	85.0	102	82.8	287	325	164	125
38 Oak Grove	21.0	20.2	22.0	29.3	14.1	16.0	24.1	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.6
39 Oxbow	64.4	66.8	74.1	67.3	68.5	75.4	81.9	67.3	80.4	79.7	79.7	88.2	75.5	69.7	74.5
40 Pelton	39.6	39.6	42.9	43.0	41.1	37.4	34.9	38.7	40.5	44.6	46.6	42.3	42.1	43.6	41.0

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

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
41 Pelton Rereq	8.09	6.98	8.85	8.88	8.43	7.56	6.96	7.86	8.30	9.28	9.73	8.71	8.68	9.02	8.35
42 Post Falls	1.80	2.05	4.09	5.11	4.00	6.40	4.93	3.95	10.4	15.7	11.3	11.3	15.7	6.13	7.29
43 Priest Rapids	429	407	329	355	519	517	421	421	375	373	273	498	474	385	420
44 River Mill	4.45	4.15	4.36	4.53	3.20	8.53	5.45	9.14	17.3	22.1	22.1	22.1	21.3	7.45	10.8
45 Rock Island	316	329	271	288	366	360	322	325	296	297	291	376	336	302	322
46 Rocky Reach	672	616	443	477	695	675	547	556	497	498	528	812	678	608	596
47 Ross	53.7	39.5	41.1	68.1	90.8	94.3	169	68.9	60.1	84.3	48.5	23.2	61.1	123	76.2
48 Round Butte	84.0	84.0	91.7	91.9	86.8	77.5	71.6	80.5	84.9	94.9	100	90.3	89.9	93.4	86.7
49 Swift 1	31.0	26.3	20.9	42.4	114	74.5	72.1	25.6	45.1	154	0.02	27.4	143	67.8	61.5
50 Swift 2	9.02	7.67	6.13	12.8	39.8	30.3	31.7	12.2	20.6	69.0	0.01	9.81	41.5	19.2	22.2
51 The Dalles	477	411	521	516	723	744	608	657	649	597	470	702	619	486	600
52 Thompson Falls	30.5	29.3	29.1	42.2	40.5	46.5	42.0	45.3	44.0	39.8	38.3	83.3	79.6	62.0	48.7
53 Upper Baker	29.8	23.6	17.9	30.4	16.4	64.7	9.79	9.17	0.01	22.8	22.1	48.9	51.6	65.1	30.5
54 Upper Falls	4.34	4.52	7.25	7.82	6.44	8.90	6.89	5.84	10.1	8.96	8.33	8.02	8.86	9.89	7.78
55 Wanapum	426	376	274	300	493	485	369	372	325	323	241	505	478	374	388
56 Wells	420	372	272	286	425	413	326	331	300	301	301	458	387	371	356
57 Yale	22.7	19.3	16.7	32.0	92.8	92.2	70.4	32.1	60.5	106	81.0	0	108	53.6	56.0
Total Regulated Hydro															
58 Federal Entities	6641	5846	5252	5124	7300	7141	5757	6002	5886	5300	4966	8387	6886	6209	6280
59 Investor Owned Utilities	1315	1230	1159	1353	1615	1826	1620	1393	1563	1907	1595	2273	2489	1818	1679
60 Marketer	412	394	315	335	455	444	371	378	345	349	333	487	435	384	391
61 Municipality	738	578	522	762	855	758	1372	696	735	652	652	907	1629	1341	909
62 Public Utility District	1447	1317	1010	1149	1632	1572	1320	1316	1156	1151	1025	1687	1608	1385	1359
63 Total Regulated Hydro	10553	9366	8258	8723	11856	11741	10439	9784	9685	9359	8570	13741	13047	11137	10618

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Regulated Hydro															
1 Albeni Falls Hydroelectric	18.5	16.8	21.2	29.9	23.6	15.7	13.4	14.4	14.5	6.39	22.7	38.7	30.5	33.2	22.3
2 Alder Hydroelectric	37.1	14.7	0	0	0	0.45	45.0	14.2	32.8	32.6	5.22	27.7	37.0	48.7	21.0
3 Bonneville	159	138	408	405	542	551	465	498	488	366	158	415	334	178	391
4 Boundary	164	149	205	348	355	257	209	230	233	77.8	282	610	795	422	333
5 Box Canyon Dam	31.5	28.9	37.9	61.0	61.9	46.2	38.3	41.9	42.1	15.2	50.8	85.8	81.4	67.7	52.3
6 Brownlee	156	159	172	155	162	184	199	164	200	203	205	229	196	175	183
7 Cabinet Gorge	44.2	39.8	34.7	62.5	57.5	72.8	63.8	67.2	62.0	70.5	65.2	195	219	118	88.6
8 Chelan Lake	39.1	19.2	12.0	51.7	24.1	21.4	63.9	61.9	21.2	4.00	3.00	3.00	65.6	67.1	35.3
9 Chief Joseph	1406	1212	829	874	1312	1275	999	1020	924	946	1001	1517	1168	1206	1118
10 Cushman 1	36.4	30.5	3.25	3.20	3.14	3.25	24.1	9.51	2.69	2.96	3.15	3.42	3.78	33.8	10.6
11 Cushman 2	67.3	61.8	0.03	0.10	0.33	0.49	54.9	21.2	0.36	0.20	0.20	0.13	0.10	65.1	17.5
12 Diablo	75.3	56.5	50.2	66.8	81.3	89.6	157	74.5	72.7	94.4	66.6	40.7	93.0	94.4	80.6
13 Dworshak	439	337	183	61.3	60.9	60.7	60.5	60.3	60.3	60.5	61.6	67.5	170	440	140
14 Faraday	6.98	6.50	6.83	7.10	5.01	13.4	8.55	14.3	27.1	37.1	36.7	37.1	33.4	11.7	17.3
15 Gorge	87.9	67.6	60.6	77.2	91.8	106	167	84.6	86.9	121	81.5	58.9	118	148	98.2
16 Grand Coulee	2486	2109	1440	1545	2349	2246	1735	1780	1568	1531	1570	2387	1965	2148	1919
17 Hells Canyon	124	129	143	130	133	148	161	133	162	160	168	190	161	137	149
18 Hungry Horse	61.1	60.9	70.4	79.0	83.8	84.5	85.9	85.2	83.3	63.4	25.9	43.2	58.4	110	74.2
19 Ice Harbor	66.5	66.7	116	107	103	120	115	123	173	67.3	65.7	172	77.3	66.1	109
20 John Day	716	618	648	650	926	917	747	803	814	794	683	971	855	691	785
21 Kerr	44.9	44.9	44.9	91.1	83.7	109	101	102	86.1	72.5	51.3	146	178	138	98.9
22 La Grande	63.3	32.1	0	0	0	0.64	63.3	27.6	61.8	61.8	8.30	44.9	55.2	63.3	33.4
23 Libby	186	185	186	92.9	265	173	86.5	85.8	85.1	84.6	84.6	441	390	167	187
24 Little Falls	9.49	9.31	11.5	12.7	10.7	14.0	16.7	11.4	17.9	27.0	25.0	24.5	26.7	16.8	16.5
25 Little Goose	120	140	128	108	106	120	119	111	169	156	188	342	258	149	160
26 Long Lake	25.8	25.3	30.6	33.3	28.6	36.4	41.6	28.5	44.2	72.5	72.5	72.5	72.5	42.9	44.1
27 Lower Baker	58.5	19.9	16.7	20.8	21.1	54.4	40.6	11.2	8.98	24.7	19.5	41.7	56.2	57.8	32.7
28 Lower Granite	80.3	154	133	102	102	119	117	110	168	82.4	134	354	239	91.3	147
29 Lower Monumental	84.5	106	124	112	107	124	120	130	182	85.4	124	347	239	99.2	149
30 Mayfield	27.0	20.2	40.8	55.4	55.4	55.4	163	55.4	69.9	69.9	69.9	8.36	128	95.1	68.4
31 McNary	341	292	443	441	597	591	486	523	508	460	376	593	482	343	478
32 Merwin	19.7	17.0	16.9	29.5	66.9	94.8	80.6	33.2	67.9	109	60.5	28.8	64.7	46.8	52.8
33 Monroe Street	6.93	7.14	9.67	10.1	8.98	11.4	9.37	8.43	13.0	13.7	13.7	13.7	13.7	12.5	11.0
34 Mossyrock	50.1	38.4	71.8	88.4	88.1	64.8	254	42.3	56.2	48.3	42.6	0	253	180	99.2
35 Nine Mile	7.04	7.04	8.96	9.45	8.40	10.7	8.51	8.30	14.9	14.6	12.2	11.8	14.2	12.4	10.7
36 North Fork	7.85	7.32	7.68	7.99	5.64	15.0	9.61	16.1	30.5	47.1	41.3	47.1	37.6	13.1	20.2
37 Noxon Rapids	54.6	54.3	45.0	85.8	78.7	101	88.1	92.4	85.0	102	82.8	287	325	164	125
38 Oak Grove	21.0	20.2	22.0	29.3	14.1	16.0	24.1	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.6
39 Oxbow	64.4	66.8	74.1	67.3	68.5	75.4	81.9	67.3	80.4	79.7	79.7	88.2	75.5	69.7	74.5
40 Pelton	39.6	39.6	42.9	43.0	41.1	37.4	34.9	38.7	40.5	44.6	46.6	42.3	42.1	43.6	41.0

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
41 Pelton Rereq	8.09	6.98	8.85	8.88	8.43	7.56	6.96	7.86	8.30	9.28	9.73	8.71	8.68	9.02	8.35
42 Post Falls	1.80	2.05	4.09	5.11	4.00	6.40	4.93	3.95	10.4	15.7	11.3	11.3	15.7	6.13	7.28
43 Priest Rapids	429	407	329	355	519	517	421	421	375	373	273	498	474	385	420
44 River Mill	4.45	4.15	4.36	4.53	3.20	8.53	5.45	9.14	17.3	22.1	22.1	22.1	21.3	7.45	10.8
45 Rock Island	316	329	271	288	366	360	322	325	296	297	291	376	336	302	322
46 Rocky Reach	672	616	443	477	695	675	547	556	497	498	528	812	678	608	596
47 Ross	53.7	39.5	41.1	68.1	90.8	94.3	169	68.9	60.1	84.3	48.5	23.2	61.1	123	76.1
48 Round Butte	84.0	84.0	91.7	91.9	86.8	77.5	71.6	80.5	84.9	94.9	100	90.3	89.9	93.4	86.6
49 Swift 1	31.0	26.3	20.9	42.4	114	74.5	72.1	25.6	45.1	154	0.02	27.4	143	67.8	61.4
50 Swift 2	9.02	7.67	6.13	12.8	39.8	30.3	31.7	12.2	20.6	69.0	0.01	9.81	41.5	19.2	22.2
51 The Dalles	477	411	521	516	723	744	608	657	649	597	470	702	619	486	600
52 Thompson Falls	30.5	29.3	29.1	42.2	40.5	46.5	42.0	45.3	44.0	39.8	38.3	83.3	79.6	62.0	48.7
53 Upper Baker	29.8	23.6	17.9	30.4	16.4	64.7	9.79	9.17	0.01	22.8	22.1	48.9	51.6	65.1	30.4
54 Upper Falls	4.34	4.52	7.25	7.82	6.44	8.90	6.89	5.84	10.1	8.96	8.33	8.02	8.86	9.89	7.77
55 Wanapum	426	376	274	300	493	485	369	372	325	323	241	505	478	374	388
56 Wells	420	372	272	286	425	413	326	331	300	301	301	458	387	371	356
57 Yale	22.7	19.3	16.7	32.0	92.8	92.2	70.4	32.1	60.5	106	81.0	0	108	53.6	56.0
Total Regulated Hydro															
58 Federal Entities	6641	5846	5252	5124	7300	7141	5757	6002	5886	5300	4966	8391	6886	6209	6279
59 Investor Owned Utilities	1315	1230	1159	1353	1615	1826	1620	1393	1563	1907	1595	2273	2489	1818	1678
60 Marketer	412	394	315	335	455	444	371	378	345	349	333	487	435	384	391
61 Municipality	738	578	522	762	855	758	1372	696	735	652	652	907	1629	1341	908
62 Public Utility District	1447	1317	1010	1149	1632	1572	1320	1316	1156	1151	1025	1687	1608	1385	1359
63 Total Regulated Hydro	10553	9366	8258	8723	11856	11741	10439	9784	9685	9359	8570	13745	13047	11137	10616

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Regulated Hydro															
1 Albeni Falls Hydroelectric	18.5	16.8	21.2	29.9	23.6	15.7	13.4	14.4	14.5	6.39	22.7	38.7	30.5	33.2	22.3
2 Alder Hydroelectric	37.1	14.7	0	0	0	0.45	45.0	14.2	32.8	32.6	5.22	27.7	37.0	48.7	21.0
3 Bonneville	159	138	408	405	542	551	465	498	488	366	158	415	334	178	390
4 Boundary	164	149	205	348	355	257	209	230	233	77.8	282	610	795	422	334
5 Box Canyon Dam	31.5	28.9	37.9	61.0	61.9	46.2	38.3	41.9	42.1	15.2	50.8	85.8	81.4	67.7	52.4
6 Brownlee	156	159	172	155	162	184	199	164	200	203	205	229	196	175	183
7 Cabinet Gorge	44.2	39.8	34.7	62.5	57.5	72.8	63.8	67.2	62.0	70.5	65.2	195	219	118	88.6
8 Chelan Lake	39.1	19.2	12.0	51.7	24.1	21.4	63.9	61.9	21.2	4.00	3.00	3.00	65.6	67.1	35.2
9 Chief Joseph	1406	1212	829	874	1312	1275	999	1020	924	946	1001	1517	1168	1206	1118
10 Cushman 1	36.4	30.5	3.25	3.20	3.14	3.25	24.1	9.51	2.69	2.96	3.15	3.42	3.78	33.8	10.6
11 Cushman 2	67.3	61.8	0.03	0.10	0.33	0.49	54.9	21.2	0.36	0.20	0.20	0.13	0.10	65.1	17.4
12 Diablo	75.3	56.5	50.2	66.8	81.3	89.6	157	74.5	72.7	94.4	66.6	40.7	93.0	94.4	80.6
13 Dworshak	439	337	183	61.3	60.9	60.7	60.5	60.3	60.3	60.5	61.6	67.5	170	440	140
14 Faraday	6.98	6.50	6.83	7.10	5.01	13.4	8.55	14.3	27.1	37.1	36.7	37.1	33.4	11.7	17.3
15 Gorge	87.9	67.6	60.6	77.2	91.8	106	167	84.6	86.9	121	81.5	58.9	118	148	98.3
16 Grand Coulee	2486	2109	1440	1545	2349	2246	1735	1780	1568	1531	1570	2387	1965	2148	1919
17 Hells Canyon	124	129	143	130	133	148	161	133	162	160	168	190	161	137	149
18 Hungry Horse	61.1	60.9	70.4	79.0	83.8	84.5	85.9	85.2	83.3	63.4	25.9	43.2	58.4	110	74.1
19 Ice Harbor	66.5	66.7	116	107	103	120	115	123	173	67.3	65.7	172	77.3	66.1	109
20 John Day	716	618	648	650	926	917	747	803	814	794	683	971	855	691	785
21 Kerr	44.9	44.9	44.9	91.1	83.7	109	101	102	86.1	72.5	51.3	146	178	138	98.9
22 La Grande	63.3	32.1	0	0	0	0.64	63.3	27.6	61.8	61.8	8.30	44.9	55.2	63.3	33.4
23 Libby	186	185	186	92.9	265	173	86.5	85.8	85.1	84.6	84.6	441	390	167	187
24 Little Falls	9.49	9.31	11.5	12.7	10.7	14.0	16.7	11.4	17.9	27.0	25.0	24.5	26.7	16.8	16.5
25 Little Goose	120	140	128	108	106	120	119	111	169	156	188	342	258	149	160
26 Long Lake	25.8	25.3	30.6	33.3	28.6	36.4	41.6	28.5	44.2	72.5	72.5	72.5	72.5	42.9	44.1
27 Lower Baker	58.5	19.9	16.7	20.8	21.1	54.4	40.6	11.2	8.98	24.7	19.5	41.7	56.2	57.8	32.7
28 Lower Granite	80.3	154	133	102	102	119	117	110	168	82.4	134	350	239	91.3	147
29 Lower Monumental	84.5	106	124	112	107	124	120	130	182	85.4	124	347	239	99.2	149
30 Mayfield	27.0	20.2	40.8	55.4	55.4	55.4	163	55.4	69.9	69.9	69.9	8.36	128	95.1	68.4
31 McNary	341	292	443	441	597	591	486	523	508	460	376	593	482	343	478
32 Merwin	19.7	17.0	16.9	29.5	66.9	94.8	80.6	33.2	67.9	109	60.5	28.8	64.7	46.8	52.9
33 Monroe Street	6.93	7.14	9.67	10.1	8.98	11.4	9.37	8.43	13.0	13.7	13.7	13.7	13.7	12.5	11.0
34 Mossyrock	50.1	38.4	71.8	88.4	88.1	64.8	254	42.3	56.2	48.3	42.6	0	253	180	99.4
35 Nine Mile	7.04	7.04	8.96	9.45	8.40	10.7	8.51	8.30	14.9	14.6	12.2	11.8	14.2	12.4	10.7
36 North Fork	7.85	7.32	7.68	7.99	5.64	15.0	9.61	16.1	30.5	47.1	41.3	47.1	37.6	13.1	20.2
37 Noxon Rapids	54.6	54.3	45.0	85.8	78.7	101	88.1	92.4	85.0	102	82.8	287	325	164	125
38 Oak Grove	21.0	20.2	22.0	29.3	14.1	16.0	24.1	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.6
39 Oxbow	64.4	66.8	74.1	67.3	68.5	75.4	81.9	67.3	80.4	79.7	79.7	88.2	75.5	69.7	74.5
40 Pelton	39.6	39.6	42.9	43.0	41.1	37.4	34.9	38.7	40.5	44.6	46.6	42.3	42.1	43.6	41.0

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

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
41 Pelton Rereq	8.09	6.98	8.85	8.88	8.43	7.56	6.96	7.86	8.30	9.28	9.73	8.71	8.68	9.02	8.35
42 Post Falls	1.80	2.05	4.09	5.11	4.00	6.40	4.93	3.95	10.4	15.7	11.3	11.3	15.7	6.13	7.29
43 Priest Rapids	429	407	329	355	519	517	421	421	375	373	273	498	474	385	420
44 River Mill	4.45	4.15	4.36	4.53	3.20	8.53	5.45	9.14	17.3	22.1	22.1	22.1	21.3	7.45	10.8
45 Rock Island	316	329	271	288	366	360	322	325	296	297	291	376	336	302	322
46 Rocky Reach	672	616	443	477	695	675	547	556	497	498	528	812	678	608	596
47 Ross	53.7	39.5	41.1	68.1	90.8	94.3	169	68.9	60.1	84.3	48.5	23.2	61.1	123	76.2
48 Round Butte	84.0	84.0	91.7	91.9	86.8	77.5	71.6	80.5	84.9	94.9	100	90.3	89.9	93.4	86.7
49 Swift 1	31.0	26.3	20.9	42.4	114	74.5	72.1	25.6	45.1	154	0.02	27.4	143	67.8	61.5
50 Swift 2	9.02	7.67	6.13	12.8	39.8	30.3	31.7	12.2	20.6	69.0	0.01	9.81	41.5	19.2	22.2
51 The Dalles	477	411	521	516	723	744	608	657	649	597	470	702	619	486	600
52 Thompson Falls	30.5	29.3	29.1	42.2	40.5	46.5	42.0	45.3	44.0	39.8	38.3	83.3	79.6	62.0	48.7
53 Upper Baker	29.8	23.6	17.9	30.4	16.4	64.7	9.79	9.17	0.01	22.8	22.1	48.9	51.6	65.1	30.5
54 Upper Falls	4.34	4.52	7.25	7.82	6.44	8.90	6.89	5.84	10.1	8.96	8.33	8.02	8.86	9.89	7.78
55 Wanapum	426	376	274	300	493	485	369	372	325	323	241	505	478	374	388
56 Wells	420	372	272	286	425	413	326	331	300	301	301	458	387	371	356
57 Yale	22.7	19.3	16.7	32.0	92.8	92.2	70.4	32.1	60.5	106	81.0	0	108	53.6	56.0
Total Regulated Hydro															
58 Federal Entities	6641	5846	5252	5124	7300	7141	5757	6002	5886	5300	4966	8387	6886	6209	6280
59 Investor Owned Utilities	1315	1230	1159	1353	1615	1826	1620	1393	1563	1907	1595	2273	2489	1818	1679
60 Marketer	412	394	315	335	455	444	371	378	345	349	333	487	435	384	391
61 Municipality	738	578	522	762	855	758	1372	696	735	652	652	907	1629	1341	909
62 Public Utility District	1447	1317	1010	1149	1632	1572	1320	1316	1156	1151	1025	1687	1608	1385	1359
63 Total Regulated Hydro	10553	9366	8258	8723	11856	11741	10439	9784	9685	9359	8570	13741	13047	11137	10618

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

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Regulated Hydro															
1 Albeni Falls Hydroelectric	18.5	16.8	21.2	29.9	23.6	15.7	13.4	14.4	14.5	6.39	22.7	38.7	30.5	33.2	22.3
2 Alder Hydroelectric	37.1	14.7	0	0	0	0.45	45.0	14.2	32.8	32.6	5.22	27.7	37.0	48.7	21.0
3 Bonneville	159	138	408	405	542	551	465	498	488	366	158	415	334	178	390
4 Boundary	164	149	205	348	355	257	209	230	233	77.8	282	610	795	422	334
5 Box Canyon Dam	31.5	28.9	37.9	61.0	61.9	46.2	38.3	41.9	42.1	15.2	50.8	85.8	81.4	67.7	52.4
6 Brownlee	156	159	172	155	162	184	199	164	200	203	205	229	196	175	183
7 Cabinet Gorge	44.2	39.8	34.7	62.5	57.5	72.8	63.8	67.2	62.0	70.5	65.2	195	219	118	88.6
8 Chelan Lake	39.1	19.2	12.0	51.7	24.1	21.4	63.9	61.9	21.2	4.00	3.00	3.00	65.6	67.1	35.2
9 Chief Joseph	1406	1212	829	874	1312	1275	999	1020	924	946	1001	1517	1168	1206	1118
10 Cushman 1	36.4	30.5	3.25	3.20	3.14	3.25	24.1	9.51	2.69	2.96	3.15	3.42	3.78	33.8	10.6
11 Cushman 2	67.3	61.8	0.03	0.10	0.33	0.49	54.9	21.2	0.36	0.20	0.20	0.13	0.10	65.1	17.4
12 Diablo	75.3	56.5	50.2	66.8	81.3	89.6	157	74.5	72.7	94.4	66.6	40.7	93.0	94.4	80.6
13 Dworshak	439	337	183	61.3	60.9	60.7	60.5	60.3	60.3	60.5	61.6	67.5	170	440	140
14 Faraday	6.98	6.50	6.83	7.10	5.01	13.4	8.55	14.3	27.1	37.1	36.7	37.1	33.4	11.7	17.3
15 Gorge	87.9	67.6	60.6	77.2	91.8	106	167	84.6	86.9	121	81.5	58.9	118	148	98.3
16 Grand Coulee	2486	2109	1440	1545	2349	2246	1735	1780	1568	1531	1570	2387	1965	2148	1919
17 Hells Canyon	124	129	143	130	133	148	161	133	162	160	168	190	161	137	149
18 Hungry Horse	61.1	60.9	70.4	79.0	83.8	84.5	85.9	85.2	83.3	63.4	25.9	43.2	58.4	110	74.1
19 Ice Harbor	66.5	66.7	116	107	103	120	115	123	173	67.3	65.7	172	77.3	66.1	109
20 John Day	716	618	648	650	926	917	747	803	814	794	683	971	855	691	785
21 Kerr	44.9	44.9	44.9	91.1	83.7	109	101	102	86.1	72.5	51.3	146	178	138	98.9
22 La Grande	63.3	32.1	0	0	0	0.64	63.3	27.6	61.8	61.8	8.30	44.9	55.2	63.3	33.4
23 Libby	186	185	186	92.9	265	173	86.5	85.8	85.1	84.6	84.6	441	390	167	187
24 Little Falls	9.49	9.31	11.5	12.7	10.7	14.0	16.7	11.4	17.9	27.0	25.0	24.5	26.7	16.8	16.5
25 Little Goose	120	140	128	108	106	120	119	111	169	156	188	342	258	149	160
26 Long Lake	25.8	25.3	30.6	33.3	28.6	36.4	41.6	28.5	44.2	72.5	72.5	72.5	72.5	42.9	44.1
27 Lower Baker	58.5	19.9	16.7	20.8	21.1	54.4	40.6	11.2	8.98	24.7	19.5	41.7	56.2	57.8	32.7
28 Lower Granite	80.3	154	133	102	102	119	117	110	168	82.4	134	354	239	91.3	147
29 Lower Monumental	84.5	106	124	112	107	124	120	130	182	85.4	124	347	239	99.2	149
30 Mayfield	27.0	20.2	40.8	55.4	55.4	55.4	163	55.4	69.9	69.9	69.9	8.36	128	95.1	68.4
31 McNary	341	292	443	441	597	591	486	523	508	460	376	593	482	343	478
32 Merwin	19.7	17.0	16.9	29.5	66.9	94.8	80.6	33.2	67.9	109	60.5	28.8	64.7	46.8	52.9
33 Monroe Street	6.93	7.14	9.67	10.1	8.98	11.4	9.37	8.43	13.0	13.7	13.7	13.7	13.7	12.5	11.0
34 Mossyrock	50.1	38.4	71.8	88.4	88.1	64.8	254	42.3	56.2	48.3	42.6	0	253	180	99.4
35 Nine Mile	7.04	7.04	8.96	9.45	8.40	10.7	8.51	8.30	14.9	14.6	12.2	11.8	14.2	12.4	10.7
36 North Fork	7.85	7.32	7.68	7.99	5.64	15.0	9.61	16.1	30.5	47.1	41.3	47.1	37.6	13.1	20.2
37 Noxon Rapids	54.6	54.3	45.0	85.8	78.7	101	88.1	92.4	85.0	102	82.8	287	325	164	125
38 Oak Grove	21.0	20.2	22.0	29.3	14.1	16.0	24.1	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.6
39 Oxbow	64.4	66.8	74.1	67.3	68.5	75.4	81.9	67.3	80.4	79.7	79.7	88.2	75.5	69.7	74.5
40 Pelton	39.6	39.6	42.9	43.0	41.1	37.4	34.9	38.7	40.5	44.6	46.6	42.3	42.1	43.6	41.0

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

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
41 Pelton Rereq	8.09	6.98	8.85	8.88	8.43	7.56	6.96	7.86	8.30	9.28	9.73	8.71	8.68	9.02	8.35
42 Post Falls	1.80	2.05	4.09	5.11	4.00	6.40	4.93	3.95	10.4	15.7	11.3	11.3	15.7	6.13	7.29
43 Priest Rapids	429	407	329	355	519	517	421	421	375	373	273	498	474	385	420
44 River Mill	4.45	4.15	4.36	4.53	3.20	8.53	5.45	9.14	17.3	22.1	22.1	22.1	21.3	7.45	10.8
45 Rock Island	316	329	271	288	366	360	322	325	296	297	291	376	336	302	322
46 Rocky Reach	672	616	443	477	695	675	547	556	497	498	528	812	678	608	596
47 Ross	53.7	39.5	41.1	68.1	90.8	94.3	169	68.9	60.1	84.3	48.5	23.2	61.1	123	76.2
48 Round Butte	84.0	84.0	91.7	91.9	86.8	77.5	71.6	80.5	84.9	94.9	100	90.3	89.9	93.4	86.7
49 Swift 1	31.0	26.3	20.9	42.4	114	74.5	72.1	25.6	45.1	154	0.02	27.4	143	67.8	61.5
50 Swift 2	9.02	7.67	6.13	12.8	39.8	30.3	31.7	12.2	20.6	69.0	0.01	9.81	41.5	19.2	22.2
51 The Dalles	477	411	521	516	723	744	608	657	649	597	470	702	619	486	600
52 Thompson Falls	30.5	29.3	29.1	42.2	40.5	46.5	42.0	45.3	44.0	39.8	38.3	83.3	79.6	62.0	48.7
53 Upper Baker	29.8	23.6	17.9	30.4	16.4	64.7	9.79	9.17	0.01	22.8	22.1	48.9	51.6	65.1	30.5
54 Upper Falls	4.34	4.52	7.25	7.82	6.44	8.90	6.89	5.84	10.1	8.96	8.33	8.02	8.86	9.89	7.78
55 Wanapum	426	376	274	300	493	485	369	372	325	323	241	505	478	374	388
56 Wells	420	372	272	286	425	413	326	331	300	301	301	458	387	371	356
57 Yale	22.7	19.3	16.7	32.0	92.8	92.2	70.4	32.1	60.5	106	81.0	0	108	53.6	56.0
Total Regulated Hydro															
58 Federal Entities	6641	5846	5252	5124	7300	7141	5757	6002	5886	5300	4966	8391	6886	6209	6280
59 Investor Owned Utilities	1315	1230	1159	1353	1615	1826	1620	1393	1563	1907	1595	2273	2489	1818	1679
60 Marketer	412	394	315	335	455	444	371	378	345	349	333	487	435	384	391
61 Municipality	738	578	522	762	855	758	1372	696	735	652	652	907	1629	1341	909
62 Public Utility District	1447	1317	1010	1149	1632	1572	1320	1316	1156	1151	1025	1687	1608	1385	1359
63 Total Regulated Hydro	10553	9366	8258	8723	11856	11741	10439	9784	9685	9359	8570	13745	13047	11137	10618

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

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Regulated Hydro															
1 Albeni Falls Hydroelectric	18.5	16.8	21.2	29.9	23.6	15.7	13.4	14.4	14.5	6.39	22.7	38.7	30.5	33.2	22.3
2 Alder Hydroelectric	37.1	14.7	0	0	0	0.45	45.0	14.2	32.8	32.6	5.22	27.7	37.0	48.7	21.0
3 Bonneville	159	138	408	405	542	551	465	498	488	366	158	415	334	178	390
4 Boundary	164	149	205	348	355	257	209	230	233	77.8	282	610	795	422	334
5 Box Canyon Dam	31.5	28.9	37.9	61.0	61.9	46.2	38.3	41.9	42.1	15.2	50.8	85.8	81.4	67.7	52.4
6 Brownlee	156	159	172	155	162	184	199	164	200	203	205	229	196	175	183
7 Cabinet Gorge	44.2	39.8	34.7	62.5	57.5	72.8	63.8	67.2	62.0	70.5	65.2	195	219	118	88.6
8 Chelan Lake	39.1	19.2	12.0	51.7	24.1	21.4	63.9	61.9	21.2	4.00	3.00	3.00	65.6	67.1	35.2
9 Chief Joseph	1406	1212	829	874	1312	1275	999	1020	924	946	1001	1517	1168	1206	1118
10 Cushman 1	36.4	30.5	3.25	3.20	3.14	3.25	24.1	9.51	2.69	2.96	3.15	3.42	3.78	33.8	10.6
11 Cushman 2	67.3	61.8	0.03	0.10	0.33	0.49	54.9	21.2	0.36	0.20	0.20	0.13	0.10	65.1	17.4
12 Diablo	75.3	56.5	50.2	66.8	81.3	89.6	157	74.5	72.7	94.4	66.6	40.7	93.0	94.4	80.6
13 Dworshak	439	337	183	61.3	60.9	60.7	60.5	60.3	60.3	60.5	61.6	67.5	170	440	140
14 Faraday	6.98	6.50	6.83	7.10	5.01	13.4	8.55	14.3	27.1	37.1	36.7	37.1	33.4	11.7	17.3
15 Gorge	87.9	67.6	60.6	77.2	91.8	106	167	84.6	86.9	121	81.5	58.9	118	148	98.3
16 Grand Coulee	2486	2109	1440	1545	2349	2246	1735	1780	1568	1531	1570	2387	1965	2148	1919
17 Hells Canyon	124	129	143	130	133	148	161	133	162	160	168	190	161	137	149
18 Hungry Horse	61.1	60.9	70.4	79.0	83.8	84.5	85.9	85.2	83.3	63.4	25.9	43.2	58.4	110	74.1
19 Ice Harbor	66.5	66.7	116	107	103	120	115	123	173	67.3	65.7	172	77.3	66.1	109
20 John Day	716	618	648	650	926	917	747	803	814	794	683	971	855	691	785
21 Kerr	44.9	44.9	44.9	91.1	83.7	109	101	102	86.1	72.5	51.3	146	178	138	98.9
22 La Grande	63.3	32.1	0	0	0	0.64	63.3	27.6	61.8	61.8	8.30	44.9	55.2	63.3	33.4
23 Libby	186	185	186	92.9	265	173	86.5	85.8	85.1	84.6	84.6	441	390	167	187
24 Little Falls	9.49	9.31	11.5	12.7	10.7	14.0	16.7	11.4	17.9	27.0	25.0	24.5	26.7	16.8	16.5
25 Little Goose	120	140	128	108	106	120	119	111	169	156	188	342	258	149	160
26 Long Lake	25.8	25.3	30.6	33.3	28.6	36.4	41.6	28.5	44.2	72.5	72.5	72.5	72.5	42.9	44.1
27 Lower Baker	58.5	19.9	16.7	20.8	21.1	54.4	40.6	11.2	8.98	24.7	19.5	41.7	56.2	57.8	32.7
28 Lower Granite	80.3	154	133	102	102	119	117	110	168	82.4	134	350	239	91.3	147
29 Lower Monumental	84.5	106	124	112	107	124	120	130	182	85.4	124	347	239	99.2	149
30 Mayfield	27.0	20.2	40.8	55.4	55.4	55.4	163	55.4	69.9	69.9	69.9	8.36	128	95.1	68.4
31 McNary	341	292	443	441	597	591	486	523	508	460	376	593	482	343	478
32 Merwin	19.7	17.0	16.9	29.5	66.9	94.8	80.6	33.2	67.9	109	60.5	28.8	64.7	46.8	52.9
33 Monroe Street	6.93	7.14	9.67	10.1	8.98	11.4	9.37	8.43	13.0	13.7	13.7	13.7	13.7	12.5	11.0
34 Mossyrock	50.1	38.4	71.8	88.4	88.1	64.8	254	42.3	56.2	48.3	42.6	0	253	180	99.4
35 Nine Mile	7.04	7.04	8.96	9.45	8.40	10.7	8.51	8.30	14.9	14.6	12.2	11.8	14.2	12.4	10.7
36 North Fork	7.85	7.32	7.68	7.99	5.64	15.0	9.61	16.1	30.5	47.1	41.3	47.1	37.6	13.1	20.2
37 Noxon Rapids	54.6	54.3	45.0	85.8	78.7	101	88.1	92.4	85.0	102	82.8	287	325	164	125
38 Oak Grove	21.0	20.2	22.0	29.3	14.1	16.0	24.1	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.6
39 Oxbow	64.4	66.8	74.1	67.3	68.5	75.4	81.9	67.3	80.4	79.7	79.7	88.2	75.5	69.7	74.5
40 Pelton	39.6	39.6	42.9	43.0	41.1	37.4	34.9	38.7	40.5	44.6	46.6	42.3	42.1	43.6	41.0

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

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
41 Pelton Rereq	8.09	6.98	8.85	8.88	8.43	7.56	6.96	7.86	8.30	9.28	9.73	8.71	8.68	9.02	8.35
42 Post Falls	1.80	2.05	4.09	5.11	4.00	6.40	4.93	3.95	10.4	15.7	11.3	11.3	15.7	6.13	7.29
43 Priest Rapids	429	407	329	355	519	517	421	421	375	373	273	498	474	385	420
44 River Mill	4.45	4.15	4.36	4.53	3.20	8.53	5.45	9.14	17.3	22.1	22.1	22.1	21.3	7.45	10.8
45 Rock Island	316	329	271	288	366	360	322	325	296	297	291	376	336	302	322
46 Rocky Reach	672	616	443	477	695	675	547	556	497	498	528	812	678	608	596
47 Ross	53.7	39.5	41.1	68.1	90.8	94.3	169	68.9	60.1	84.3	48.5	23.2	61.1	123	76.2
48 Round Butte	84.0	84.0	91.7	91.9	86.8	77.5	71.6	80.5	84.9	94.9	100	90.3	89.9	93.4	86.7
49 Swift 1	31.0	26.3	20.9	42.4	114	74.5	72.1	25.6	45.1	154	0.02	27.4	143	67.8	61.5
50 Swift 2	9.02	7.67	6.13	12.8	39.8	30.3	31.7	12.2	20.6	69.0	0.01	9.81	41.5	19.2	22.2
51 The Dalles	477	411	521	516	723	744	608	657	649	597	470	702	619	486	600
52 Thompson Falls	30.5	29.3	29.1	42.2	40.5	46.5	42.0	45.3	44.0	39.8	38.3	83.3	79.6	62.0	48.7
53 Upper Baker	29.8	23.6	17.9	30.4	16.4	64.7	9.79	9.17	0.01	22.8	22.1	48.9	51.6	65.1	30.5
54 Upper Falls	4.34	4.52	7.25	7.82	6.44	8.90	6.89	5.84	10.1	8.96	8.33	8.02	8.86	9.89	7.78
55 Wanapum	426	376	274	300	493	485	369	372	325	323	241	505	478	374	388
56 Wells	420	372	272	286	425	413	326	331	300	301	301	458	387	371	356
57 Yale	22.7	19.3	16.7	32.0	92.8	92.2	70.4	32.1	60.5	106	81.0	0	108	53.6	56.0
Total Regulated Hydro															
58 Federal Entities	6641	5846	5252	5124	7300	7141	5757	6002	5886	5300	4966	8387	6886	6209	6280
59 Investor Owned Utilities	1315	1230	1159	1353	1615	1826	1620	1393	1563	1907	1595	2273	2489	1818	1679
60 Marketer	412	394	315	335	455	444	371	378	345	349	333	487	435	384	391
61 Municipality	738	578	522	762	855	758	1372	696	735	652	652	907	1629	1341	909
62 Public Utility District	1447	1317	1010	1149	1632	1572	1320	1316	1156	1151	1025	1687	1608	1385	1359
63 Total Regulated Hydro	10553	9366	8258	8723	11856	11741	10439	9784	9685	9359	8570	13741	13047	11137	10618

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Regulated Hydro															
1 Albeni Falls Hydroelectric	18.5	16.8	21.2	29.9	23.6	15.7	13.4	14.4	14.5	6.39	22.7	38.7	30.5	33.2	22.3
2 Alder Hydroelectric	37.1	14.7	0	0	0	0.45	45.0	14.2	32.8	32.6	5.22	27.7	37.0	48.7	21.0
3 Bonneville	159	138	408	405	542	551	465	498	488	366	158	415	334	178	391
4 Boundary	164	149	205	348	355	257	209	230	233	77.8	282	610	795	422	333
5 Box Canyon Dam	31.5	28.9	37.9	61.0	61.9	46.2	38.3	41.9	42.1	15.2	50.8	85.8	81.4	67.7	52.3
6 Brownlee	156	159	172	155	162	184	199	164	200	203	205	229	196	175	183
7 Cabinet Gorge	44.2	39.8	34.7	62.5	57.5	72.8	63.8	67.2	62.0	70.5	65.2	195	219	118	88.6
8 Chelan Lake	39.1	19.2	12.0	51.7	24.1	21.4	63.9	61.9	21.2	4.00	3.00	3.00	65.6	67.1	35.3
9 Chief Joseph	1406	1212	829	874	1312	1275	999	1020	924	946	1001	1517	1168	1206	1118
10 Cushman 1	36.4	30.5	3.25	3.20	3.14	3.25	24.1	9.51	2.69	2.96	3.15	3.42	3.78	33.8	10.6
11 Cushman 2	67.3	61.8	0.03	0.10	0.33	0.49	54.9	21.2	0.36	0.20	0.20	0.13	0.10	65.1	17.5
12 Diablo	75.3	56.5	50.2	66.8	81.3	89.6	157	74.5	72.7	94.4	66.6	40.7	93.0	94.4	80.6
13 Dworshak	439	337	183	61.3	60.9	60.7	60.5	60.3	60.3	60.5	61.6	67.5	170	440	140
14 Faraday	6.98	6.50	6.83	7.10	5.01	13.4	8.55	14.3	27.1	37.1	36.7	37.1	33.4	11.7	17.3
15 Gorge	87.9	67.6	60.6	77.2	91.8	106	167	84.6	86.9	121	81.5	58.9	118	148	98.2
16 Grand Coulee	2486	2109	1440	1545	2349	2246	1735	1780	1568	1531	1570	2387	1965	2148	1919
17 Hells Canyon	124	129	143	130	133	148	161	133	162	160	168	190	161	137	149
18 Hungry Horse	61.1	60.9	70.4	79.0	83.8	84.5	85.9	85.2	83.3	63.4	25.9	43.2	58.4	110	74.2
19 Ice Harbor	66.5	66.7	116	107	103	120	115	123	173	67.3	65.7	172	77.3	66.1	109
20 John Day	716	618	648	650	926	917	747	803	814	794	683	971	855	691	785
21 Kerr	44.9	44.9	44.9	91.1	83.7	109	101	102	86.1	72.5	51.3	146	178	138	98.9
22 La Grande	63.3	32.1	0	0	0	0.64	63.3	27.6	61.8	61.8	8.30	44.9	55.2	63.3	33.4
23 Libby	186	185	186	92.9	265	173	86.5	85.8	85.1	84.6	84.6	441	390	167	187
24 Little Falls	9.49	9.31	11.5	12.7	10.7	14.0	16.7	11.4	17.9	27.0	25.0	24.5	26.7	16.8	16.5
25 Little Goose	120	140	128	108	106	120	119	111	169	156	188	342	258	149	160
26 Long Lake	25.8	25.3	30.6	33.3	28.6	36.4	41.6	28.5	44.2	72.5	72.5	72.5	72.5	42.9	44.1
27 Lower Baker	58.5	19.9	16.7	20.8	21.1	54.4	40.6	11.2	8.98	24.7	19.5	41.7	56.2	57.8	32.7
28 Lower Granite	80.3	154	133	102	102	119	117	110	168	82.4	134	354	239	91.3	147
29 Lower Monumental	84.5	106	124	112	107	124	120	130	182	85.4	124	347	239	99.2	149
30 Mayfield	27.0	20.2	40.8	55.4	55.4	55.4	163	55.4	69.9	69.9	69.9	8.36	128	95.1	68.4
31 McNary	341	292	443	441	597	591	486	523	508	460	376	593	482	343	478
32 Merwin	19.7	17.0	16.9	29.5	66.9	94.8	80.6	33.2	67.9	109	60.5	28.8	64.7	46.8	52.8
33 Monroe Street	6.93	7.14	9.67	10.1	8.98	11.4	9.37	8.43	13.0	13.7	13.7	13.7	13.7	12.5	11.0
34 Mossyrock	50.1	38.4	71.8	88.4	88.1	64.8	254	42.3	56.2	48.3	42.6	0	253	180	99.2
35 Nine Mile	7.04	7.04	8.96	9.45	8.40	10.7	8.51	8.30	14.9	14.6	12.2	11.8	14.2	12.4	10.7
36 North Fork	7.85	7.32	7.68	7.99	5.64	15.0	9.61	16.1	30.5	47.1	41.3	47.1	37.6	13.1	20.2
37 Noxon Rapids	54.6	54.3	45.0	85.8	78.7	101	88.1	92.4	85.0	102	82.8	287	325	164	125
38 Oak Grove	21.0	20.2	22.0	29.3	14.1	16.0	24.1	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.6
39 Oxbow	64.4	66.8	74.1	67.3	68.5	75.4	81.9	67.3	80.4	79.7	79.7	88.2	75.5	69.7	74.5
40 Pelton	39.6	39.6	42.9	43.0	41.1	37.4	34.9	38.7	40.5	44.6	46.6	42.3	42.1	43.6	41.0

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
41 Pelton Rereq	8.09	6.98	8.85	8.88	8.43	7.56	6.96	7.86	8.30	9.28	9.73	8.71	8.68	9.02	8.35
42 Post Falls	1.80	2.05	4.09	5.11	4.00	6.40	4.93	3.95	10.4	15.7	11.3	11.3	15.7	6.13	7.28
43 Priest Rapids	429	407	329	355	519	517	421	421	375	373	273	498	474	385	420
44 River Mill	4.45	4.15	4.36	4.53	3.20	8.53	5.45	9.14	17.3	22.1	22.1	22.1	21.3	7.45	10.8
45 Rock Island	316	329	271	288	366	360	322	325	296	297	291	376	336	302	322
46 Rocky Reach	672	616	443	477	695	675	547	556	497	498	528	812	678	608	596
47 Ross	53.7	39.5	41.1	68.1	90.8	94.3	169	68.9	60.1	84.3	48.5	23.2	61.1	123	76.1
48 Round Butte	84.0	84.0	91.7	91.9	86.8	77.5	71.6	80.5	84.9	94.9	100	90.3	89.9	93.4	86.6
49 Swift 1	31.0	26.3	20.9	42.4	114	74.5	72.1	25.6	45.1	154	0.02	27.4	143	67.8	61.4
50 Swift 2	9.02	7.67	6.13	12.8	39.8	30.3	31.7	12.2	20.6	69.0	0.01	9.81	41.5	19.2	22.2
51 The Dalles	477	411	521	516	723	744	608	657	649	597	470	702	619	486	600
52 Thompson Falls	30.5	29.3	29.1	42.2	40.5	46.5	42.0	45.3	44.0	39.8	38.3	83.3	79.6	62.0	48.7
53 Upper Baker	29.8	23.6	17.9	30.4	16.4	64.7	9.79	9.17	0.01	22.8	22.1	48.9	51.6	65.1	30.4
54 Upper Falls	4.34	4.52	7.25	7.82	6.44	8.90	6.89	5.84	10.1	8.96	8.33	8.02	8.86	9.89	7.77
55 Wanapum	426	376	274	300	493	485	369	372	325	323	241	505	478	374	388
56 Wells	420	372	272	286	425	413	326	331	300	301	301	458	387	371	356
57 Yale	22.7	19.3	16.7	32.0	92.8	92.2	70.4	32.1	60.5	106	81.0	0	108	53.6	56.0
Total Regulated Hydro															
58 Federal Entities	6641	5846	5252	5124	7300	7141	5757	6002	5886	5300	4966	8391	6886	6209	6279
59 Investor Owned Utilities	1315	1230	1159	1353	1615	1826	1620	1393	1563	1907	1595	2273	2489	1818	1678
60 Marketer	412	394	315	335	455	444	371	378	345	349	333	487	435	384	391
61 Municipality	738	578	522	762	855	758	1372	696	735	652	652	907	1629	1341	908
62 Public Utility District	1447	1317	1010	1149	1632	1572	1320	1316	1156	1151	1025	1687	1608	1385	1359
63 Total Regulated Hydro	10553	9366	8258	8723	11856	11741	10439	9784	9685	9359	8570	13745	13047	11137	10616

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Exhibit 27
Regional Independent Hydro

Monthly Energy
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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Independent Hydro															
1 American Falls Hydroelectric	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9	43.2
2 Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0	5.83
4 Ashton	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63	0.45
6 Big Cliff	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	9.88
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39	2.71
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9 Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.1
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50	1.12
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30	0.30
12 Carmen-Smith	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14 Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.60
16 CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18 Cougar	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	19.0
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9	26.2
20 Detroit	24.5	24.3	36.1	42.8	45.6	19.7	11.4	18.1	20.1	34.9	64.3	106	90.7	30.3	41.3
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	9.22
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0	0.36
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24 Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.84
25 Foster	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	12.3
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0	8.28
27 Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28 Green Peter	15.3	15.6	19.2	19.3	19.3	30.3	7.73	0.37	32.9	88.5	44.8	57.9	48.8	9.57	27.4
29 Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
30 Helloaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19	0.22
31 Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	43.0
32 Hills Creek	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	17.8
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.32
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39	1.55
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81	2.30
39 John Boyle	0	0	9.28	33.2	39.6	44.7	45.1	52.1	78.0	82.0	82.0	28.3	20.7	0	35.9
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68	2.93

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
41 Last Chance	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.43
43 Lookout Point	21.3	26.8	34.5	45.2	47.3	8.78	7.79	11.5	14.7	44.8	50.5	86.7	75.0	24.2	35.7
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	30.1
45 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46 Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
47 McNary Fishway	8.83	8.83	9.36	9.42	8.75	8.00	5.91	5.89	8.41	9.43	9.43	9.27	8.59	9.31	8.45
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2	27.8
50 Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95	1.88
52 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53 North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54 Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8	11.9
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.2
57 Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23	0.17
59 Rogue	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.88
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35	5.84
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85	6.99
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9
64 Soda Creek 4	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40	6.55
68 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.22
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51	1.03
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7	11.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85	4.46
73 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.28
74 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8	24.6
77 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14	8.41
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38	7.71
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60	0.51
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.72

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

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	3.38
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94	7.22
Total Independent Hydro															
84 Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87	7.12
85 Federal Entities	362	358	340	307	257	172	114	128	231	436	443	719	708	407	349
86 Investor Owned Utilities	507	501	513	488	451	500	452	508	556	685	691	626	616	539	537
87 Marketer	0	0	0	0	0	0	0	0	0	11.3	11.3	35.7	27.7	3.85	6.56
88 Municipality	71.8	65.5	77.5	67.9	68.6	92.5	95.2	104	107	90.6	93.2	90.8	113	86.3	88.4
89 Public Utility District	53.3	65.2	42.3	41.3	36.6	98.5	47.4	30.6	62.9	91.5	91.5	125	152	97.2	74.0
90 Total Independent Hydro	1002	997	978	909	819	868	713	776	962	1322	1337	1608	1628	1143	1062

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Regional: Independent Hydro
Operating Year 2020 Water Year: 1937
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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Independent Hydro															
1 American Falls Hydroelectric	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9	43.2
2 Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0	5.83
4 Ashton	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63	0.45
6 Big Cliff	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	9.86
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39	2.71
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9 Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.0
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50	1.12
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30	0.30
12 Carmen-Smith	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14 Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.61
16 CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18 Cougar	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	18.9
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9	26.2
20 Detroit	24.5	24.3	36.1	42.8	45.6	19.7	11.4	18.1	20.1	34.9	64.3	106	90.7	30.3	41.2
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	9.21
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0	0.36
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24 Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.83
25 Foster	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	12.3
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0	8.30
27 Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28 Green Peter	15.3	15.6	19.2	19.3	19.3	30.3	7.73	0.37	32.9	88.5	44.8	57.9	48.8	9.57	27.3
29 Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
30 Helloaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19	0.22
31 Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	42.9
32 Hills Creek	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	17.7
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.32
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39	1.55
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81	2.30
39 John Boyle	0	0	9.28	33.2	39.6	44.7	45.1	52.1	78.0	82.0	82.0	28.3	20.7	0	36.0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68	2.92

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

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
41 Last Chance	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.44
43 Lookout Point	21.3	26.8	34.5	45.2	47.3	8.78	7.79	11.5	14.7	44.8	50.5	86.7	75.0	24.2	35.6
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	30.0
45 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46 Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
47 McNary Fishway	8.83	8.83	9.36	9.42	8.75	8.00	5.91	5.89	8.41	9.43	9.43	9.27	8.59	9.31	8.44
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2	27.8
50 Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95	1.88
52 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53 North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54 Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8	11.9
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.0
57 Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23	0.17
59 Rogue	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.87
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35	5.84
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85	6.97
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9
64 Soda Creek 4	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40	6.54
68 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.21
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51	1.03
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7	11.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85	4.45
73 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.27
74 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8	24.6
77 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14	8.41
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38	7.71
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60	0.51
81 WALTERVILLE	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.73

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	3.39
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94	7.21
Total Independent Hydro															
84 Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87	7.12
85 Federal Entities	362	358	340	307	257	172	114	128	231	436	443	719	708	407	349
86 Investor Owned Utilities	507	501	513	488	451	500	452	508	556	685	691	626	616	539	536
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	6.97
88 Municipality	71.8	65.5	77.5	66.2	67.4	92.0	95.2	103	106	90.6	93.2	90.8	113	86.3	88.0
89 Public Utility District	53.3	65.2	42.3	41.3	36.6	98.5	47.4	30.6	62.9	91.5	91.5	125	152	97.2	73.9
90 Total Independent Hydro	1002	997	978	909	819	868	713	776	962	1322	1337	1608	1628	1143	1061

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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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Independent Hydro															
1 American Falls Hydroelectric	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9	43.2
2 Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0	5.83
4 Ashton	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63	0.45
6 Big Cliff	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	9.88
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39	2.71
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9 Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.1
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50	1.12
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30	0.30
12 Carmen-Smith	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14 Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.60
16 CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18 Cougar	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	19.0
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9	26.2
20 Detroit	24.5	24.3	36.1	42.8	45.6	19.7	11.4	18.1	20.1	34.9	64.3	106	90.7	30.3	41.3
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	9.22
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0	0.36
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24 Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.84
25 Foster	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	12.3
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0	8.28
27 Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28 Green Peter	15.3	15.6	19.2	19.3	19.3	30.3	7.73	0.37	32.9	88.5	44.8	57.9	48.8	9.57	27.4
29 Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
30 Helloaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19	0.22
31 Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	43.0
32 Hills Creek	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	17.8
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.32
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39	1.55
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81	2.30
39 John Boyle	0	0	9.28	33.2	39.6	44.7	0	0	0	0	0	0	0	0	10.6
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68	2.93

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
41 Last Chance	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.43
43 Lookout Point	21.3	26.8	34.5	45.2	47.3	8.78	7.79	11.5	14.7	44.8	50.5	86.7	75.0	24.2	35.7
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	30.1
45 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46 Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
47 McNary Fishway	8.83	8.83	9.36	9.42	8.75	8.00	5.91	5.89	8.41	9.43	9.43	9.27	8.59	9.31	8.45
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2	27.8
50 Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95	1.88
52 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53 North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54 Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8	11.9
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.2
57 Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23	0.17
59 Rogue	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.88
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35	5.84
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85	6.99
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9
64 Soda Creek 4	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40	6.55
68 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.22
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51	1.03
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7	11.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85	4.46
73 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.28
74 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8	24.6
77 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14	8.41
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38	7.71
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60	0.51
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.72

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	3.38
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94	7.22
Total Independent Hydro															
84 Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87	7.12
85 Federal Entities	362	358	340	307	257	172	114	128	231	436	443	719	708	407	349
86 Investor Owned Utilities	507	501	513	488	451	500	406	456	478	603	609	598	595	539	511
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	6.99
88 Municipality	71.8	65.5	77.5	66.2	67.4	92.0	95.2	103	106	90.6	93.2	90.8	113	86.3	88.0
89 Public Utility District	53.3	65.2	42.3	41.3	36.6	98.5	47.4	30.6	62.9	91.5	91.5	125	152	97.2	74.0
90 Total Independent Hydro	1002	997	978	909	819	868	668	724	884	1240	1255	1580	1608	1143	1037

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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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Independent Hydro															
1 American Falls Hydroelectric	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9	43.2
2 Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0	5.83
4 Ashton	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63	0.45
6 Big Cliff	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	9.88
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39	2.71
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9 Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.1
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50	1.12
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30	0.30
12 Carmen-Smith	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14 Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.60
16 CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18 Cougar	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	19.0
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9	26.2
20 Detroit	24.5	24.3	36.1	42.8	45.6	19.7	11.4	18.1	20.1	34.9	64.3	106	90.7	30.3	41.3
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	9.22
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0	0.36
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24 Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.84
25 Foster	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	12.3
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0	8.28
27 Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28 Green Peter	15.3	15.6	19.2	19.3	19.3	30.3	7.73	0.37	32.9	88.5	44.8	57.9	48.8	9.57	27.4
29 Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
30 Helloaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19	0.22
31 Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	43.0
32 Hills Creek	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	17.8
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.32
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39	1.55
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81	2.30
39 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68	2.93

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
41 Last Chance	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.43
43 Lookout Point	21.3	26.8	34.5	45.2	47.3	8.78	7.79	11.5	14.7	44.8	50.5	86.7	75.0	24.2	35.7
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	30.1
45 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46 Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
47 McNary Fishway	8.83	8.83	9.36	9.42	8.75	8.00	5.91	5.89	8.41	9.43	9.43	9.27	8.59	9.31	8.45
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2	27.8
50 Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95	1.88
52 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53 North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54 Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8	11.9
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.2
57 Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23	0.17
59 Rogue	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.88
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35	5.84
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85	6.99
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9
64 Soda Creek 4	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40	6.55
68 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.22
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51	1.03
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7	11.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85	4.46
73 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.28
74 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8	24.6
77 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14	8.41
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38	7.71
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60	0.51
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.72

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	3.38
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94	7.22
Total Independent Hydro															
84 Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87	7.12
85 Federal Entities	362	358	340	307	257	172	114	128	231	436	443	719	708	407	349
86 Investor Owned Utilities	507	501	504	455	412	455	406	456	478	603	609	598	595	539	501
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	6.99
88 Municipality	71.8	65.5	77.5	66.2	67.4	92.0	95.2	103	106	90.6	93.2	90.8	113	86.3	88.0
89 Public Utility District	53.3	65.2	42.3	41.3	36.6	98.5	47.4	30.6	62.9	91.5	91.5	125	152	97.2	74.0
90 Total Independent Hydro	1002	997	969	876	779	823	668	724	884	1240	1255	1580	1608	1143	1026

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Regional: Independent Hydro
Operating Year 2023 Water Year: 1937
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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Independent Hydro															
1 American Falls Hydroelectric	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9	43.2
2 Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0	5.83
4 Ashton	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63	0.45
6 Big Cliff	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	9.88
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39	2.71
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9 Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.1
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50	1.12
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30	0.30
12 Carmen-Smith	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14 Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.60
16 CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18 Cougar	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	19.0
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9	26.2
20 Detroit	24.5	24.3	36.1	42.8	45.6	19.7	11.4	18.1	20.1	34.9	64.3	106	90.7	30.3	41.3
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	9.22
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0	0.36
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24 Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.84
25 Foster	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	12.3
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0	8.28
27 Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28 Green Peter	15.3	15.6	19.2	19.3	19.3	30.3	7.73	0.37	32.9	88.5	44.8	57.9	48.8	9.57	27.4
29 Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
30 Helloaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19	0.22
31 Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	43.0
32 Hills Creek	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	17.8
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.32
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39	1.55
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81	2.30
39 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68	2.93

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
41 Last Chance	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.43
43 Lookout Point	21.3	26.8	34.5	45.2	47.3	8.78	7.79	11.5	14.7	44.8	50.5	86.7	75.0	24.2	35.7
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	30.1
45 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46 Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
47 McNary Fishway	8.83	8.83	9.36	9.42	8.75	8.00	5.91	5.89	8.41	9.43	9.43	9.27	8.59	9.31	8.45
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2	27.8
50 Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95	1.88
52 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53 North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54 Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8	11.9
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.2
57 Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23	0.17
59 Rogue	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.88
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35	5.84
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85	6.99
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9
64 Soda Creek 4	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40	6.55
68 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.22
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51	1.03
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7	11.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85	4.46
73 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.28
74 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8	24.6
77 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14	8.41
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38	7.71
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60	0.51
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.72

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	3.38
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94	7.22
Total Independent Hydro															
84 Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87	7.12
85 Federal Entities	362	358	340	307	257	172	114	128	231	436	443	719	708	407	349
86 Investor Owned Utilities	507	501	504	455	412	455	406	456	478	603	609	598	595	539	501
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	6.99
88 Municipality	71.8	65.5	77.5	66.2	67.4	92.0	95.2	103	106	90.6	93.2	90.8	113	86.3	88.0
89 Public Utility District	53.3	65.2	42.3	41.3	36.6	98.5	47.4	30.6	62.9	91.5	91.5	125	152	97.2	74.0
90 Total Independent Hydro	1002	997	969	876	779	823	668	724	884	1240	1255	1580	1608	1143	1026

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Regional: Independent Hydro
Operating Year 2024 Water Year: 1937
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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Independent Hydro															
1 American Falls Hydroelectric	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9	43.2
2 Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0	5.83
4 Ashton	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63	0.45
6 Big Cliff	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	9.86
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39	2.71
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9 Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.0
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50	1.12
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30	0.30
12 Carmen-Smith	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14 Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.61
16 CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18 Cougar	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	18.9
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9	26.2
20 Detroit	24.5	24.3	36.1	42.8	45.6	19.7	11.4	18.1	20.1	34.9	64.3	106	90.7	30.3	41.2
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	9.21
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0	0.36
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24 Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.83
25 Foster	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	12.3
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0	8.30
27 Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28 Green Peter	15.3	15.6	19.2	19.3	19.3	30.3	7.73	0.37	32.9	88.5	44.8	57.9	48.8	9.57	27.3
29 Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
30 Helloaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19	0.22
31 Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	42.9
32 Hills Creek	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	17.7
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.32
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39	1.55
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81	2.30
39 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68	2.92

Regional: Independent Hydro
Operating Year 2024 Water Year: 1937
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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
41 Last Chance	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.44
43 Lookout Point	21.3	26.8	34.5	45.2	47.3	8.78	7.79	11.5	14.7	44.8	50.5	86.7	75.0	24.2	35.6
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	30.0
45 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46 Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
47 McNary Fishway	8.83	8.83	9.36	9.42	8.75	8.00	5.91	5.89	8.41	9.43	9.43	9.27	8.59	9.31	8.44
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2	27.8
50 Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95	1.88
52 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53 North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54 Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8	11.9
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.0
57 Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23	0.17
59 Rogue	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.87
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35	5.84
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85	6.97
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9
64 Soda Creek 4	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40	6.54
68 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.21
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51	1.03
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7	11.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85	4.45
73 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.27
74 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8	24.6
77 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14	8.41
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38	7.71
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60	0.51
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.73

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	3.39
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94	7.21
Total Independent Hydro															
84 Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87	7.12
85 Federal Entities	362	358	340	307	257	172	114	128	231	436	443	719	708	407	349
86 Investor Owned Utilities	507	501	504	455	412	455	406	456	478	603	609	598	595	539	500
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	6.97
88 Municipality	71.8	65.5	77.5	66.2	67.4	92.0	95.2	103	106	90.6	93.2	90.8	113	86.3	88.0
89 Public Utility District	53.3	65.2	42.3	41.3	36.6	98.5	47.4	30.6	62.9	91.5	91.5	125	152	97.2	73.9
90 Total Independent Hydro	1002	997	969	876	779	823	668	724	884	1240	1255	1580	1608	1143	1025

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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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Independent Hydro															
1 American Falls Hydroelectric	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9	43.2
2 Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0	5.83
4 Ashton	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63	0.45
6 Big Cliff	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	9.88
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39	2.71
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9 Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.1
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50	1.12
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30	0.30
12 Carmen-Smith	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14 Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.60
16 CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18 Cougar	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	19.0
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9	26.2
20 Detroit	24.5	24.3	36.1	42.8	45.6	19.7	11.4	18.1	20.1	34.9	64.3	106	90.7	30.3	41.3
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	9.22
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0	0.36
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24 Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.84
25 Foster	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	12.3
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0	8.28
27 Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28 Green Peter	15.3	15.6	19.2	19.3	19.3	30.3	7.73	0.37	32.9	88.5	44.8	57.9	48.8	9.57	27.4
29 Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
30 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	0.22
31 Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	43.0
32 Hills Creek	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	17.8
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.32
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39	1.55
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81	2.30
39 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68	2.93

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
41 Last Chance	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.43
43 Lookout Point	21.3	26.8	34.5	45.2	47.3	8.78	7.79	11.5	14.7	44.8	50.5	86.7	75.0	24.2	35.7
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	30.1
45 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46 Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
47 McNary Fishway	8.83	8.83	9.36	9.42	8.75	8.00	5.91	5.89	8.41	9.43	9.43	9.27	8.59	9.31	8.45
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2	27.8
50 Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95	1.88
52 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53 North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54 Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8	11.9
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.2
57 Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23	0.17
59 Rogue	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.88
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35	5.84
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85	6.99
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9
64 Soda Creek 4	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40	6.55
68 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.22
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51	1.03
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7	11.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85	4.46
73 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.28
74 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8	24.6
77 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14	8.41
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38	7.71
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60	0.51
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.72

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	3.38
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94	7.22
Total Independent Hydro															
84 Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87	7.12
85 Federal Entities	362	358	340	307	257	172	114	128	231	436	443	719	708	407	349
86 Investor Owned Utilities	507	501	504	455	412	455	406	456	478	603	609	598	595	539	501
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	6.99
88 Municipality	71.8	65.5	77.5	66.2	67.4	92.0	95.2	103	106	90.6	93.2	90.8	113	86.3	88.0
89 Public Utility District	53.3	65.2	42.3	41.3	36.6	98.5	47.4	30.6	62.9	91.5	91.5	125	152	97.2	74.0
90 Total Independent Hydro	1002	997	969	876	779	823	668	724	884	1240	1255	1580	1608	1143	1026

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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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Independent Hydro															
1 American Falls Hydroelectric	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9	43.2
2 Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0	5.83
4 Ashton	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63	0.45
6 Big Cliff	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	9.88
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39	2.71
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9 Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.1
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50	1.12
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30	0.30
12 Carmen-Smith	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14 Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.60
16 CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18 Cougar	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	19.0
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9	26.2
20 Detroit	24.5	24.3	36.1	42.8	45.6	19.7	11.4	18.1	20.1	34.9	64.3	106	90.7	30.3	41.3
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	9.22
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0	0.36
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24 Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.84
25 Foster	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	12.3
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0	8.28
27 Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28 Green Peter	15.3	15.6	19.2	19.3	19.3	30.3	7.73	0.37	32.9	88.5	44.8	57.9	48.8	9.57	27.4
29 Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
30 Helloaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19	0.22
31 Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	43.0
32 Hills Creek	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	17.8
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.32
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39	1.55
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81	2.30
39 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68	2.93

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
41 Last Chance	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.43
43 Lookout Point	21.3	26.8	34.5	45.2	47.3	8.78	7.79	11.5	14.7	44.8	50.5	86.7	75.0	24.2	35.7
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	30.1
45 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46 Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
47 McNary Fishway	8.83	8.83	9.36	9.42	8.75	8.00	5.91	5.89	8.41	9.43	9.43	9.27	8.59	9.31	8.45
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2	27.8
50 Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95	1.88
52 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53 North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54 Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8	11.9
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.2
57 Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23	0.17
59 Rogue	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.88
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35	5.84
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85	6.99
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9
64 Soda Creek 4	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40	6.55
68 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.22
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51	1.03
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7	11.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85	4.46
73 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.28
74 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8	24.6
77 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14	8.41
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38	7.71
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60	0.51
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.72

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	3.38
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94	7.22
Total Independent Hydro															
84 Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87	7.12
85 Federal Entities	362	358	340	307	257	172	114	128	231	436	443	719	708	407	349
86 Investor Owned Utilities	507	501	504	455	412	455	406	456	478	603	609	598	595	539	501
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	6.99
88 Municipality	71.8	65.5	77.5	66.2	67.4	92.0	95.2	103	106	90.6	93.2	90.8	113	86.3	88.0
89 Public Utility District	53.3	65.2	42.3	41.3	36.6	98.5	47.4	30.6	62.9	91.5	91.5	125	152	97.2	74.0
90 Total Independent Hydro	1002	997	969	876	779	823	668	724	884	1240	1255	1580	1608	1143	1026

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Independent Hydro															
1 American Falls Hydroelectric	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9	43.2
2 Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0	5.83
4 Ashton	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63	0.45
6 Big Cliff	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	9.88
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39	2.71
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9 Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.1
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50	1.12
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30	0.30
12 Carmen-Smith	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14 Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.60
16 CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18 Cougar	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	19.0
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9	26.2
20 Detroit	24.5	24.3	36.1	42.8	45.6	19.7	11.4	18.1	20.1	34.9	64.3	106	90.7	30.3	41.3
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	9.22
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0	0.36
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24 Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.84
25 Foster	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	12.3
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0	8.28
27 Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28 Green Peter	15.3	15.6	19.2	19.3	19.3	30.3	7.73	0.37	32.9	88.5	44.8	57.9	48.8	9.57	27.4
29 Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
30 Helloaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19	0.22
31 Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	43.0
32 Hills Creek	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	17.8
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.32
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39	1.55
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81	2.30
39 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68	2.93

Regional: Independent Hydro
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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
41 Last Chance	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.43
43 Lookout Point	21.3	26.8	34.5	45.2	47.3	8.78	7.79	11.5	14.7	44.8	50.5	86.7	75.0	24.2	35.7
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	30.1
45 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46 Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
47 McNary Fishway	8.83	8.83	9.36	9.42	8.75	8.00	5.91	5.89	8.41	9.43	9.43	9.27	8.59	9.31	8.45
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2	27.8
50 Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95	1.88
52 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53 North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54 Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8	11.9
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.2
57 Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23	0.17
59 Rogue	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.88
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35	5.84
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85	6.99
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9
64 Soda Creek 4	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40	6.55
68 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.22
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51	1.03
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7	11.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85	4.46
73 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.28
74 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8	24.6
77 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14	8.41
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38	7.71
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60	0.51
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.72

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
82 Winooshee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49	3.38
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94	7.22
Total Independent Hydro															
84 Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87	7.12
85 Federal Entities	362	358	340	307	257	172	114	128	231	436	443	719	708	407	349
86 Investor Owned Utilities	507	501	504	455	412	455	406	456	478	603	609	598	595	539	501
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	6.99
88 Municipality	71.8	65.5	77.5	66.2	67.4	92.0	95.2	103	106	90.6	93.2	90.8	113	86.3	88.0
89 Public Utility District	53.3	65.2	42.3	41.3	36.6	98.5	47.4	30.6	62.9	91.5	91.5	125	152	97.2	74.0
90 Total Independent Hydro	1002	997	969	876	779	823	668	724	884	1240	1255	1580	1608	1143	1026

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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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Independent Hydro															
1 American Falls Hydroelectric	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9	43.2
2 Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0	5.83
4 Ashton	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63	0.45
6 Big Cliff	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	9.86
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39	2.71
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9 Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.0
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50	1.12
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30	0.30
12 Carmen-Smith	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14 Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.61
16 CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18 Cougar	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	18.9
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9	26.2
20 Detroit	24.5	24.3	36.1	42.8	45.6	19.7	11.4	18.1	20.1	34.9	64.3	106	90.7	30.3	41.2
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	9.21
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0	0.36
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24 Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.83
25 Foster	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	12.3
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0	8.30
27 Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28 Green Peter	15.3	15.6	19.2	19.3	19.3	30.3	7.73	0.37	32.9	88.5	44.8	57.9	48.8	9.57	27.3
29 Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
30 Helloaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19	0.22
31 Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	42.9
32 Hills Creek	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	17.7
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.32
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39	1.55
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70	4.14
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81	2.30
39 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68	2.92

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

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
41 Last Chance	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.44
43 Lookout Point	21.3	26.8	34.5	45.2	47.3	8.78	7.79	11.5	14.7	44.8	50.5	86.7	75.0	24.2	35.6
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	30.0
45 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46 Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
47 McNary Fishway	8.83	8.83	9.36	9.42	8.75	8.00	5.91	5.89	8.41	9.43	9.43	9.27	8.59	9.31	8.44
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2	27.8
50 Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95	1.88
52 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53 North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54 Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8	11.9
56 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.0
57 Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23	0.17
59 Rogue	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.87
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35	5.84
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85	6.97
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9
64 Soda Creek 4	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40	6.54
68 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.21
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51	1.03
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7	11.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85	4.45
73 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.27
74 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8	24.6
77 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14	8.41
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38	7.71
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60	0.51
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.73

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	3.39
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94	7.21
Total Independent Hydro															
84 Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87	7.12
85 Federal Entities	362	358	340	307	257	172	114	128	231	436	443	719	708	407	349
86 Investor Owned Utilities	507	501	504	455	412	455	406	456	478	603	609	598	595	539	500
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	6.97
88 Municipality	71.8	65.5	77.5	66.2	67.4	92.0	95.2	103	106	90.6	93.2	90.8	113	86.3	88.0
89 Public Utility District	53.3	65.2	42.3	41.3	36.6	98.5	47.4	30.6	62.9	91.5	91.5	125	152	97.2	73.9
90 Total Independent Hydro	1002	997	969	876	779	823	668	724	884	1240	1255	1580	1608	1143	1025

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Exhibit 28
Regional Small Hydro

Annual Energy
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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Small Hydro															
1 Albany-Millersburg Hydroelectric	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2 Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31	0.16
4 Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.02
6 Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13	0.13
8 Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqq's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19	1.21
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11	0.06
15 Black Canyon	3.08	3.08	2.78	1.85	2.78	2.78	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.96
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73	0.57
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
19 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	0.60
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	0.18
21 Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22 Buffalo Hydro	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
25 Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0.06	2.94	2.94	7.01	8.16	8.68	8.26	4.33
26 Calligan Creek	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	2.00
27 Canyon Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
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	0.09
29 Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
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	0.02
31 C-Drop Hydro	1.09	0.78	0.10	0	0	0	0	0	0	0.53	0.53	1.09	1.09	1.09	0.41
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	0.71
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	2.14
34 Cereghino	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
35 Chester Hydroelectric Plant	0.25	0.25	0.25	0.12	0.32	0.70	0.52	0.59	0.52	0.74	0.74	1.00	1.06	0.40	0.54
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	0.44
37 Company Creek	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
38 Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	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	0.44
40 Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	0.12
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	0.01
43 Cushman North Fork	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
44 D. Wiggins	0	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	0.01
46 Denny Creek	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
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	2.48
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	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	0.91
50 Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
51 Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
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	0.94
54 Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
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	1.95
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	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	5.88
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	1.49
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	0.89
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	0.60
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	0.25
62 Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0.49
64 Forgy	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
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	0.32
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	0.54
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	0.23
68 Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
69 Ground Water Pumping Station	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
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	0.06
71 Hancock Creek	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	2.00
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	3.24
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	3.03
74 Hettinger	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
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	6.56
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	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	0.27
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	0.14
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	0.24
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	0.21
81 Juniper Ridge Hydro	3.29	3.29	2.81	0.84	0	0	0	0	0	1.04	1.04	2.77	3.11	3.38	1.45

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
82 Kasel-Witherspon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78	0.53
83 Kaster Riverview	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
84 Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.38
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	0.73
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	0.37
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	0.54
88 Lake Creek (OR)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
89 Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
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	1.35
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	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	0.08
93 Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
94 Little Mac	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
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	0.95
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	0.46
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	5.35
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
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	1.80
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	0.03
101 LQ-LS Drains (Pigeon Cove)	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
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	23.7
103 Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	3.56
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	9.82
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	0.44
107 Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
108 Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
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	2.15
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	0.66
111 Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
112 Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
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	0.93
114 Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
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	1.42
116 Morse Creek	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
117 Mt. Tabor	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
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	0.55
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	0.85
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	0.23
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	0.19
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	0.21

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	0.71
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	0.06
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	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	2.95
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	0.43
128 Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.82
129 Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.72
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	0.01
131 PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.83
132 Phillips Ranch	0	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	0.04
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	0.08
135 Poderosa	0.63	0.63	0.47	0.16	0.05	0.05	0.05	0.05	0.05	0.17	0.17	0.45	0.65	0.63	0.29
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	12.0
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	0.15
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	1.09
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	0.36
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	0.32
141 Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.71
142 Ravenscroft Ranch	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
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	0.21
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	0.20
145 Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
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	1.61
147 Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.42	0.47	0.46	0.46	0.20	0.09	0	0.25
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	1.84
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	0.25
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	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	0.26
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	0.12
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	0.47
154 Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
155 Smith Creek (Washington)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
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	0.04
157 Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
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	0.34
159 Spencer Lake Hydro	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
160 Spring Creek	0	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	0
162 Stevenson #1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
163 Stevenson #2	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	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	37.2
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	0.07
167 Syqitowicz Creek	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
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	0.05
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	3.24
170 Tieton Dam (Yakima)	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
171 Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
172 Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	8.30	8.30	8.30	8.30	8.30	8.30	8.30	18.7	7.69
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	0.01
174 Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
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	1.48
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	0.12
177 Watson Hydro	0.32	0.25	0.32	0.25	0.27	0	0	0	0.58	0.30	0.60	0.71	0.71	0.54	0.34
178 Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
179 White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
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	0.08
181 Whitefish	0.11	0.11	0.11	0.09	0.08	0.07	0.07	0.08	0.11	0.13	0.13	0.15	0.17	0.18	0.11
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	3.14
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	0.05
184 Wolf Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
185 Woods Creek	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
186 Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
187 Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
188 Youngs Creek	0.07	0.07	0.53	1.65	3.29	2.73	2.92	3.14	4.52	4.65	4.65	2.49	0.56	0.17	2.22
189 Zena Creek Ranch	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Total Small Hydro															
190 Cooperative	2.13	2.13	2.02	1.71	1.80	2.29	1.98	2.42	2.60	2.87	2.87	2.85	3.00	2.56	2.35
191 Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.25	3.30	3.29	3.29	3.03	2.92	2.83	3.08
192 Investor Owned Utilities	167	167	139	111	117	108	101	109	131	170	177	216	214	203	149
193 Marketer	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
194 Municipality	138	136	88.6	37.4	2.48	3.18	2.48	3.98	12.5	83.1	83.1	167	188	194	77.1
195 Public Utility District	19.9	19.9	15.2	13.7	10.7	10.1	10.3	10.5	13.1	22.7	22.7	23.6	22.7	22.1	16.3
196 Total Small Hydro	331	329	248	167	135	127	120	129	163	282	289	414	431	425	248

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Small Hydro															
1 Albany-Millersburg Hydroelectric	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2 Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31	0.16
4 Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.02
6 Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13	0.13
8 Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqq's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19	1.21
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11	0.06
15 Black Canyon	3.08	3.08	2.78	1.85	2.78	2.78	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.96
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73	0.56
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
19 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	0.60
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	0.18
21 Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22 Buffalo Hydro	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
25 Bypass	8.26	6.54	2.82	0.99	0	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68	3.18
26 Calligan Creek	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	2.00
27 Canyon Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
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	0.09
29 Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
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	0.02
31 C-Drop Hydro	1.09	0.78	0.10	0	0	0	0	0	0	0.53	0.53	1.09	1.09	1.09	0.40
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	0.71
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	2.13
34 Cereghino	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
35 Chester Hydroelectric Plant	0.25	0.25	0.25	0.12	0.32	0.70	0.52	0.59	0.52	0.74	0.74	1.00	1.06	0.40	0.54
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	0.44
37 Company Creek	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
38 Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	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	0.44
40 Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07

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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	0.12
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	0.01
43 Cushman North Fork	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
44 D. Wiggins	0	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	0.01
46 Denny Creek	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
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	2.47
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	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	0.82
50 Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
51 Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
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	0.94
54 Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
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	1.95
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	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	5.88
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	1.49
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	0.90
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	0.60
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	0.25
62 Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0.49
64 Forgy	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
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	0.32
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	0.54
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	0.23
68 Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
69 Ground Water Pumping Station	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
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	0.06
71 Hancock Creek	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	2.00
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	3.23
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	3.02
74 Hettinger	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
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	6.56
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	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	0.27
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	0.14
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	0.24
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	0.21
81 Juniper Ridge Hydro	3.29	3.29	2.81	0.84	0	0	0	0	0	1.04	1.04	2.77	3.11	3.38	1.44

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82 Kasel-Witherspon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78	0.53
83 Kaster Riverview	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
84 Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.37
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	0.73
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	0.37
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	0.54
88 Lake Creek (OR)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
89 Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
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	1.35
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	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	0.08
93 Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
94 Little Mac	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
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	0.95
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	0.46
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	5.33
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
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	1.80
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	0.03
101 LQ-LS Drains (Pigeon Cove)	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
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	23.7
103 Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	3.55
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	9.80
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	0.44
107 Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
108 Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
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	2.16
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	0.66
111 Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
112 Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
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	0.93
114 Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
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	1.42
116 Morse Creek	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
117 Mt. Tabor	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
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	0.55
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	0.85
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	0.23
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	0.19
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	0.21

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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	0.71
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	0.06
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	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	2.95
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	0.43
128 Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.81
129 Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.71
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	0.01
131 PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.82
132 Phillips Ranch	0	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	0.04
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	0.08
135 Poderosa	0.63	0.63	0.47	0.16	0.05	0.05	0.05	0.05	0.05	0.17	0.17	0.45	0.65	0.63	0.28
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	12.0
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	0.15
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	1.09
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	0.36
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	0.32
141 Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.70
142 Ravenscroft Ranch	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
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	0.21
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	0.20
145 Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
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	1.60
147 Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.41	0.47	0.46	0.46	0.20	0.09	0	0.25
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	1.84
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	0.25
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	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	0.26
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	0.12
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	0.47
154 Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
155 Smith Creek (Washington)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
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	0.04
157 Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
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	0.34
159 Spencer Lake Hydro	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
160 Spring Creek	0	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	0
162 Stevenson #1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
163 Stevenson #2	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	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	37.1
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	0.07
167 Syqitowicz Creek	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.43	0.45	0.45	0.45	0.45	0.45	0.45	0.45
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	0.05
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	3.23
170 Tieton Dam (Yakima)	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
171 Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
172 Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	7.40	4.80	7.80	14.8	14.8	13.2	24.3	18.7	9.56
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	0.01
174 Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
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	1.48
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	0.12
177 Watson Hydro	0.32	0.25	0.32	0.25	0.27	0	0	0	0.58	0.30	0.60	0.71	0.71	0.54	0.34
178 Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
179 White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
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	0.08
181 Whitefish	0.11	0.11	0.11	0.09	0.08	0.07	0.07	0.08	0.11	0.13	0.13	0.15	0.17	0.18	0.11
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	3.13
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	0.05
184 Wolf Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
185 Woods Creek	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
186 Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
187 Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
188 Youngs Creek	0.07	0.07	0.53	1.65	3.29	2.73	2.92	3.14	4.52	4.65	4.65	2.49	0.56	0.17	2.22
189 Zena Creek Ranch	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Total Small Hydro															
190 Cooperative	2.13	2.13	2.02	1.71	1.80	2.29	1.98	2.42	2.60	2.87	2.87	2.85	3.00	2.56	2.35
191 Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.24	3.30	3.29	3.29	3.03	2.92	2.83	3.08
192 Investor Owned Utilities	167	165	135	109	116	108	101	105	128	176	179	218	230	205	150
193 Marketer	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
194 Municipality	138	136	88.6	37.4	2.48	3.18	2.48	3.98	12.5	83.1	83.1	167	188	194	76.9
195 Public Utility District	19.9	19.9	15.2	13.7	10.7	10.1	10.3	10.5	13.1	22.7	22.7	23.6	22.7	22.1	16.2
196 Total Small Hydro	331	327	244	165	134	127	119	125	159	288	291	416	447	427	249

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Small Hydro															
1 Albany-Millersburg Hydroelectric	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2 Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31	0.16
4 Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.02
6 Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13	0.13
8 Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqq's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19	1.21
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11	0.06
15 Black Creek	3.08	3.08	2.78	1.85	2.78	2.78	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.96
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73	0.57
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
19 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	0.60
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	0.18
21 Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22 Buffalo Hydro	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
25 Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68	3.81
26 Calligan Creek	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	2.00
27 Canyon Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
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	0.09
29 Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
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	0.02
31 C-Drop Hydro	1.09	0.78	0.10	0	0	0	0	0	0	0.53	0.53	1.09	1.09	1.09	0.41
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	0.71
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	2.14
34 Cereghino	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
35 Chester Hydroelectric Plant	0.25	0.25	0.25	0.12	0.32	0.70	0.52	0.59	0.52	0.74	0.74	1.00	1.06	0.40	0.54
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	0.44
37 Company Creek	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
38 Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	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	0.44
40 Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	0.12
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	0.01
43 Cushman North Fork	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
44 D. Wiggins	0	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	0.01
46 Denny Creek	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
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	2.48
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	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	0.85
50 Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
51 Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
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	0.94
54 Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
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	1.95
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	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	5.88
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	1.49
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	0.89
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	0.60
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	0.25
62 Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0.49
64 Forgy	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
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	0.32
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	0.54
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	0.23
68 Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
69 Ground Water Pumping Station	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
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	0.06
71 Hancock Creek	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	2.00
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	3.24
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	3.03
74 Hettinger	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
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	6.56
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	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	0.27
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	0.14
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	0.24
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	0.21
81 Juniper Ridge Hydro	3.29	3.29	2.81	0.84	0	0	0	0	0	1.04	1.04	2.77	3.11	3.38	1.45

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	0.53
83 Kaster Riverview	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
84 Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.38
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	0.73
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	0.37
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	0.54
88 Lake Creek (OR)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
89 Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
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	1.35
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	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	0.08
93 Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
94 Little Mac	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
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	0.95
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	0.46
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	5.35
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
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	1.80
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	0.03
101 LQ-LS Drains (Pigeon Cove)	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
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	23.7
103 Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	3.56
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	9.82
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	0.44
107 Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
108 Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
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	2.15
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	0.66
111 Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
112 Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
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	0.93
114 Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
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	1.42
116 Morse Creek	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
117 Mt. Tabor	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
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	0.55
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	0.85
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	0.23
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	0.19
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	0.21

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	0.71
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	0.06
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	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	2.95
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	0.43
128 Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.82
129 Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.72
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	0.01
131 PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.83
132 Phillips Ranch	0	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	0.04
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	0.08
135 Poderosa	0.63	0.63	0.47	0.16	0.05	0.05	0.05	0.05	0.05	0.17	0.17	0.45	0.65	0.63	0.29
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	12.0
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	0.15
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	1.09
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	0.35
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	0.32
141 Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.71
142 Ravenscroft Ranch	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
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	0.21
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	0.20
145 Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
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	1.61
147 Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.42	0.47	0.46	0.46	0.20	0.09	0	0.25
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	1.84
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	0.25
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	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	0.26
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	0.12
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	0.47
154 Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
155 Smith Creek (Washington)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
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	0.04
157 Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
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	0.34
159 Spencer Lake Hydro	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
160 Spring Creek	0	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	0
162 Stevenson #1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
163 Stevenson #2	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	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	37.2
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	0.07
167 Syqitowicz Creek	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
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	0.05
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	3.24
170 Tieton Dam (Yakima)	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
171 Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
172 Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	7.40	4.80	7.80	14.8	14.8	13.2	24.3	18.7	9.57
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	0.01
174 Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
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	1.48
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	0.12
177 Watson Hydro	0.32	0.25	0.32	0.25	0.27	0	0	0	0.58	0.30	0.60	0.71	0.71	0.54	0.34
178 Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
179 White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
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	0.08
181 Whitefish	0.11	0.11	0.11	0.09	0.08	0.07	0.07	0.08	0.11	0.13	0.13	0.15	0.17	0.18	0.11
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	3.14
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	0.05
184 Wolf Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
185 Woods Creek	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
186 Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
187 Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
188 Youngs Creek	0.07	0.07	0.53	1.65	3.29	2.73	2.92	3.14	4.52	4.65	4.65	2.49	0.56	0.17	2.22
189 Zena Creek Ranch	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Total Small Hydro															
190 Cooperative	2.13	2.13	2.02	1.71	1.80	2.29	1.98	2.42	2.60	2.87	2.87	2.85	3.00	2.56	2.35
191 Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.25	3.30	3.29	3.29	3.03	2.92	2.83	3.08
192 Investor Owned Utilities	167	167	139	111	117	108	101	105	128	176	179	218	230	205	151
193 Marketer	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
194 Municipality	138	136	88.6	37.4	2.48	3.18	2.48	3.98	12.5	83.1	83.1	167	188	194	77.1
195 Public Utility District	19.9	19.9	15.2	13.7	10.7	10.1	10.3	10.5	13.1	22.7	22.7	23.6	22.7	22.1	16.3
196 Total Small Hydro	331	329	248	167	135	127	119	125	159	288	291	416	447	427	250

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Small Hydro															
1 Albany-Millersburg Hydroelectric	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2 Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31	0.16
4 Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.02
6 Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13	0.13
8 Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqq's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19	1.21
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11	0.06
15 Black Canyon	3.08	3.08	2.78	1.85	2.78	2.78	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.96
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73	0.57
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
19 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	0.60
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	0.18
21 Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22 Buffalo Hydro	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
25 Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68	3.81
26 Calligan Creek	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	2.00
27 Canyon Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
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	0.09
29 Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
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	0.02
31 C-Drop Hydro	1.09	0.78	0.10	0	0	0	0	0	0	0.53	0.53	1.09	1.09	1.09	0.41
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	0.71
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	2.14
34 Cereghino	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
35 Chester Hydroelectric Plant	0.25	0.25	0.25	0.12	0.32	0.70	0.52	0.59	0.52	0.74	0.74	1.00	1.06	0.40	0.54
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	0.44
37 Company Creek	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
38 Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	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	0.44
40 Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07

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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	0.12
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	0.01
43 Cushman North Fork	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
44 D. Wiggins	0	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	0.01
46 Denny Creek	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
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	2.48
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	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	0.85
50 Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
51 Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
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	0.94
54 Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
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	1.95
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	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	5.88
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	1.49
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	0.89
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	0.60
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	0.25
62 Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0.49
64 Forgy	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
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	0.32
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	0.54
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	0.23
68 Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
69 Ground Water Pumping Station	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
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	0.06
71 Hancock Creek	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	2.00
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	3.24
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	3.03
74 Hettinger	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
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	6.56
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	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	0.27
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	0.14
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	0.24
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	0.21
81 Juniper Ridge Hydro	3.29	3.29	2.81	0.84	0	0	0	0	0	1.04	1.04	2.77	3.11	3.38	1.45

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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	0.53
83 Kaster Riverview	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
84 Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.38
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	0.73
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	0.37
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	0.54
88 Lake Creek (OR)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
89 Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
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	1.35
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	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	0.08
93 Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
94 Little Mac	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
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	0.95
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	0.46
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	5.35
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
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	1.80
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	0.03
101 LQ-LS Drains (Pigeon Cove)	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
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	23.7
103 Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	3.56
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	9.82
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	0.44
107 Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
108 Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
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	2.15
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	0.66
111 Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
112 Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
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	0.93
114 Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
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	1.42
116 Morse Creek	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
117 Mt. Tabor	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
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	0.55
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	0.85
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	0.23
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	0.19
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	0.21

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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	0.71
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	0.06
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	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	2.95
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	0.43
128 Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.82
129 Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.72
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	0.01
131 PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.83
132 Phillips Ranch	0	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	0.04
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	0.08
135 Poderosa	0.63	0.63	0.47	0.16	0.05	0.05	0.05	0.05	0.05	0.17	0.17	0.45	0.65	0.63	0.29
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	12.0
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	0.15
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	1.09
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	0.36
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	0.32
141 Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.71
142 Ravenscroft Ranch	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
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	0.21
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	0.20
145 Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
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	1.61
147 Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.42	0.47	0.46	0.46	0.20	0.09	0	0.25
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	1.84
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	0.25
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	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	0.26
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	0.12
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	0.47
154 Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
155 Smith Creek (Washington)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
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	0.04
157 Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
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	0.34
159 Spencer Lake Hydro	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
160 Spring Creek	0	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	0
162 Stevenson #1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
163 Stevenson #2	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	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	37.2
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	0.07
167 Syqitowicz Creek	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
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	0.05
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	3.24
170 Tieton Dam (Yakima)	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
171 Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
172 Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	7.40	4.80	7.80	14.8	14.8	13.2	24.3	18.7	9.57
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	0.01
174 Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
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	1.48
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	0.12
177 Watson Hydro	0.32	0.25	0.32	0.25	0.27	0	0	0	0.58	0.30	0.60	0.71	0.71	0.54	0.34
178 Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
179 White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
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	0.08
181 Whitefish	0.11	0.11	0.11	0.09	0.08	0.07	0.07	0.08	0.11	0.13	0.13	0.15	0.17	0.18	0.11
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	3.14
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	0.05
184 Wolf Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
185 Woods Creek	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
186 Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
187 Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
188 Youngs Creek	0.07	0.07	0.53	1.65	3.29	2.73	2.92	3.14	4.52	4.65	4.65	2.49	0.56	0.17	2.22
189 Zena Creek Ranch	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Total Small Hydro															
190 Cooperative	2.13	2.13	2.02	1.71	1.80	2.29	1.98	2.42	2.60	2.87	2.87	2.85	3.00	2.56	2.35
191 Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.25	3.30	3.29	3.29	3.03	2.92	2.83	3.08
192 Investor Owned Utilities	167	167	139	111	117	108	101	105	128	176	179	218	230	205	151
193 Marketer	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
194 Municipality	138	136	88.6	37.4	2.48	3.18	2.48	3.98	12.5	83.1	83.1	167	188	194	77.1
195 Public Utility District	19.9	19.9	15.2	13.7	10.7	10.1	10.3	10.5	13.1	22.7	22.7	23.6	22.7	22.1	16.3
196 Total Small Hydro	331	329	248	167	135	127	119	125	159	288	291	416	447	427	250

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Small Hydro															
1 Albany-Millersburg Hydroelectric	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2 Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31	0.16
4 Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.02
6 Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13	0.13
8 Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqq's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19	1.21
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11	0.06
15 Black Canyon	3.08	3.08	2.78	1.85	2.78	2.78	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.96
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73	0.57
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
19 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	0.60
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	0.18
21 Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22 Buffalo Hydro	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
25 Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68	3.81
26 Calligan Creek	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	2.00
27 Canyon Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
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	0.09
29 Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
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	0.02
31 C-Drop Hydro	1.09	0.78	0.10	0	0	0	0	0	0	0.53	0.53	1.09	1.09	1.09	0.41
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	0.71
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	2.14
34 Cereghino	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
35 Chester Hydroelectric Plant	0.25	0.25	0.25	0.12	0.32	0.70	0.52	0.59	0.52	0.74	0.74	1.00	1.06	0.40	0.54
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	0.44
37 Company Creek	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
38 Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	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	0.44
40 Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07

Regional: Small Hydro
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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	0.12
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	0.01
43 Cushman North Fork	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
44 D. Wiggins	0	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	0.01
46 Denny Creek	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
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	2.48
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	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	0.85
50 Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
51 Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
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	0.94
54 Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
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	1.95
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	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	5.88
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	1.49
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	0.89
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	0.60
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	0.25
62 Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0.49
64 Forgy	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
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	0.32
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	0.54
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	0.23
68 Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
69 Ground Water Pumping Station	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
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	0.06
71 Hancock Creek	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	2.00
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	3.24
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	3.03
74 Hettinger	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
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	6.56
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	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	0.27
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	0.14
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	0.24
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	0.21
81 Juniper Ridge Hydro	3.29	3.29	2.81	0.84	0	0	0	0	0	1.04	1.04	2.77	3.11	3.38	1.45

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82 Kasel-Witherspon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78	0.53
83 Kaster Riverview	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
84 Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.38
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	0.73
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	0.37
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	0.54
88 Lake Creek (OR)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
89 Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
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	1.35
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	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	0.08
93 Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
94 Little Mac	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
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	0.95
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	0.46
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	5.35
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
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	1.80
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	0.03
101 LQ-LS Drains (Pigeon Cove)	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
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	23.7
103 Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	3.56
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	9.82
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	0.44
107 Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
108 Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
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	2.15
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	0.66
111 Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
112 Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
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	0.93
114 Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
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	1.42
116 Morse Creek	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
117 Mt. Tabor	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
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	0.55
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	0.85
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	0.23
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	0.19
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	0.21

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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	0.71
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	0.06
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	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	2.95
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	0.43
128 Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.82
129 Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.72
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	0.01
131 PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.83
132 Phillips Ranch	0	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	0.04
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	0.08
135 Poderosa	0.63	0.63	0.47	0.16	0.05	0.05	0.05	0.05	0.05	0.17	0.17	0.45	0.65	0.63	0.29
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	12.0
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	0.15
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	1.09
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	0.36
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	0.32
141 Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.71
142 Ravenscroft Ranch	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
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	0.21
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	0.20
145 Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
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	1.61
147 Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.42	0.47	0.46	0.46	0.20	0.09	0	0.25
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	1.84
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	0.25
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	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	0.26
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	0.12
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	0.47
154 Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
155 Smith Creek (Washington)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
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	0.04
157 Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
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	0.34
159 Spencer Lake Hydro	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
160 Spring Creek	0	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	0
162 Stevenson #1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
163 Stevenson #2	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

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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	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	37.2
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	0.07
167 Syqitowicz Creek	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
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	0.05
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	3.24
170 Tieton Dam (Yakima)	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
171 Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
172 Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	7.40	4.80	7.80	14.8	14.8	13.2	24.3	18.7	9.57
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	0.01
174 Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
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	1.48
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	0.12
177 Watson Hydro	0.32	0.25	0.32	0.25	0.27	0	0	0	0.58	0.30	0.60	0.71	0.71	0.54	0.34
178 Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
179 White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
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	0.08
181 Whitefish	0.11	0.11	0.11	0.09	0.08	0.07	0.07	0.08	0.11	0.13	0.13	0.15	0.17	0.18	0.11
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	3.14
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	0.05
184 Wolf Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
185 Woods Creek	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
186 Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
187 Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
188 Youngs Creek	0.07	0.07	0.53	1.65	3.29	2.73	2.92	3.14	4.52	4.65	4.65	2.49	0.56	0.17	2.22
189 Zena Creek Ranch	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Total Small Hydro															
190 Cooperative	2.13	2.13	2.02	1.71	1.80	2.29	1.98	2.42	2.60	2.87	2.87	2.85	3.00	2.56	2.35
191 Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.25	3.30	3.29	3.29	3.03	2.92	2.83	3.08
192 Investor Owned Utilities	167	167	139	111	117	108	101	105	128	176	179	218	230	205	151
193 Marketer	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
194 Municipality	138	136	88.6	37.4	2.48	3.18	2.48	3.98	12.5	83.1	83.1	167	188	194	77.1
195 Public Utility District	19.9	19.9	15.2	13.7	10.7	10.1	10.3	10.5	13.1	22.7	22.7	23.6	22.7	22.1	16.3
196 Total Small Hydro	331	329	248	167	135	127	119	125	159	288	291	416	447	427	250

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Small Hydro															
1 Albany-Millersburg Hydroelectric	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2 Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31	0.16
4 Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.02
6 Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13	0.13
8 Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqq's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19	1.21
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11	0.06
15 Black Canyon	3.08	3.08	2.78	1.85	2.78	2.78	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.96
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73	0.56
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
19 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	0.60
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	0.18
21 Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22 Buffalo Hydro	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
25 Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68	3.80
26 Calligan Creek	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	2.00
27 Canyon Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
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	0.09
29 Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
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	0.02
31 C-Drop Hydro	1.09	0.78	0.10	0	0	0	0	0	0	0.53	0.53	1.09	1.09	1.09	0.40
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	0.71
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	2.13
34 Cereghino	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
35 Chester Hydroelectric Plant	0.25	0.25	0.25	0.12	0.32	0.70	0.52	0.59	0.52	0.74	0.74	1.00	1.06	0.40	0.54
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	0.44
37 Company Creek	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
38 Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	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	0.44
40 Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	0.12
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	0.01
43 Cushman North Fork	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
44 D. Wiggins	0	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	0.01
46 Denny Creek	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
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	2.47
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	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	0.85
50 Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
51 Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
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	0.94
54 Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
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	1.95
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	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	5.88
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	1.49
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	0.90
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	0.60
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	0.25
62 Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0.49
64 Forgy	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
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	0.32
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	0.54
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	0.23
68 Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
69 Ground Water Pumping Station	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
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	0.06
71 Hancock Creek	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	2.00
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	3.23
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	3.02
74 Hettinger	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
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	6.56
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	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	0.27
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	0.14
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	0.24
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	0.21
81 Juniper Ridge Hydro	3.29	3.29	2.81	0.84	0	0	0	0	0	1.04	1.04	2.77	3.11	3.38	1.44

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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	0.53
83 Kaster Riverview	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
84 Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.37
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	0.73
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	0.37
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	0.54
88 Lake Creek (OR)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
89 Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
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	1.35
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	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	0.08
93 Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
94 Little Mac	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
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	0.95
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	0.46
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	5.33
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
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	1.80
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	0.03
101 LQ-LS Drains (Pigeon Cove)	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
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	23.7
103 Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	3.55
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	9.80
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	0.44
107 Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
108 Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
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	2.16
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	0.66
111 Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
112 Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
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	0.93
114 Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
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	1.42
116 Morse Creek	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
117 Mt. Tabor	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
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	0.55
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	0.85
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	0.23
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	0.19
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	0.21

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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	0.71
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	0.06
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	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	2.95
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	0.43
128 Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.81
129 Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.71
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	0.01
131 PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.82
132 Phillips Ranch	0	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	0.04
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	0.08
135 Poderosa	0.63	0.63	0.47	0.16	0.05	0.05	0.05	0.05	0.05	0.17	0.17	0.45	0.65	0.63	0.28
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	12.0
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	0.15
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	1.09
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	0.36
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	0.32
141 Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.70
142 Ravenscroft Ranch	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
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	0.21
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	0.20
145 Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
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	1.60
147 Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.41	0.47	0.46	0.46	0.20	0.09	0	0.25
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	1.84
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	0.25
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	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	0.26
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	0.12
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	0.47
154 Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
155 Smith Creek (Washington)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
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	0.04
157 Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
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	0.34
159 Spencer Lake Hydro	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
160 Spring Creek	0	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	0
162 Stevenson #1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
163 Stevenson #2	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

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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	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	37.1
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	0.07
167 Syqitowicz Creek	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.43	0.45	0.45	0.45	0.45	0.45	0.45	0.45
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	0.05
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	3.23
170 Tieton Dam (Yakima)	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
171 Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
172 Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	7.40	4.80	7.80	14.8	14.8	13.2	24.3	18.7	9.56
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	0.01
174 Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
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	1.48
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	0.12
177 Watson Hydro	0.32	0.25	0.32	0.25	0.27	0	0	0	0.58	0.30	0.60	0.71	0.71	0.54	0.34
178 Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
179 White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
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	0.08
181 Whitefish	0.11	0.11	0.11	0.09	0.08	0.07	0.07	0.08	0.11	0.13	0.13	0.15	0.17	0.18	0.11
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	3.13
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	0.05
184 Wolf Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
185 Woods Creek	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
186 Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
187 Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
188 Youngs Creek	0.07	0.07	0.53	1.65	3.29	2.73	2.92	3.14	4.52	4.65	4.65	2.49	0.56	0.17	2.22
189 Zena Creek Ranch	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Total Small Hydro															
190 Cooperative	2.13	2.13	2.02	1.71	1.80	2.29	1.98	2.42	2.60	2.87	2.87	2.85	3.00	2.56	2.35
191 Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.24	3.30	3.29	3.29	3.03	2.92	2.83	3.08
192 Investor Owned Utilities	167	167	139	111	117	108	101	105	128	176	179	218	230	205	151
193 Marketer	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
194 Municipality	138	136	88.6	37.4	2.48	3.18	2.48	3.98	12.5	83.1	83.1	167	188	194	76.9
195 Public Utility District	19.9	19.9	15.2	13.7	10.7	10.1	10.3	10.5	13.1	22.7	22.7	23.6	22.7	22.1	16.2
196 Total Small Hydro	331	329	248	167	135	127	119	125	159	288	291	416	447	427	249

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Small Hydro															
1 Albany-Millersburg Hydroelectric	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2 Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31	0.16
4 Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.02
6 Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13	0.13
8 Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqq's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19	1.21
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11	0.06
15 Black Canyon	3.08	3.08	2.78	1.85	2.78	2.78	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.96
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73	0.57
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
19 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	0.60
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	0.18
21 Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22 Buffalo Hydro	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
25 Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68	3.81
26 Calligan Creek	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	2.00
27 Canyon Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
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	0.09
29 Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
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	0.02
31 C-Drop Hydro	1.09	0.78	0.10	0	0	0	0	0	0	0.53	0.53	1.09	1.09	1.09	0.41
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	0.71
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	2.14
34 Cereghino	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
35 Chester Hydroelectric Plant	0.25	0.25	0.25	0.12	0.32	0.70	0.52	0.59	0.52	0.74	0.74	1.00	1.06	0.40	0.54
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	0.44
37 Company Creek	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
38 Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	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	0.44
40 Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	0.12
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	0.01
43 Cushman North Fork	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
44 D. Wiggins	0	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	0.01
46 Denny Creek	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
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	2.48
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	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	0.85
50 Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
51 Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
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	0.94
54 Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
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	1.95
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	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	5.88
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	1.49
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	0.89
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	0.60
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	0.25
62 Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0.49
64 Forgy	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
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	0.32
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	0.54
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	0.23
68 Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
69 Ground Water Pumping Station	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
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	0.06
71 Hancock Creek	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	2.00
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	3.24
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	3.03
74 Hettinger	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
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	6.56
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	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	0.27
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	0.14
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	0.24
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	0.21
81 Juniper Ridge Hydro	3.29	3.29	2.81	0.84	0	0	0	0	0	1.04	1.04	2.77	3.11	3.38	1.45

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82 Kasel-Witherspon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78	0.53
83 Kaster Riverview	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
84 Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.38
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	0.73
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	0.37
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	0.54
88 Lake Creek (OR)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
89 Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
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	1.35
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	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	0.08
93 Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
94 Little Mac	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
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	0.95
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	0.46
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	5.35
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
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	1.80
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	0.03
101 LQ-LS Drains (Pigeon Cove)	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
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	23.7
103 Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	3.56
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	9.82
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	0.44
107 Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
108 Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
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	2.15
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	0.66
111 Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
112 Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
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	0.93
114 Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
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	1.42
116 Morse Creek	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
117 Mt. Tabor	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
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	0.55
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	0.85
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	0.23
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	0.19
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	0.21

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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	0.71
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	0.06
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	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	2.95
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	0.43
128 Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.82
129 Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.72
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	0.01
131 PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.83
132 Phillips Ranch	0	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	0.04
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	0.08
135 Poderosa	0.63	0.63	0.47	0.16	0.05	0.05	0.05	0.05	0.05	0.17	0.17	0.45	0.65	0.63	0.29
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	12.0
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	0.15
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	1.09
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	0.36
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	0.32
141 Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.71
142 Ravenscroft Ranch	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
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	0.21
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	0.20
145 Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
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	1.61
147 Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.42	0.47	0.46	0.46	0.20	0.09	0	0.25
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	1.84
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	0.25
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	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	0.26
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	0.12
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	0.47
154 Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
155 Smith Creek (Washington)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
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	0.04
157 Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
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	0.34
159 Spencer Lake Hydro	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
160 Spring Creek	0	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	0
162 Stevenson #1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
163 Stevenson #2	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

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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	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	37.2
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	0.07
167 Syqitowicz Creek	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
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	0.05
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	3.24
170 Tieton Dam (Yakima)	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
171 Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
172 Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	7.40	4.80	7.80	14.8	14.8	13.2	24.3	18.7	9.57
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	0.01
174 Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
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	1.48
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	0.12
177 Watson Hydro	0.32	0.25	0.32	0.25	0.27	0	0	0	0.58	0.30	0.60	0.71	0.71	0.54	0.34
178 Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
179 White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
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	0.08
181 Whitefish	0.11	0.11	0.11	0.09	0.08	0.07	0.07	0.08	0.11	0.13	0.13	0.15	0.17	0.18	0.11
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	3.14
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	0.05
184 Wolf Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
185 Woods Creek	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
186 Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
187 Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
188 Youngs Creek	0.07	0.07	0.53	1.65	3.29	2.73	2.92	3.14	4.52	4.65	4.65	2.49	0.56	0.17	2.22
189 Zena Creek Ranch	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Total Small Hydro															
190 Cooperative	2.13	2.13	2.02	1.71	1.80	2.29	1.98	2.42	2.60	2.87	2.87	2.85	3.00	2.56	2.35
191 Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.25	3.30	3.29	3.29	3.03	2.92	2.83	3.08
192 Investor Owned Utilities	167	167	139	111	117	108	101	105	128	176	179	218	230	205	151
193 Marketer	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
194 Municipality	138	136	88.6	37.4	2.48	3.18	2.48	3.98	12.5	83.1	83.1	167	188	194	77.1
195 Public Utility District	19.9	19.9	15.2	13.7	10.7	10.1	10.3	10.5	13.1	22.7	22.7	23.6	22.7	22.1	16.3
196 Total Small Hydro	331	329	248	167	135	127	119	125	159	288	291	416	447	427	250

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Small Hydro															
1 Albany-Millersburg Hydroelectric	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2 Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31	0.16
4 Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.02
6 Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13	0.13
8 Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqq's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19	1.21
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11	0.06
15 Black Canyon	3.08	3.08	2.78	1.85	2.78	2.78	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.96
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73	0.57
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
19 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	0.60
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	0.18
21 Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22 Buffalo Hydro	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
25 Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68	3.81
26 Calligan Creek	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	2.00
27 Canyon Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
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	0.09
29 Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
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	0.02
31 C-Drop Hydro	1.09	0.78	0.10	0	0	0	0	0	0	0.53	0.53	1.09	1.09	1.09	0.41
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	0.71
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	2.14
34 Cereghino	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
35 Chester Hydroelectric Plant	0.25	0.25	0.25	0.12	0.32	0.70	0.52	0.59	0.52	0.74	0.74	1.00	1.06	0.40	0.54
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	0.44
37 Company Creek	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
38 Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	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	0.44
40 Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	0.12
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	0.01
43 Cushman North Fork	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
44 D. Wiggins	0	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	0.01
46 Denny Creek	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
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	2.48
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	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	0.85
50 Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
51 Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
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	0.94
54 Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
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	1.95
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	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	5.88
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	1.49
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	0.89
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	0.60
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	0.25
62 Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0.49
64 Forgy	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
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	0.32
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	0.54
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	0.23
68 Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
69 Ground Water Pumping Station	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
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	0.06
71 Hancock Creek	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	2.00
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	3.24
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	3.03
74 Hettinger	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
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	6.56
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	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	0.27
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	0.14
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	0.24
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	0.21
81 Juniper Ridge Hydro	3.29	3.29	2.81	0.84	0	0	0	0	0	1.04	1.04	2.77	3.11	3.38	1.45

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
82 Kasel-Witherspon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78	0.53
83 Kaster Riverview	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
84 Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.38
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	0.73
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	0.37
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	0.54
88 Lake Creek (OR)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
89 Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
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	1.35
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	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	0.08
93 Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
94 Little Mac	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
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	0.95
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	0.46
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	5.35
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
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	1.80
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	0.03
101 LQ-LS Drains (Pigeon Cove)	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
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	23.7
103 Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	3.56
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	9.82
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	0.44
107 Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
108 Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
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	2.15
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	0.66
111 Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
112 Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
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	0.93
114 Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
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	1.42
116 Morse Creek	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
117 Mt. Tabor	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
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	0.55
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	0.85
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	0.23
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	0.19
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	0.21

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	0.71
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	0.06
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	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	2.95
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	0.43
128 Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.82
129 Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.72
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	0.01
131 PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.83
132 Phillips Ranch	0	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	0.04
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	0.08
135 Poderosa	0.63	0.63	0.47	0.16	0.05	0.05	0.05	0.05	0.05	0.17	0.17	0.45	0.65	0.63	0.29
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	12.0
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	0.15
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	1.09
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	0.36
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	0.32
141 Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.71
142 Ravenscroft Ranch	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
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	0.21
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	0.20
145 Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
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	1.61
147 Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.42	0.47	0.46	0.46	0.20	0.09	0	0.25
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	1.84
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	0.25
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	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	0.26
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	0.12
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	0.47
154 Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
155 Smith Creek (Washington)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
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	0.04
157 Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
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	0.34
159 Spencer Lake Hydro	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
160 Spring Creek	0	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	0
162 Stevenson #1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
163 Stevenson #2	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	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	37.2
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	0.07
167 Syqitowicz Creek	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
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	0.05
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	3.24
170 Tieton Dam (Yakima)	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
171 Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
172 Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	7.40	4.80	7.80	14.8	14.8	13.2	24.3	18.7	9.57
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	0.01
174 Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
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	1.48
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	0.12
177 Watson Hydro	0.32	0.25	0.32	0.25	0.27	0	0	0	0.58	0.30	0.60	0.71	0.71	0.54	0.34
178 Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
179 White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
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	0.08
181 Whitefish	0.11	0.11	0.11	0.09	0.08	0.07	0.07	0.08	0.11	0.13	0.13	0.15	0.17	0.18	0.11
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	3.14
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	0.05
184 Wolf Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
185 Woods Creek	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
186 Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
187 Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
188 Youngs Creek	0.07	0.07	0.53	1.65	3.29	2.73	2.92	3.14	4.52	4.65	4.65	2.49	0.56	0.17	2.22
189 Zena Creek Ranch	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Total Small Hydro															
190 Cooperative	2.13	2.13	2.02	1.71	1.80	2.29	1.98	2.42	2.60	2.87	2.87	2.85	3.00	2.56	2.35
191 Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.25	3.30	3.29	3.29	3.03	2.92	2.83	3.08
192 Investor Owned Utilities	167	167	139	111	117	108	101	105	128	176	179	218	230	205	151
193 Marketer	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
194 Municipality	138	136	88.6	37.4	2.48	3.18	2.48	3.98	12.5	83.1	83.1	167	188	194	77.1
195 Public Utility District	19.9	19.9	15.2	13.7	10.7	10.1	10.3	10.5	13.1	22.7	22.7	23.6	22.7	22.1	16.3
196 Total Small Hydro	331	329	248	167	135	127	119	125	159	288	291	416	447	427	250

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Small Hydro															
1 Albany-Millersburg Hydroelectric	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2 Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31	0.16
4 Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.02
6 Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13	0.13
8 Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqq's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19	1.21
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11	0.06
15 Black Canyon	3.08	3.08	2.78	1.85	2.78	2.78	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.96
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73	0.57
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
19 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	0.60
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	0.18
21 Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22 Buffalo Hydro	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
25 Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68	3.81
26 Calligan Creek	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	2.00
27 Canyon Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
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	0.09
29 Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
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	0.02
31 C-Drop Hydro	1.09	0.78	0.10	0	0	0	0	0	0	0.53	0.53	1.09	1.09	1.09	0.41
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	0.71
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	2.14
34 Cereghino	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
35 Chester Hydroelectric Plant	0.25	0.25	0.25	0.12	0.32	0.70	0.52	0.59	0.52	0.74	0.74	1.00	1.06	0.40	0.54
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	0.44
37 Company Creek	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
38 Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	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	0.44
40 Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07

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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	0.12
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	0.01
43 Cushman North Fork	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
44 D. Wiggins	0	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	0.01
46 Denny Creek	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
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	2.48
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	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	0.85
50 Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
51 Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
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	0.94
54 Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
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	1.95
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	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	5.88
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	1.49
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	0.89
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	0.60
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	0.25
62 Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0.49
64 Forgy	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
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	0.32
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	0.54
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	0.23
68 Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
69 Ground Water Pumping Station	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
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	0.06
71 Hancock Creek	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	2.00
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	3.24
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	3.03
74 Hettinger	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
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	6.56
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	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	0.27
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	0.14
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	0.24
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	0.21
81 Juniper Ridge Hydro	3.29	3.29	2.81	0.84	0	0	0	0	0	1.04	1.04	2.77	3.11	3.38	1.45

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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	0.53
83 Kaster Riverview	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
84 Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.38
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	0.73
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	0.37
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	0.54
88 Lake Creek (OR)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
89 Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
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	1.35
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	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	0.08
93 Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
94 Little Mac	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
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	0.95
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	0.46
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	5.35
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
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	1.80
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	0.03
101 LQ-LS Drains (Pigeon Cove)	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
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	23.7
103 Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	3.56
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	9.82
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	0.44
107 Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
108 Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
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	2.15
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	0.66
111 Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
112 Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
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	0.93
114 Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
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	1.42
116 Morse Creek	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
117 Mt. Tabor	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
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	0.55
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	0.85
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	0.23
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	0.19
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	0.21

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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	0.71
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	0.06
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	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	2.95
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	0.43
128 Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.82
129 Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.72
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	0.01
131 PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.83
132 Phillips Ranch	0	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	0.04
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	0.08
135 Poderosa	0.63	0.63	0.47	0.16	0.05	0.05	0.05	0.05	0.05	0.17	0.17	0.45	0.65	0.63	0.29
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	12.0
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	0.15
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	1.09
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	0.36
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	0.32
141 Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.71
142 Ravenscroft Ranch	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
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	0.21
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	0.20
145 Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
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	1.61
147 Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.42	0.47	0.46	0.46	0.20	0.09	0	0.25
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	1.84
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	0.25
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	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	0.26
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	0.12
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	0.47
154 Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
155 Smith Creek (Washington)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
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	0.04
157 Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
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	0.34
159 Spencer Lake Hydro	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
160 Spring Creek	0	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	0
162 Stevenson #1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
163 Stevenson #2	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

Regional: Small Hydro
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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	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	37.2
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	0.07
167 Syqitowicz Creek	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
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	0.05
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	3.24
170 Tieton Dam (Yakima)	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
171 Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
172 Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	7.40	4.80	7.80	14.8	14.8	13.2	24.3	18.7	9.57
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	0.01
174 Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
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	1.48
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	0.12
177 Watson Hydro	0.32	0.25	0.32	0.25	0.27	0	0	0	0.58	0.30	0.60	0.71	0.71	0.54	0.34
178 Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
179 White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
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	0.08
181 Whitefish	0.11	0.11	0.11	0.09	0.08	0.07	0.07	0.08	0.11	0.13	0.13	0.15	0.17	0.18	0.11
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	3.14
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	0.05
184 Wolf Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
185 Woods Creek	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
186 Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
187 Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
188 Youngs Creek	0.07	0.07	0.53	1.65	3.29	2.73	2.92	3.14	4.52	4.65	4.65	2.49	0.56	0.17	2.22
189 Zena Creek Ranch	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Total Small Hydro															
190 Cooperative	2.13	2.13	2.02	1.71	1.80	2.29	1.98	2.42	2.60	2.87	2.87	2.85	3.00	2.56	2.35
191 Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.25	3.30	3.29	3.29	3.03	2.92	2.83	3.08
192 Investor Owned Utilities	167	167	139	111	117	108	101	105	128	176	179	218	230	205	151
193 Marketer	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
194 Municipality	138	136	88.6	37.4	2.48	3.18	2.48	3.98	12.5	83.1	83.1	167	188	194	77.1
195 Public Utility District	19.9	19.9	15.2	13.7	10.7	10.1	10.3	10.5	13.1	22.7	22.7	23.6	22.7	22.1	16.3
196 Total Small Hydro	331	329	248	167	135	127	119	125	159	288	291	416	447	427	250

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Small Hydro															
1 Albany-Millersburg Hydroelectric	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2 Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31	0.16
4 Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.02
6 Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13	0.13
8 Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqq's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19	1.21
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11	0.06
15 Black Canyon	3.08	3.08	2.78	1.85	2.78	2.78	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.96
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73	0.56
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
19 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	0.60
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	0.18
21 Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22 Buffalo Hydro	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
25 Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68	3.80
26 Calligan Creek	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	2.00
27 Canyon Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
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	0.09
29 Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
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	0.02
31 C-Drop Hydro	1.09	0.78	0.10	0	0	0	0	0	0	0.53	0.53	1.09	1.09	1.09	0.40
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	0.71
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	2.13
34 Cereghino	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
35 Chester Hydroelectric Plant	0.25	0.25	0.25	0.12	0.32	0.70	0.52	0.59	0.52	0.74	0.74	1.00	1.06	0.40	0.54
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	0.44
37 Company Creek	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
38 Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	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	0.44
40 Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	0.12
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	0.01
43 Cushman North Fork	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
44 D. Wiggins	0	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	0.01
46 Denny Creek	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
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	2.47
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	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	0.85
50 Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
51 Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
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	0.94
54 Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
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	1.95
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	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	5.88
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	1.49
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	0.90
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	0.60
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	0.25
62 Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0.49
64 Forgy	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
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	0.32
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	0.54
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	0.23
68 Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
69 Ground Water Pumping Station	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
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	0.06
71 Hancock Creek	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	2.00
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	3.23
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	3.02
74 Hettinger	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
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	6.56
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	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	0.27
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	0.14
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	0.24
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	0.21
81 Juniper Ridge Hydro	3.29	3.29	2.81	0.84	0	0	0	0	0	1.04	1.04	2.77	3.11	3.38	1.44

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
82 Kasel-Witherspon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78	0.53
83 Kaster Riverview	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
84 Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.37
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	0.73
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	0.37
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	0.54
88 Lake Creek (OR)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
89 Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
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	1.35
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	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	0.08
93 Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
94 Little Mac	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
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	0.95
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	0.46
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	5.33
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
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	1.80
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	0.03
101 LQ-LS Drains (Pigeon Cove)	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
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	23.7
103 Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	3.55
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	9.80
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	0.44
107 Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
108 Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
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	2.16
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	0.66
111 Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
112 Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
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	0.93
114 Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
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	1.42
116 Morse Creek	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
117 Mt. Tabor	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
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	0.55
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	0.85
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	0.23
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	0.19
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	0.21

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	0.71
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	0.06
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	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	2.95
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	0.43
128 Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.81
129 Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.71
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	0.01
131 PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.82
132 Phillips Ranch	0	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	0.04
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	0.08
135 Poderosa	0.63	0.63	0.47	0.16	0.05	0.05	0.05	0.05	0.05	0.17	0.17	0.45	0.65	0.63	0.28
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	12.0
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	0.15
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	1.09
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	0.36
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	0.32
141 Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.70
142 Ravenscroft Ranch	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
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	0.21
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	0.20
145 Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
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	1.60
147 Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.41	0.47	0.46	0.46	0.20	0.09	0	0.25
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	1.84
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	0.25
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	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	0.26
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	0.12
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	0.47
154 Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
155 Smith Creek (Washington)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
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	0.04
157 Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
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	0.34
159 Spencer Lake Hydro	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
160 Spring Creek	0	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	0
162 Stevenson #1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
163 Stevenson #2	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

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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	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	37.1
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	0.07
167 Syqitowicz Creek	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.43	0.45	0.45	0.45	0.45	0.45	0.45	0.45
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	0.05
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	3.23
170 Tieton Dam (Yakima)	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
171 Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
172 Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	7.40	4.80	7.80	14.8	14.8	13.2	24.3	18.7	9.56
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	0.01
174 Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
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	1.48
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	0.12
177 Watson Hydro	0.32	0.25	0.32	0.25	0.27	0	0	0	0.58	0.30	0.60	0.71	0.71	0.54	0.34
178 Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
179 White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
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	0.08
181 Whitefish	0.11	0.11	0.11	0.09	0.08	0.07	0.07	0.08	0.11	0.13	0.13	0.15	0.17	0.18	0.11
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	3.13
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	0.05
184 Wolf Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
185 Woods Creek	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
186 Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
187 Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
188 Youngs Creek	0.07	0.07	0.53	1.65	3.29	2.73	2.92	3.14	4.52	4.65	4.65	2.49	0.56	0.17	2.22
189 Zena Creek Ranch	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Total Small Hydro															
190 Cooperative	2.13	2.13	2.02	1.71	1.80	2.29	1.98	2.42	2.60	2.87	2.87	2.85	3.00	2.56	2.35
191 Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.24	3.30	3.29	3.29	3.03	2.92	2.83	3.08
192 Investor Owned Utilities	167	167	139	111	117	108	101	105	128	176	179	218	230	205	151
193 Marketer	0.65	0.65	0.49	0.14	0	0	0	0	0	0.02	0.02	0.58	0.32	0.25	0.21
194 Municipality	138	136	88.6	37.4	2.48	3.18	2.48	3.98	12.5	83.1	83.1	167	188	194	76.9
195 Public Utility District	19.9	19.9	15.2	13.7	10.7	10.1	10.3	10.5	13.1	22.7	22.7	23.6	22.7	22.1	16.2
196 Total Small Hydro	331	329	248	167	135	127	119	125	159	288	291	416	447	427	249

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Exhibit 29
Regional Combustion Turbines

Monthly Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

Regional: Combustion Turbine Resources

Operating Year 2019

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Combustion Turbine Resources															
1 Alden Baily	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	3.90	10.5	10.5	9.94
2 Basin Creek Project	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	32.5	32.5	45.0
3 Beaver	470	477	486	496	503	503	500	496	490	490	484	318	312	470	461
4 Beaver	451	458	467	477	484	484	481	477	471	471	465	305	299	451	443
5 Beaver 8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.0	13.0	18.0
6 Bennett Mountain Peaking Plant	153	153	156	160	163	169	169	164	159	160	160	104	102	153	151
7 Boulder Park	23.4	23.4	23.4	21.0	21.0	21.0	23.4	23.4	23.4	23.4	23.4	16.0	16.0	23.4	21.6
8 Carty Generating Station	374	374	378	383	392	399	401	396	390	384	384	379	376	374	385
9 Chehalis Generation Facility	379	460	465	475	484	487	488	485	483	478	478	471	157	460	446
10 Dave Gates Generating Station	143	143	143	143	143	143	143	143	143	143	143	97.5	97.5	143	135
11 Encogen	157	157	159	164	168	171	172	169	167	165	165	-51.0	108	157	142
12 Evander Andrews Complex	237	237	241	246	251	261	261	253	245	247	247	162	158	236	233
13 Danskin 1	77.9	77.9	79.8	81.7	83.6	87.4	87.4	83.6	81.7	81.7	81.7	54.1	52.2	77.9	77.4
14 Danskin 2	159	159	162	164	167	174	174	169	163	165	165	108	106	158	156
15 Frederickson CT	252	252	255	259	263	265	265	264	263	261	0	45.3	171	253	224
16 Frederickson Power Project	139	139	141	145	150	152	152	150	149	147	147	-48.0	92.7	139	125
17 Fredonia	296	296	301	310	318	324	325	321	317	313	0	50.8	198	296	268
18 Fredonia 1 & 2	195	195	198	204	209	212	213	210	208	205	0	33.6	131	195	176
19 Fredonia 3 & 4	101	101	103	107	110	112	113	111	109	108	0	17.2	67.5	101	92.0
20 Goldendale Energy Center	244	244	249	253	258	261	260	258	256	254	254	42.5	165	244	228
21 Grimes Way	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	2.60	2.60	3.80	3.60
22 Kettle Falls Station (CT)	8.10	8.10	9.00	9.50	9.50	10.5	10.5	10.5	9.50	9.50	9.50	5.30	5.30	8.10	8.77
23 Klamath Generation Facility	460	460	460	460	460	460	460	460	460	460	460	315	315	460	436
24 Klamath Generation Peakings (C	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	65.0	65.0	95.0	90.0
25 Lancaster	230	230	238	234	238	254	253	239	237	154	154	72.9	148	228	210
26 Langley Gulch CT	285	285	285	285	285	285	285	285	285	285	285	195	195	285	270
27 Mint Farm Energy Center	271	271	274	280	284	286	286	284	283	281	0	188	185	272	253
28 Northeast 1 & 2	41.8	41.8	43.7	19.8	60.8	62.7	62.7	60.8	58.9	57.0	57.0	43.7	43.7	39.9	49.5
29 Olympic View	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	3.20	3.20	5.00	4.70
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-26.4	0	0	-2.24
31 Port Westward	566	566	567	576	584	589	589	587	583	577	577	446	441	565	556
32 Port Westward 1	379	379	380	389	397	402	402	400	396	390	390	259	254	378	369
33 Port Westward 2	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187
34 Rathdrum	132	132	135	148	160	165	167	163	160	154	154	95.4	87.8	139	142
35 River Road	236	236	236	236	236	236	236	236	236	236	236	86.8	236	236	223
36 Satsop Combustion Turbine Proj	618	618	618	618	618	618	618	618	618	618	618	228	618	618	584
37 Stahlbush Island Farms Bioqas	1.46	1.46	1.50	1.46	1.50	1.46	1.46	1.61	1.46	1.50	1.50	1.46	1.50	1.46	1.48
38 University of Washington Power	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	9.80	9.80	14.3	13.5
39 Whitehorn	140	140	142	146	150	152	153	151	149	147	0	96.3	93.8	140	132

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Total Combustion Turbine Resources															
40 Investor Owned Utilities	4462	4550	4612	4670	4798	4875	4881	4819	4766	4646	3769	2741	3099	4545	4375
41 Marketer	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	607	997	1172	1110
42 Municipality	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	12.4	12.4	18.1	17.1
43 Public Utility District	378	378	379	381	383	384	384	383	383	382	251	90.2	335	378	348
44 Total	6030	6118	6182	6242	6372	6450	6456	6393	6339	6219	5210	3451	4444	6113	5850

Regional: Combustion Turbine Resources

Operating Year 2020

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Combustion Turbine Resources															
1 Alden Baily	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	3.90	10.5	10.5	9.94
2 Basin Creek Project	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	32.5	32.5	45.0
3 Beaver	470	477	486	496	503	503	500	496	490	490	484	318	312	470	461
4 Beaver	451	458	467	477	484	484	481	477	471	471	465	305	299	451	443
5 Beaver 8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.0	13.0	18.0
6 Bennett Mountain Peaking Plant	153	153	156	160	163	169	169	164	159	160	160	104	102	153	151
7 Boulder Park	23.4	23.4	23.4	21.0	21.0	21.0	23.4	23.4	23.4	23.4	23.4	16.0	16.0	23.4	21.6
8 Carty Generating Station	374	374	378	383	392	399	401	396	390	384	384	379	376	374	385
9 Chehalis Generation Facility	379	460	465	475	484	487	488	485	483	478	478	471	157	460	446
10 Dave Gates Generating Station	143	143	143	143	143	143	143	143	143	143	143	97.5	97.5	143	135
11 Encogen	157	157	159	164	168	171	172	169	167	165	165	-51.0	108	157	142
12 Evander Andrews Complex	237	237	241	246	251	261	261	253	245	247	247	162	158	236	233
13 Danskin 1	77.9	77.9	79.8	81.7	83.6	87.4	87.4	83.6	81.7	81.7	81.7	54.1	52.2	77.9	77.4
14 Danskin 2	159	159	162	164	167	174	174	169	163	165	165	108	106	158	156
15 Frederickson CT	252	252	255	259	263	265	265	264	263	261	0	45.3	171	253	224
16 Frederickson Power Project	139	139	141	145	150	152	152	150	149	147	147	-48.0	92.7	139	125
17 Fredonia	296	296	301	310	318	324	325	321	317	313	0	50.8	198	296	268
18 Fredonia 1 & 2	195	195	198	204	209	212	213	210	208	205	0	33.6	131	195	176
19 Fredonia 3 & 4	101	101	103	107	110	112	113	111	109	108	0	17.2	67.5	101	92.0
20 Goldendale Energy Center	244	244	249	253	258	261	260	258	256	254	254	42.5	165	244	228
21 Grimes Way	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	2.60	2.60	3.80	3.60
22 Kettle Falls Station (CT)	8.10	8.10	9.00	9.50	9.50	10.5	10.5	10.5	9.50	9.50	9.50	5.30	5.30	8.10	8.77
23 Klamath Generation Facility	460	460	460	460	460	460	460	460	460	460	460	315	315	460	436
24 Klamath Generation Peakings (C	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	65.0	65.0	95.0	90.0
25 Lancaster	230	230	238	234	238	254	253	239	237	154	154	109	119	228	211
26 Langley Gulch CT	285	285	285	285	285	285	285	285	285	285	285	195	195	285	270
27 Mint Farm Energy Center	271	271	274	280	284	286	286	284	283	281	0	188	185	272	253
28 Northeast 1 & 2	41.8	41.8	43.7	19.8	60.8	62.7	62.7	60.8	58.9	57.0	57.0	43.7	43.7	39.9	49.5
29 Olympic View	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	3.20	3.20	5.00	4.70
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-26.4	0	0	-2.24
31 Port Westward	566	566	567	576	584	589	589	587	583	577	577	446	441	565	556
32 Port Westward 1	379	379	380	389	397	402	402	400	396	390	390	259	254	378	369
33 Port Westward 2	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187
34 Rathdrum	132	132	135	148	160	165	167	163	160	154	154	95.4	87.8	139	142
35 River Road	236	236	236	236	236	236	236	236	236	236	236	86.8	236	236	223
36 Satsop Combustion Turbine Proj	618	618	618	618	618	618	618	618	618	618	618	228	618	618	584
37 Stahlbush Island Farms Bioqas	1.46	1.46	1.50	1.46	1.50	1.46	1.46	1.61	1.46	1.50	1.50	1.46	1.50	1.46	1.49
38 University of Washington Power	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	9.80	9.80	14.3	13.6
39 Whitehorn	140	140	142	146	150	152	153	151	149	147	0	96.3	93.8	140	132

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Total Combustion Turbine Resources															
40 Investor Owned Utilities	4462	4550	4612	4670	4798	4875	4881	4819	4766	4646	3769	2777	3070	4545	4377
41 Marketer	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	607	997	1172	1110
42 Municipality	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	12.4	12.4	18.1	17.2
43 Public Utility District	378	378	379	381	383	384	384	383	383	382	251	90.2	335	378	348
44 Total	6030	6118	6182	6242	6372	6450	6456	6393	6339	6219	5210	3487	4414	6113	5852

Regional: Combustion Turbine Resources

Operating Year 2021

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Combustion Turbine Resources															
1 Alden Baily	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	3.90	10.5	10.5	9.94
2 Basin Creek Project	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	32.5	32.5	45.0
3 Beaver	470	477	486	496	503	503	500	496	490	490	484	318	312	470	461
4 Beaver	451	458	467	477	484	484	481	477	471	471	465	305	299	451	443
5 Beaver 8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.0	13.0	18.0
6 Bennett Mountain Peaking Plant	153	153	156	160	163	169	169	164	159	160	160	104	102	153	151
7 Boulder Park	23.4	23.4	23.4	21.0	21.0	21.0	23.4	23.4	23.4	23.4	23.4	16.0	16.0	23.4	21.6
8 Carty Generating Station	374	374	378	383	392	399	401	396	390	384	384	379	376	374	385
9 Chehalis Generation Facility	460	460	465	475	484	487	488	485	483	478	478	471	157	460	450
10 Dave Gates Generating Station	143	143	143	143	143	143	143	143	143	143	143	97.5	97.5	143	135
11 Encogen	157	157	159	164	168	171	172	169	167	165	165	-51.0	108	157	142
12 Evander Andrews Complex	237	237	241	246	251	261	261	253	245	247	247	162	158	236	233
13 Danskin 1	77.9	77.9	79.8	81.7	83.6	87.4	87.4	83.6	81.7	81.7	81.7	54.1	52.2	77.9	77.4
14 Danskin 2	159	159	162	164	167	174	174	169	163	165	165	108	106	158	156
15 Frederickson CT	252	252	255	259	263	265	265	264	263	261	0	45.3	171	253	224
16 Frederickson Power Project	139	139	141	145	150	152	152	150	149	147	147	-48.0	92.7	139	125
17 Fredonia	296	296	301	310	318	324	325	321	317	313	0	50.8	198	296	268
18 Fredonia 1 & 2	195	195	198	204	209	212	213	210	208	205	0	33.6	131	195	176
19 Fredonia 3 & 4	101	101	103	107	110	112	113	111	109	108	0	17.2	67.5	101	92.0
20 Goldendale Energy Center	244	244	249	253	258	261	260	258	256	254	254	42.5	165	244	228
21 Grimes Way	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	2.60	2.60	3.80	3.60
22 Kettle Falls Station (CT)	8.10	8.10	9.00	9.50	9.50	10.5	10.5	10.5	9.50	9.50	9.50	5.30	5.30	8.10	8.77
23 Klamath Generation Facility	460	460	460	460	460	460	460	460	460	460	460	315	315	460	436
24 Klamath Generation Peakings (C	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	65.0	65.0	95.0	90.0
25 Lancaster	230	230	238	234	238	254	253	239	237	154	154	87.5	148	228	212
26 Langley Gulch CT	285	285	285	285	285	285	285	285	285	285	285	195	195	285	270
27 Mint Farm Energy Center	271	271	274	280	284	286	286	284	283	281	0	188	185	272	253
28 Northeast 1 & 2	41.8	41.8	43.7	19.8	60.8	62.7	62.7	60.8	58.9	57.0	57.0	43.7	43.7	39.9	49.5
29 Olympic View	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	3.20	3.20	5.00	4.70
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-26.4	0	0	-2.24
31 Port Westward	566	566	567	576	584	589	589	587	583	577	577	446	441	565	556
32 Port Westward 1	379	379	380	389	397	402	402	400	396	390	390	259	254	378	369
33 Port Westward 2	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187
34 Rathdrum	132	132	135	148	160	165	167	163	160	154	154	95.4	87.8	139	142
35 River Road	236	236	236	236	236	236	236	236	236	236	236	86.8	236	236	223
36 Satsop Combustion Turbine Proj	618	618	618	618	618	618	618	618	618	618	618	228	618	618	584
37 Stahlbush Island Farms Bioqas	1.46	1.46	1.50	1.46	1.50	1.46	1.46	1.61	1.46	1.50	1.50	1.46	1.50	1.46	1.48
38 University of Washington Power	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	9.80	9.80	14.3	13.5
39 Whitehorn	140	140	142	146	150	152	153	151	149	147	0	96.3	93.8	140	132

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Total Combustion Turbine Resources															
40 Investor Owned Utilities	4543	4550	4612	4670	4798	4875	4881	4819	4766	4646	3769	2755	3099	4545	4380
41 Marketer	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	607	997	1172	1110
42 Municipality	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	12.4	12.4	18.1	17.1
43 Public Utility District	378	378	379	381	383	384	384	383	383	382	251	90.2	335	378	348
44 Total	6111	6118	6182	6242	6372	6450	6456	6393	6339	6219	5210	3465	4444	6113	5855

Regional: Combustion Turbine Resources

Operating Year 2022

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Combustion Turbine Resources															
1 Alden Baily	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	3.90	10.5	10.5	9.94
2 Basin Creek Project	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	32.5	32.5	45.0
3 Beaver	470	477	486	496	503	503	500	496	490	490	484	318	312	470	461
4 Beaver	451	458	467	477	484	484	481	477	471	471	465	305	299	451	443
5 Beaver 8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.0	13.0	18.0
6 Bennett Mountain Peaking Plant	153	153	156	160	163	169	169	164	159	160	160	104	102	153	151
7 Boulder Park	23.4	23.4	23.4	21.0	21.0	21.0	23.4	23.4	23.4	23.4	23.4	16.0	16.0	23.4	21.6
8 Carty Generating Station	374	374	378	383	392	399	401	396	390	384	384	379	376	374	385
9 Chehalis Generation Facility	460	460	465	475	484	487	488	485	483	478	478	471	157	460	450
10 Dave Gates Generating Station	143	143	143	143	143	143	143	143	143	143	143	97.5	97.5	143	135
11 Encogen	157	157	159	164	168	171	172	169	167	165	165	-51.0	108	157	142
12 Evander Andrews Complex	237	237	241	246	251	261	261	253	245	247	247	162	158	236	233
13 Danskin 1	77.9	77.9	79.8	81.7	83.6	87.4	87.4	83.6	81.7	81.7	81.7	54.1	52.2	77.9	77.4
14 Danskin 2	159	159	162	164	167	174	174	169	163	165	165	108	106	158	156
15 Frederickson CT	252	252	255	259	263	265	265	264	263	261	0	45.3	171	253	224
16 Frederickson Power Project	139	139	141	145	150	152	152	150	149	147	147	-48.0	92.7	139	125
17 Fredonia	296	296	301	310	318	324	325	321	317	313	0	50.8	198	296	268
18 Fredonia 1 & 2	195	195	198	204	209	212	213	210	208	205	0	33.6	131	195	176
19 Fredonia 3 & 4	101	101	103	107	110	112	113	111	109	108	0	17.2	67.5	101	92.0
20 Goldendale Energy Center	244	244	249	253	258	261	260	258	256	254	254	42.5	165	244	228
21 Grimes Way	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	2.60	2.60	3.80	3.60
22 Kettle Falls Station (CT)	8.10	8.10	9.00	9.50	9.50	10.5	10.5	10.5	9.50	9.50	9.50	5.30	5.30	8.10	8.77
23 Klamath Generation Facility	460	460	460	460	460	460	460	460	460	460	460	315	315	460	436
24 Klamath Generation Peakings (C	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	65.0	65.0	95.0	90.0
25 Lancaster	230	230	238	234	238	254	253	239	237	154	154	72.9	148	228	210
26 Langley Gulch CT	285	285	285	285	285	285	285	285	285	285	285	195	195	285	270
27 Mint Farm Energy Center	271	271	274	280	284	286	286	284	283	281	0	188	185	272	253
28 Northeast 1 & 2	41.8	41.8	43.7	19.8	60.8	62.7	62.7	60.8	58.9	57.0	57.0	43.7	43.7	39.9	49.5
29 Olympic View	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	3.20	3.20	5.00	4.70
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-26.4	0	0	-2.24
31 Port Westward	566	566	567	576	584	589	589	587	583	577	577	446	441	565	556
32 Port Westward 1	379	379	380	389	397	402	402	400	396	390	390	259	254	378	369
33 Port Westward 2	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187
34 Rathdrum	132	132	135	148	160	165	167	163	160	154	154	95.4	87.8	139	142
35 River Road	236	236	236	236	236	236	236	236	236	236	236	86.8	236	236	223
36 Satsop Combustion Turbine Proj	618	618	618	618	618	618	618	618	618	618	618	228	618	618	584
37 Stahlbush Island Farms Bioqas	1.46	1.46	1.50	1.46	1.50	1.46	1.46	1.61	1.46	1.50	1.50	1.46	1.50	1.46	1.48
38 University of Washington Power	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	9.80	9.80	14.3	13.5
39 Whitehorn	140	140	142	146	150	152	153	151	149	147	0	96.3	93.8	140	132

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

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Total Combustion Turbine Resources															
40 Investor Owned Utilities	4543	4550	4612	4670	4798	4875	4881	4819	4766	4646	3769	2741	3099	4545	4379
41 Marketer	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	607	997	1172	1110
42 Municipality	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	12.4	12.4	18.1	17.1
43 Public Utility District	378	378	379	381	383	384	384	383	383	382	251	90.2	335	378	348
44 Total	6111	6118	6182	6242	6372	6450	6456	6393	6339	6219	5210	3451	4444	6113	5853

Regional: Combustion Turbine Resources

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Combustion Turbine Resources															
1 Alden Baily	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	3.90	10.5	10.5	9.94
2 Basin Creek Project	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	32.5	32.5	45.0
3 Beaver	470	477	486	496	503	503	500	496	490	490	484	318	312	470	461
4 Beaver	451	458	467	477	484	484	481	477	471	471	465	305	299	451	443
5 Beaver 8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.0	13.0	18.0
6 Bennett Mountain Peaking Plant	153	153	156	160	163	169	169	164	159	160	160	104	102	153	151
7 Boulder Park	23.4	23.4	23.4	21.0	21.0	21.0	23.4	23.4	23.4	23.4	23.4	16.0	16.0	23.4	21.6
8 Carty Generating Station	374	374	378	383	392	399	401	396	390	384	384	379	376	374	385
9 Chehalis Generation Facility	460	460	465	475	484	487	488	485	483	478	478	471	157	460	450
10 Dave Gates Generating Station	143	143	143	143	143	143	143	143	143	143	143	97.5	97.5	143	135
11 Encogen	157	157	159	164	168	171	172	169	167	165	165	-51.0	108	157	142
12 Evander Andrews Complex	237	237	241	246	251	261	261	253	245	247	247	162	158	236	233
13 Danskin 1	77.9	77.9	79.8	81.7	83.6	87.4	87.4	83.6	81.7	81.7	81.7	54.1	52.2	77.9	77.4
14 Danskin 2	159	159	162	164	167	174	174	169	163	165	165	108	106	158	156
15 Frederickson CT	252	252	204	207	210	212	212	211	210	209	0	36.2	137	202	183
16 Frederickson Power Project	139	139	141	145	150	152	152	150	149	147	147	-48.0	92.7	139	125
17 Fredonia	296	296	301	310	318	324	325	321	317	313	0	50.8	198	296	268
18 Fredonia 1 & 2	195	195	198	204	209	212	213	210	208	205	0	33.6	131	195	176
19 Fredonia 3 & 4	101	101	103	107	110	112	113	111	109	108	0	17.2	67.5	101	92.0
20 Goldendale Energy Center	244	244	249	253	258	261	260	258	256	254	254	42.5	165	244	228
21 Grimes Way	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	2.60	2.60	3.80	3.60
22 Kettle Falls Station (CT)	8.10	8.10	9.00	9.50	9.50	10.5	10.5	10.5	9.50	9.50	9.50	5.30	5.30	8.10	8.77
23 Klamath Generation Facility	460	460	460	460	460	460	460	460	460	460	460	315	315	460	436
24 Klamath Generation Peakings (C	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	65.0	65.0	95.0	90.0
25 Lancaster	230	230	238	234	238	254	253	239	237	154	154	72.9	148	228	210
26 Langley Gulch CT	285	285	285	285	285	285	285	285	285	285	285	195	195	285	270
27 Mint Farm Energy Center	271	271	274	280	284	286	286	284	283	281	0	188	185	272	253
28 Northeast 1 & 2	41.8	41.8	43.7	19.8	60.8	62.7	62.7	60.8	58.9	57.0	57.0	43.7	43.7	39.9	49.5
29 Olympic View	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	3.20	3.20	5.00	4.70
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-26.4	0	0	-2.24
31 Port Westward	566	566	567	576	584	589	589	587	583	577	577	446	441	565	556
32 Port Westward 1	379	379	380	389	397	402	402	400	396	390	390	259	254	378	369
33 Port Westward 2	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187
34 Rathdrum	132	132	135	148	160	165	167	163	160	154	154	95.4	87.8	139	142
35 River Road	236	236	236	236	236	236	236	236	236	236	236	86.8	236	236	223
36 Satsop Combustion Turbine Proj	618	618	618	618	618	618	618	618	618	618	618	228	618	618	584
37 Stahlbush Island Farms Bioqas	1.46	1.46	1.50	1.46	1.50	1.46	1.46	1.61	1.46	1.50	1.50	1.46	1.50	1.46	1.48
38 University of Washington Power	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	9.80	9.80	14.3	13.5
39 Whitehorn	140	140	142	146	150	152	153	151	149	147	0	96.3	93.8	140	132

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Total Combustion Turbine Resources															
40 Investor Owned Utilities	4543	4550	4612	4670	4798	4875	4881	4819	4766	4646	3769	2741	3099	4545	4379
41 Marketer	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	607	997	1172	1110
42 Municipality	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	12.4	12.4	18.1	17.1
43 Public Utility District	378	378	328	329	331	331	331	331	330	330	251	81.2	301	327	307
44 Total	6111	6118	6131	6190	6319	6397	6403	6340	6286	6166	5210	3442	4410	6063	5813

Regional: Combustion Turbine Resources

Operating Year 2024

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Combustion Turbine Resources															
1 Alden Baily	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	3.90	10.5	10.5	9.94
2 Basin Creek Project	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	32.5	32.5	45.0
3 Beaver	470	477	486	496	503	503	500	496	490	490	484	318	312	470	461
4 Beaver	451	458	467	477	484	484	481	477	471	471	465	305	299	451	443
5 Beaver 8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.0	13.0	18.0
6 Bennett Mountain Peaking Plant	153	153	156	160	163	169	169	164	159	160	160	104	102	153	151
7 Boulder Park	23.4	23.4	23.4	21.0	21.0	21.0	23.4	23.4	23.4	23.4	23.4	16.0	16.0	23.4	21.6
8 Carty Generating Station	374	374	378	383	392	399	401	396	390	384	384	379	376	374	385
9 Chehalis Generation Facility	460	460	465	475	484	487	488	485	483	478	478	471	157	460	450
10 Dave Gates Generating Station	143	143	143	143	143	143	143	143	143	143	143	97.5	97.5	143	135
11 Encogen	157	157	159	164	168	171	172	169	167	165	165	-51.0	108	157	142
12 Evander Andrews Complex	237	237	241	246	251	261	261	253	245	247	247	162	158	236	233
13 Danskin 1	77.9	77.9	79.8	81.7	83.6	87.4	87.4	83.6	81.7	81.7	81.7	54.1	52.2	77.9	77.4
14 Danskin 2	159	159	162	164	167	174	174	169	163	165	165	108	106	158	156
15 Frederickson CT	202	202	204	207	210	212	212	211	210	209	0	36.2	137	202	179
16 Frederickson Power Project	139	139	141	145	150	152	152	150	149	147	147	-48.0	92.7	139	125
17 Fredonia	296	296	301	310	318	324	325	321	317	313	0	50.8	198	296	268
18 Fredonia 1 & 2	195	195	198	204	209	212	213	210	208	205	0	33.6	131	195	176
19 Fredonia 3 & 4	101	101	103	107	110	112	113	111	109	108	0	17.2	67.5	101	92.0
20 Goldendale Energy Center	244	244	249	253	258	261	260	258	256	254	254	42.5	165	244	228
21 Grimes Way	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	2.60	2.60	3.80	3.60
22 Kettle Falls Station (CT)	8.10	8.10	9.00	9.50	9.50	10.5	10.5	10.5	9.50	9.50	9.50	5.30	5.30	8.10	8.77
23 Klamath Generation Facility	460	460	460	460	460	460	460	460	460	460	460	315	315	460	436
24 Klamath Generation Peakings (C	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	65.0	65.0	95.0	90.0
25 Lancaster	230	230	238	234	238	254	253	239	237	154	154	109	119	228	211
26 Langley Gulch CT	285	285	285	285	285	285	285	285	285	285	285	195	195	285	270
27 Mint Farm Energy Center	271	271	274	280	284	286	286	284	283	281	0	188	185	272	253
28 Northeast 1 & 2	41.8	41.8	43.7	19.8	60.8	62.7	62.7	60.8	58.9	57.0	57.0	43.7	43.7	39.9	49.5
29 Olympic View	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	3.20	3.20	5.00	4.70
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-26.4	0	0	-2.24
31 Port Westward	566	566	567	576	584	589	589	587	583	577	577	446	441	565	556
32 Port Westward 1	379	379	380	389	397	402	402	400	396	390	390	259	254	378	369
33 Port Westward 2	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187
34 Rathdrum	132	132	135	148	160	165	167	163	160	154	154	95.4	87.8	139	142
35 River Road	236	236	236	236	236	236	236	236	236	236	236	86.8	236	236	223
36 Satsop Combustion Turbine Proj	618	618	618	618	618	618	618	618	618	618	618	228	618	618	584
37 Stahlbush Island Farms Bioqas	1.46	1.46	1.50	1.46	1.50	1.46	1.46	1.61	1.46	1.50	1.50	1.46	1.50	1.46	1.49
38 University of Washington Power	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	9.80	9.80	14.3	13.6
39 Whitehorn	140	140	142	146	150	152	153	151	149	147	0	96.3	93.8	140	132

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Total Combustion Turbine Resources															
40 Investor Owned Utilities	4543	4550	4612	4670	4798	4875	4881	4819	4766	4646	3769	2777	3070	4545	4381
41 Marketer	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	607	997	1172	1110
42 Municipality	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	12.4	12.4	18.1	17.2
43 Public Utility District	327	327	328	329	331	331	331	331	330	330	251	81.2	301	327	303
44 Total	6061	6067	6131	6190	6319	6397	6403	6340	6286	6166	5210	3478	4380	6063	5811

Regional: Combustion Turbine Resources

Operating Year 2025

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Combustion Turbine Resources															
1 Alden Baily	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	3.90	10.5	10.5	9.94
2 Basin Creek Project	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	32.5	32.5	45.0
3 Beaver	470	477	486	496	503	503	500	496	490	490	484	318	312	470	461
4 Beaver	451	458	467	477	484	484	481	477	471	471	465	305	299	451	443
5 Beaver 8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.0	13.0	18.0
6 Bennett Mountain Peaking Plant	153	153	156	160	163	169	169	164	159	160	160	104	102	153	151
7 Boulder Park	23.4	23.4	23.4	21.0	21.0	21.0	23.4	23.4	23.4	23.4	23.4	16.0	16.0	23.4	21.6
8 Carty Generating Station	374	374	378	383	392	399	401	396	390	384	384	379	376	374	385
9 Chehalis Generation Facility	460	460	465	475	484	487	488	485	483	478	478	471	157	460	450
10 Dave Gates Generating Station	143	143	143	143	143	143	143	143	143	143	143	97.5	97.5	143	135
11 Encogen	157	157	159	164	168	171	172	169	167	165	165	-51.0	108	157	142
12 Evander Andrews Complex	237	237	241	246	251	261	261	253	245	247	247	162	158	236	233
13 Danskin 1	77.9	77.9	79.8	81.7	83.6	87.4	87.4	83.6	81.7	81.7	81.7	54.1	52.2	77.9	77.4
14 Danskin 2	159	159	162	164	167	174	174	169	163	165	165	108	106	158	156
15 Frederickson CT	202	202	204	207	210	212	212	211	210	209	0	36.2	137	202	179
16 Frederickson Power Project	139	139	141	145	150	152	152	150	149	147	147	-48.0	92.7	139	125
17 Fredonia	296	296	301	310	318	324	325	321	317	313	0	50.8	198	296	268
18 Fredonia 1 & 2	195	195	198	204	209	212	213	210	208	205	0	33.6	131	195	176
19 Fredonia 3 & 4	101	101	103	107	110	112	113	111	109	108	0	17.2	67.5	101	92.0
20 Goldendale Energy Center	244	244	249	253	258	261	260	258	256	254	254	42.5	165	244	228
21 Grimes Way	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	2.60	2.60	3.80	3.60
22 Kettle Falls Station (CT)	8.10	8.10	9.00	9.50	9.50	10.5	10.5	10.5	9.50	9.50	9.50	5.30	5.30	8.10	8.77
23 Klamath Generation Facility	460	460	460	460	460	460	460	460	460	460	460	315	315	460	436
24 Klamath Generation Peakings (C	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	65.0	65.0	95.0	90.0
25 Lancaster	230	230	238	234	238	254	253	239	237	154	154	87.5	148	228	212
26 Langley Gulch CT	285	285	285	285	285	285	285	285	285	285	285	195	195	285	270
27 Mint Farm Energy Center	271	271	274	280	284	286	286	284	283	281	0	188	185	272	253
28 Northeast 1 & 2	41.8	41.8	43.7	19.8	60.8	62.7	62.7	60.8	58.9	57.0	57.0	43.7	43.7	39.9	49.5
29 Olympic View	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	3.20	3.20	5.00	4.70
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-26.4	0	0	-2.24
31 Port Westward	566	566	567	576	584	589	589	587	583	577	577	446	441	565	556
32 Port Westward 1	379	379	380	389	397	402	402	400	396	390	390	259	254	378	369
33 Port Westward 2	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187
34 Rathdrum	132	132	135	148	160	165	167	163	160	154	154	95.4	87.8	139	142
35 River Road	236	236	236	236	236	236	236	236	236	236	236	86.8	236	236	223
36 Satsop Combustion Turbine Proj	618	618	618	618	618	618	618	618	618	618	618	228	618	618	584
37 Stahlbush Island Farms Bioqas	1.46	1.46	1.50	1.46	1.50	1.46	1.46	1.61	1.46	1.50	1.50	1.46	1.50	1.46	1.48
38 University of Washington Power	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	9.80	9.80	14.3	13.5
39 Whitehorn	140	140	142	146	150	152	153	151	149	147	0	96.3	93.8	140	132

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

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Total Combustion Turbine Resources															
40 Investor Owned Utilities	4543	4550	4612	4670	4798	4875	4881	4819	4766	4646	3769	2755	3099	4545	4380
41 Marketer	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	607	997	1172	1110
42 Municipality	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	12.4	12.4	18.1	17.1
43 Public Utility District	327	327	328	329	331	331	331	331	330	330	251	81.2	301	327	303
44 Total	6061	6067	6131	6190	6319	6397	6403	6340	6286	6166	5210	3456	4410	6063	5810

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Combustion Turbine Resources															
1 Alden Baily	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	3.90	10.5	10.5	9.94
2 Basin Creek Project	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	32.5	32.5	47.5	45.0
3 Beaver	470	477	486	496	503	503	500	496	490	490	484	318	312	470	461
4 Beaver	451	458	467	477	484	484	481	477	471	471	465	305	299	451	443
5 Beaver 8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.0	13.0	19.0	18.0
6 Bennett Mountain Peaking Plant	153	153	156	160	163	169	169	164	159	160	160	104	102	153	151
7 Boulder Park	23.4	23.4	23.4	21.0	21.0	21.0	23.4	23.4	23.4	23.4	23.4	16.0	16.0	23.4	21.6
8 Carty Generating Station	374	374	378	383	392	399	401	396	390	384	384	379	376	374	385
9 Chehalis Generation Facility	460	460	465	475	484	487	488	485	483	478	478	471	157	460	450
10 Dave Gates Generating Station	143	143	143	143	143	143	143	143	143	143	143	97.5	97.5	143	135
11 Encogen	157	157	159	164	168	171	172	169	167	165	165	-51.0	108	157	142
12 Evander Andrews Complex	237	237	241	246	251	261	261	253	245	247	247	162	158	236	233
13 Danskin 1	77.9	77.9	79.8	81.7	83.6	87.4	87.4	83.6	81.7	81.7	81.7	54.1	52.2	77.9	77.4
14 Danskin 2	159	159	162	164	167	174	174	169	163	165	165	108	106	158	156
15 Frederickson CT	202	202	204	207	210	212	212	211	210	209	0	36.2	137	202	179
16 Frederickson Power Project	139	139	141	145	150	152	152	150	149	147	147	-48.0	92.7	139	125
17 Fredonia	296	296	301	310	318	324	325	321	317	313	0	50.8	198	296	268
18 Fredonia 1 & 2	195	195	198	204	209	212	213	210	208	205	0	33.6	131	195	176
19 Fredonia 3 & 4	101	101	103	107	110	112	113	111	109	108	0	17.2	67.5	101	92.0
20 Goldendale Energy Center	244	244	249	253	258	261	260	258	256	254	254	42.5	165	244	228
21 Grimes Way	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	2.60	2.60	3.80	3.60
22 Kettle Falls Station (CT)	8.10	8.10	9.00	9.50	9.50	10.5	10.5	10.5	9.50	9.50	9.50	5.30	5.30	8.10	8.77
23 Klamath Generation Facility	460	460	460	460	460	460	460	460	460	460	460	315	315	460	436
24 Klamath Generation Peakings (C	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	65.0	65.0	95.0	90.0
25 Lancaster	230	230	238	234	238	254	253	239	237	154	154	72.9	148	228	210
26 Langley Gulch CT	285	285	285	285	285	285	285	285	285	285	285	195	195	285	270
27 Mint Farm Energy Center	271	271	274	280	284	286	286	284	283	281	0	188	185	272	253
28 Northeast 1 & 2	41.8	41.8	43.7	19.8	60.8	62.7	62.7	60.8	58.9	57.0	57.0	43.7	43.7	39.9	49.5
29 Olympic View	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	3.20	3.20	5.00	4.70
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-26.4	0	0	-2.24
31 Port Westward	566	566	567	576	584	589	589	587	583	577	577	446	441	565	556
32 Port Westward 1	379	379	380	389	397	402	402	400	396	390	390	259	254	378	369
33 Port Westward 2	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187
34 Rathdrum	132	132	135	148	160	165	167	163	160	154	154	95.4	87.8	139	142
35 River Road	236	236	236	236	236	236	236	236	236	236	236	86.8	236	236	223
36 Satsop Combustion Turbine Proj	618	618	618	618	618	618	618	618	618	618	618	228	618	618	584
37 Stahlbush Island Farms Bioqas	1.46	1.46	1.50	1.46	1.50	1.46	1.46	1.61	1.46	1.50	1.50	1.46	1.50	1.46	1.48
38 University of Washington Power	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	9.80	9.80	14.3	13.5
39 Whitehorn	140	140	142	146	150	152	153	151	149	147	0	96.3	93.8	140	132

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Total Combustion Turbine Resources															
40 Investor Owned Utilities	4543	4550	4612	4670	4798	4875	4881	4819	4766	4646	3769	2741	3099	4545	4379
41 Marketer	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	607	997	1172	1110
42 Municipality	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	12.4	12.4	18.1	17.1
43 Public Utility District	327	327	328	329	331	331	331	331	330	330	251	81.2	301	327	303
44 Total	6061	6067	6131	6190	6319	6397	6403	6340	6286	6166	5210	3442	4410	6063	5809

Regional: Combustion Turbine Resources

Operating Year 2027

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Combustion Turbine Resources															
1 Alden Baily	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	3.90	10.5	10.5	9.94
2 Basin Creek Project	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	32.5	32.5	45.0
3 Beaver	470	477	486	496	503	503	500	496	490	490	484	318	312	470	461
4 Beaver	451	458	467	477	484	484	481	477	471	471	465	305	299	451	443
5 Beaver 8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.0	13.0	18.0
6 Bennett Mountain Peaking Plant	153	153	156	160	163	169	169	164	159	160	160	104	102	153	151
7 Boulder Park	23.4	23.4	23.4	21.0	21.0	21.0	23.4	23.4	23.4	23.4	23.4	16.0	16.0	23.4	21.6
8 Carty Generating Station	374	374	378	383	392	399	401	396	390	384	384	379	376	374	385
9 Chehalis Generation Facility	460	460	465	475	484	487	488	485	483	478	478	471	157	460	450
10 Dave Gates Generating Station	143	143	143	143	143	143	143	143	143	143	143	97.5	97.5	143	135
11 Encogen	157	157	159	164	168	171	172	169	167	165	165	-51.0	108	157	142
12 Evander Andrews Complex	237	237	241	246	251	261	261	253	245	247	247	162	158	236	233
13 Danskin 1	77.9	77.9	79.8	81.7	83.6	87.4	87.4	83.6	81.7	81.7	81.7	54.1	52.2	77.9	77.4
14 Danskin 2	159	159	162	164	167	174	174	169	163	165	165	108	106	158	156
15 Frederickson CT	202	202	204	207	210	212	212	211	210	209	0	36.2	137	202	179
16 Frederickson Power Project	139	139	141	145	150	152	152	150	149	147	147	-48.0	92.7	139	125
17 Fredonia	296	296	301	310	318	324	325	321	317	313	0	50.8	198	296	268
18 Fredonia 1 & 2	195	195	198	204	209	212	213	210	208	205	0	33.6	131	195	176
19 Fredonia 3 & 4	101	101	103	107	110	112	113	111	109	108	0	17.2	67.5	101	92.0
20 Goldendale Energy Center	244	244	249	253	258	261	260	258	256	254	254	42.5	165	244	228
21 Grimes Way	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	2.60	2.60	3.80	3.60
22 Kettle Falls Station (CT)	8.10	8.10	9.00	9.50	9.50	10.5	10.5	10.5	9.50	9.50	9.50	5.30	5.30	8.10	8.77
23 Klamath Generation Facility	460	460	460	460	460	460	460	460	460	460	460	315	315	460	436
24 Klamath Generation Peakings (C	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	65.0	65.0	95.0	90.0
25 Lancaster	230	230	238	234	238	254	253	239	237	154	154	72.9	148	228	210
26 Langley Gulch CT	285	285	285	285	285	285	285	285	285	285	285	195	195	285	270
27 Mint Farm Energy Center	271	271	274	280	284	286	286	284	283	281	0	188	185	272	253
28 Northeast 1 & 2	41.8	41.8	43.7	19.8	60.8	62.7	62.7	60.8	58.9	57.0	57.0	43.7	43.7	39.9	49.5
29 Olympic View	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	3.20	3.20	5.00	4.70
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-26.4	0	0	-2.24
31 Port Westward	566	566	567	576	584	589	589	587	583	577	577	446	441	565	556
32 Port Westward 1	379	379	380	389	397	402	402	400	396	390	390	259	254	378	369
33 Port Westward 2	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187
34 Rathdrum	132	132	135	148	160	165	167	163	160	154	154	95.4	87.8	139	142
35 River Road	236	236	236	236	236	236	236	236	236	236	236	86.8	236	236	223
36 Satsop Combustion Turbine Proj	618	618	618	618	618	618	618	618	618	618	618	228	618	618	584
37 Stahlbush Island Farms Bioqas	1.46	1.46	1.50	1.46	1.50	1.46	1.46	1.61	1.46	1.50	1.50	1.46	1.50	1.46	1.48
38 University of Washington Power	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	9.80	9.80	14.3	13.5
39 Whitehorn	140	140	142	146	150	152	153	151	149	147	0	96.3	93.8	140	132

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Total Combustion Turbine Resources															
40 Investor Owned Utilities	4543	4550	4612	4670	4798	4875	4881	4819	4766	4646	3769	2741	3099	4545	4379
41 Marketer	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	607	997	1172	1110
42 Municipality	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	12.4	12.4	18.1	17.1
43 Public Utility District	327	327	328	329	331	331	331	331	330	330	251	81.2	301	327	303
44 Total	6061	6067	6131	6190	6319	6397	6403	6340	6286	6166	5210	3442	4410	6063	5809

Regional: Combustion Turbine Resources

Operating Year 2028

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Combustion Turbine Resources															
1 Alden Baily	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	3.90	10.5	10.5	9.94
2 Basin Creek Project	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	32.5	32.5	45.0
3 Beaver	470	477	486	496	503	503	500	496	490	490	484	318	312	470	461
4 Beaver	451	458	467	477	484	484	481	477	471	471	465	305	299	451	443
5 Beaver 8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.0	13.0	18.0
6 Bennett Mountain Peaking Plant	153	153	156	160	163	169	169	164	159	160	160	104	102	153	151
7 Boulder Park	23.4	23.4	23.4	21.0	21.0	21.0	23.4	23.4	23.4	23.4	23.4	16.0	16.0	23.4	21.6
8 Carty Generating Station	374	374	378	383	392	399	401	396	390	384	384	379	376	374	385
9 Chehalis Generation Facility	460	460	465	475	484	487	488	485	483	478	478	471	157	460	450
10 Dave Gates Generating Station	143	143	143	143	143	143	143	143	143	143	143	97.5	97.5	143	135
11 Encogen	157	157	159	164	168	171	172	169	167	165	165	-51.0	108	157	142
12 Evander Andrews Complex	237	237	241	246	251	261	261	253	245	247	247	162	158	236	233
13 Danskin 1	77.9	77.9	79.8	81.7	83.6	87.4	87.4	83.6	81.7	81.7	81.7	54.1	52.2	77.9	77.4
14 Danskin 2	159	159	162	164	167	174	174	169	163	165	165	108	106	158	156
15 Frederickson CT	202	202	204	207	210	212	212	211	210	209	0	36.2	137	202	179
16 Frederickson Power Project	139	139	141	145	150	152	152	150	149	147	147	-48.0	92.7	139	125
17 Fredonia	296	296	301	310	318	324	325	321	317	313	0	50.8	198	296	268
18 Fredonia 1 & 2	195	195	198	204	209	212	213	210	208	205	0	33.6	131	195	176
19 Fredonia 3 & 4	101	101	103	107	110	112	113	111	109	108	0	17.2	67.5	101	92.0
20 Goldendale Energy Center	244	244	249	253	258	261	260	258	256	254	254	42.5	165	244	228
21 Grimes Way	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.80	2.60	2.60	3.80	3.60
22 Kettle Falls Station (CT)	8.10	8.10	9.00	9.50	9.50	10.5	10.5	10.5	9.50	9.50	9.50	5.30	5.30	8.10	8.77
23 Klamath Generation Facility	460	460	460	460	460	460	460	460	460	460	460	315	315	460	436
24 Klamath Generation Peakings (C	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	65.0	65.0	95.0	90.0
25 Lancaster	230	230	238	234	238	254	253	239	237	154	154	109	119	228	211
26 Langley Gulch CT	285	285	285	285	285	285	285	285	285	285	285	195	195	285	270
27 Mint Farm Energy Center	271	271	274	280	284	286	286	284	283	281	0	188	185	272	253
28 Northeast 1 & 2	41.8	41.8	43.7	19.8	60.8	62.7	62.7	60.8	58.9	57.0	57.0	43.7	43.7	39.9	49.5
29 Olympic View	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	3.20	3.20	5.00	4.70
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-26.4	0	0	-2.24
31 Port Westward	566	566	567	576	584	589	589	587	583	577	577	446	441	565	556
32 Port Westward 1	379	379	380	389	397	402	402	400	396	390	390	259	254	378	369
33 Port Westward 2	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187
34 Rathdrum	132	132	135	148	160	165	167	163	160	154	154	95.4	87.8	139	142
35 River Road	236	236	236	236	236	236	236	236	236	236	236	86.8	236	236	223
36 Satsop Combustion Turbine Proj	618	618	618	618	618	618	618	618	618	618	618	228	618	618	584
37 Stahlbush Island Farms Bioqas	1.46	1.46	1.50	1.46	1.50	1.46	1.46	1.61	1.46	1.50	1.50	1.46	1.50	1.46	1.49
38 University of Washington Power	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	9.80	9.80	14.3	13.6
39 Whitehorn	140	140	142	146	150	152	153	151	149	147	0	96.3	93.8	140	132

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Total Combustion Turbine Resources															
40 Investor Owned Utilities	4543	4550	4612	4670	4798	4875	4881	4819	4766	4646	3769	2777	3070	4545	4381
41 Marketer	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	1172	607	997	1172	1110
42 Municipality	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	12.4	12.4	18.1	17.2
43 Public Utility District	327	327	328	329	331	331	331	331	330	330	251	81.2	301	327	303
44 Total	6061	6067	6131	6190	6319	6397	6403	6340	6286	6166	5210	3478	4380	6063	5811

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Exhibit 30
Regional Renewable Resources

Monthly Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Renewable Resources															
1 3 Bar G Wind	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
2 American Falls Solar	16.0	16.0	14.0	12.0	8.00	4.00	2.00	4.00	6.00	10.00	10.00	12.0	14.0	16.0	9.86
3 American Falls Solar 1	8.00	8.00	7.00	6.00	4.00	2.00	1.00	2.00	3.00	5.00	5.00	6.00	7.00	8.00	4.93
4 American Falls Solar 2	8.00	8.00	7.00	6.00	4.00	2.00	1.00	2.00	3.00	5.00	5.00	6.00	7.00	8.00	4.93
5 Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
6 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0
10 Baldock Solar	0.31	0.31	0.25	0.18	0.09	0.06	0.10	0.13	0.21	0.25	0.25	0.32	0.32	0.35	0.21
11 Bannock County Landfill	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
12 Bellevue Solar (Amity, OR)	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.21
13 Bennett Creek Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
14 Benson Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
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	0.69
16 Big Horn Wind	40.2	60.2	56.0	45.0	64.5	49.1	26.3	43.5	50.0	89.4	75.2	80.5	79.6	77.8	58.7
17 Big Horn 1	32.1	48.2	44.8	36.0	51.5	39.3	21.0	34.8	40.0	71.5	60.1	64.3	63.6	62.2	47.0
18 Big Horn 2	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
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	1.06
20 Biglow Canyon Wind	72.4	109	101	81.1	116	88.6	47.4	78.4	90.1	161	136	145	143	140	106
21 Biglow Canyon 1	20.2	30.3	28.1	22.6	32.4	24.7	13.2	21.9	25.1	44.9	37.8	40.4	40.0	39.1	29.5
22 Biglow Canyon 2	24.1	36.1	33.5	27.0	38.6	29.4	15.7	26.1	30.0	53.6	45.1	48.2	47.7	46.6	35.2
23 Biglow Canyon 3	28.1	42.2	39.2	31.5	45.2	34.4	18.4	30.5	35.0	62.6	52.7	56.4	55.7	54.5	41.2
24 Black Cap Solar Project	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
25 Blue Basin Power	0.52	0.52	0.52	0.39	0.39	0.26	0.13	0.13	0.26	0.26	0.26	0.39	0.39	0.52	0.35
26 Boise City Solar	16.2	16.2	13.7	11.6	7.07	6.09	6.19	9.07	11.1	12.9	12.9	15.1	16.0	17.4	11.9
27 Burley Butte Wind	3.14	4.71	4.38	3.52	5.04	3.84	2.05	3.40	3.91	6.99	5.88	6.29	6.22	6.08	4.59
28 Camp Reed Wind	3.62	5.43	5.05	4.06	5.81	4.43	2.37	3.92	4.51	8.06	6.78	7.26	7.18	7.01	5.30
29 Cassia Farms Wind	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
30 Cassia Gulch Wind	3.04	4.56	4.24	3.41	4.88	3.72	1.99	3.29	3.79	6.77	5.70	6.10	6.03	5.89	4.45
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	1.16
32 Clark Community Solar	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
33 Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36
34 Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38
35 Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98
36 Cold Springs Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
37 Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
38 Combine Hills Wind	16.7	25.1	23.3	18.8	26.9	20.5	11.0	18.1	20.8	37.3	31.4	33.5	33.2	32.4	24.5
39 Combine Hills 2	10.1	15.2	14.1	11.4	16.3	12.4	6.64	11.0	12.6	22.6	19.0	20.3	20.1	19.6	14.8

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40 Combine Hills I	6.60	9.90	9.20	7.39	10.6	8.08	4.32	7.15	8.21	14.7	12.4	13.2	13.1	12.8	9.65
41 Condon Wind	8.02	12.0	11.2	8.98	12.9	9.81	5.25	8.68	9.98	17.8	15.0	16.1	15.9	15.5	11.7
42 Condon 1	3.96	5.94	5.52	4.44	6.36	4.85	2.59	4.29	4.93	8.82	7.42	7.93	7.84	7.67	5.79
43 Condon 2	4.06	6.08	5.65	4.54	6.51	4.96	2.65	4.39	5.05	9.03	7.60	8.13	8.04	7.85	5.93
44 Cowlitz Community Solar	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	0.09
45 Cowlitz Community Solar - Admin Building	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
46 Cowlitz Community Solar - Operations Building	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
47 Deep Creek Wind	0	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	1.20
49 Desert Meadow Windfarm	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
50 Domaine Drouhin Solar	0.02	0.02	0.02	0.01	0	0	0	0.01	0.01	0	0	0	0.01	0.01	0.01
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	1.00
52 Double B Digester	0	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	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	1.26
55 Durbin Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
56 Echo Wind Farm	10.4	15.6	14.5	11.6	16.7	12.7	6.80	11.2	12.9	23.1	19.5	20.8	20.6	20.1	15.2
57 Echo Wind 1	7.17	10.8	10.00	8.03	11.5	8.77	4.69	7.76	8.93	16.0	13.4	14.4	14.2	13.9	10.5
58 Echo Wind 2	3.22	4.83	4.49	3.61	5.17	3.94	2.11	3.49	4.01	7.17	6.03	6.45	6.38	6.23	4.71
59 Edaleen Cow Power	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
60 Elkhorn Valley Wind Project	16.2	24.3	22.6	18.1	26.0	19.8	10.6	17.5	20.2	36.1	30.3	32.5	32.1	31.4	23.7
61 Farm Power Lynden	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
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	0.75
63 Farm Power Rexville	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
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	1.00
65 Fighting Creek Landfill	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
66 Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
67 Finn Hill Solar	0.07	0.07	0.06	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.06	0.07	0.05
68 Flathead County Landfill	1.33	1.33	1.33	1.33	1.23	1.24	1.24	1.28	1.24	1.33	1.33	1.33	1.33	1.33	1.30
69 Foote Creek 1 Wind	6.66	10.00	9.29	7.46	10.7	8.15	4.36	7.21	8.29	14.8	12.5	13.4	13.2	12.9	9.75
70 Foote Creek 2 Wind	0.29	0.44	0.40	0.33	0.47	0.36	0.19	0.31	0.36	0.65	0.54	0.58	0.57	0.56	0.42
71 Foote Creek 4 Wind	2.70	4.06	3.77	3.03	4.34	3.31	1.77	2.93	3.37	6.02	5.07	5.42	5.36	5.24	3.96
72 Forest Glen Oaks Dairy	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
73 Fossil Gulch Wind Project	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
74 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Golden Valley Wind	1.93	2.90	2.69	2.16	3.10	2.36	1.26	2.09	2.40	4.30	3.62	3.87	3.83	3.74	2.83
76 Goodnoe Hills Wind	15.1	22.7	21.1	16.9	24.3	18.5	9.90	16.4	18.8	33.7	28.3	30.3	30.0	29.3	22.1
77 Goshen North (Ridgeline Wind)	20.0	30.1	27.9	22.4	32.2	24.5	13.1	21.7	24.9	44.6	37.5	40.2	39.7	38.8	29.3
78 Grayland Wind	0.97	1.45	1.35	1.08	1.55	1.18	0.63	1.05	1.20	2.15	1.81	1.94	1.91	1.87	1.41
79 Grove Solar Center	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	0	1.00	1.00	1.00	1.54

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80 H.W. Hill Landfill Gas (Roosevelt)	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
81 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 HW Hill Landfill Gas 2	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
83 Hammett Hill Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
84 Harvest Wind	15.9	23.9	22.2	17.8	25.6	19.5	10.4	17.2	19.8	35.4	29.8	31.9	31.5	30.8	23.3
85 Hay Canyon Wind	16.2	24.3	22.6	18.2	26.0	19.9	10.6	17.6	20.2	36.1	30.4	32.5	32.1	31.4	23.7
86 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
88 High Mesa Wind	6.42	9.63	8.95	7.19	10.3	7.86	4.20	6.95	7.99	14.3	12.0	12.9	12.7	12.4	9.39
89 Hopkins Ridge Wind	25.2	37.8	35.1	28.2	40.5	30.8	16.5	27.3	31.4	56.1	47.2	50.5	49.9	48.8	36.9
90 Hopkins Ridge 2	1.16	1.74	1.62	1.30	1.86	1.42	0.76	1.26	1.44	2.58	2.17	2.32	2.30	2.24	1.70
91 Hopkins Ridge I	24.0	36.1	33.5	26.9	38.6	29.4	15.7	26.0	29.9	53.5	45.0	48.2	47.6	46.6	35.2
92 Horse Butte Wind	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
93 Horseshoe Bend Wind Project	1.45	2.17	2.02	1.62	2.33	1.77	0.95	1.57	1.80	3.23	2.71	2.90	2.87	2.81	2.12
94 Hot Springs Wind	3.19	4.78	4.44	3.57	5.12	3.90	2.09	3.45	3.97	7.10	5.97	6.39	6.31	6.17	4.66
95 Hylite Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
96 Industrial Finishes Solar	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
97 JC-Biomethane	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
98 Jett Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
99 Josef Stauer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Juniper Canyon Wind	24.3	36.5	33.9	27.3	39.1	29.8	15.9	26.3	30.3	54.2	45.6	48.8	48.2	47.1	35.6
101 Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	34.7	23.1	46.3	43.4
102 King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
103 Kittitas Valley Wind	16.2	24.3	22.6	18.2	26.0	19.9	10.6	17.6	20.2	36.1	30.4	32.5	32.1	31.4	23.7
104 Klondike Wind 1	3.86	5.80	5.39	4.33	6.20	4.73	2.53	4.18	4.81	8.60	7.24	7.74	7.65	7.48	5.65
105 Klondike Wind 2	12.1	18.1	16.8	13.5	19.4	14.8	7.90	13.1	15.0	26.9	22.6	24.2	23.9	23.4	17.7
106 Klondike Wind 3	36.0	54.0	50.2	40.4	57.8	44.1	23.6	39.0	44.8	80.2	67.5	72.2	71.4	69.8	52.7
107 Klondike Wind 3a	12.3	18.5	17.2	13.8	19.8	15.1	8.06	13.3	15.3	27.4	23.1	24.7	24.4	23.8	18.0
108 Knudson Wind	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
109 Lakeview Solar	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
110 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Lakeview Solar 500	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
112 Leaning Juniper Wind	48.6	72.9	67.7	54.4	78.0	59.4	31.8	52.6	60.5	108	91.0	97.3	96.2	94.1	71.1
113 Leaning Juniper 1	16.2	24.3	22.5	18.1	26.0	19.8	10.6	17.5	20.1	36.0	30.3	32.4	32.0	31.3	23.7
114 Leaning Juniper 2a	14.5	21.8	20.3	16.3	23.3	17.8	9.51	15.7	18.1	32.4	27.2	29.1	28.8	28.1	21.3
115 Leaning Juniper 2b	17.9	26.8	24.9	20.0	28.7	21.9	11.7	19.3	22.2	39.8	33.5	35.8	35.4	34.6	26.1
116 Lewandowski Farms Wind	0.11	0.10	0.08	0.08	0.08	0.07	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
117 Lime Wind	0.48	0.72	0.67	0.54	0.78	0.59	0.32	0.52	0.60	1.08	0.91	0.97	0.96	0.94	0.71
118 Linden Ranch Wind	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
119 Livingston Wind	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
120 Lower Snake Wind	98.1	147	137	110	157	120	64.2	106	122	218	184	197	194	190	144

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121 Lower Snake Wind 1	55.2	82.7	76.9	61.8	88.5	67.5	36.1	59.7	68.7	123	103	111	109	107	80.7
122 Tucannon River Wind	42.9	64.4	59.9	48.1	68.9	52.5	28.1	46.5	53.5	95.6	80.4	86.0	85.1	83.2	62.8
123 LRI/Graham Landfill - BioFuels	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28
124 Mainline Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
125 Marengo Wind	33.9	50.8	47.3	38.0	54.4	41.5	22.2	36.7	42.2	75.5	63.5	67.9	67.2	65.6	49.6
126 Marengo Wind 1	22.6	33.9	31.5	25.3	36.3	27.7	14.8	24.5	28.1	50.3	42.3	45.3	44.8	43.8	33.1
127 Marengo Wind 2	11.3	17.0	15.8	12.7	18.1	13.8	7.39	12.2	14.1	25.2	21.2	22.6	22.4	21.9	16.5
128 Meadow Creek Wind	19.3	28.9	26.9	21.6	30.9	23.6	12.6	20.9	24.0	42.9	36.1	38.6	38.2	37.3	28.2
129 Five Pine Wind	6.42	9.63	8.95	7.19	10.3	7.86	4.20	6.95	7.99	14.3	12.0	12.9	12.7	12.4	9.39
130 North Point Wind	12.8	19.3	17.9	14.4	20.6	15.7	8.40	13.9	16.0	28.6	24.1	25.7	25.4	24.9	18.8
131 Milner Dam Wind Farm	3.14	4.71	4.38	3.52	5.04	3.84	2.05	3.40	3.91	6.99	5.88	6.29	6.22	6.08	4.59
132 Mountain Home Solar	10.00	10.00	9.00	8.00	7.00	3.00	3.00	4.00	5.00	6.00	6.00	7.00	9.00	9.00	6.68
133 Moyer-Tolles Solar Station	0.52	0.52	0.52	0.39	0.39	0.26	0.13	0.13	0.26	0.26	0.26	0.39	0.39	0.52	0.35
134 Murphy Flat Solar Power	8.00	8.00	8.00	6.00	5.00	2.00	2.00	2.00	4.00	5.00	5.00	7.00	7.00	8.00	5.35
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	21.0
136 Nine Canyon Wind	15.4	23.2	21.5	17.3	24.8	18.9	10.1	16.7	19.2	34.4	28.9	30.9	30.6	29.9	22.6
137 Nine Canyon Wind 1	7.75	11.6	10.8	8.68	12.4	9.48	5.07	8.39	9.64	17.3	14.5	15.5	15.4	15.0	11.3
138 Nine Canyon Wind 2	2.50	3.75	3.49	2.80	4.01	3.06	1.64	2.71	3.11	5.57	4.68	5.01	4.95	4.84	3.66
139 Nine Canyon Wind 3	5.19	7.78	7.23	5.81	8.33	6.35	3.39	5.62	6.46	11.5	9.72	10.4	10.3	10.0	7.59
140 Open Range Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
141 Orchard Ranch Solar	7.96	7.96	6.25	4.46	2.58	1.71	2.25	4.04	4.96	6.50	6.50	7.21	8.33	8.29	5.38
142 Oregon Trail Wind	2.17	3.26	3.03	2.43	3.49	2.66	1.42	2.35	2.71	4.84	4.07	4.35	4.31	4.21	3.18
143 Outback Solar	1.61	1.61	1.33	0.93	0.55	0.39	0.40	0.83	1.06	1.34	1.34	1.51	1.78	1.81	1.13
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	2.73
145 Palouse Wind	16.8	25.2	23.4	18.8	27.0	20.6	11.0	18.2	20.9	37.4	31.5	33.7	33.3	32.5	24.6
146 PaTu Wind	1.45	2.17	2.02	1.62	2.33	1.77	0.95	1.57	1.80	3.23	2.71	2.90	2.87	2.81	2.12
147 Paynes Ferry Wind Park	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
148 Pebble Springs Wind	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
149 Pepsi-Cola Solar	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
150 Pepsi-Cola Eugene Solar 1	0	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	0
152 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 Pilgrim Stage Station Wind Park	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
154 Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
155 Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
156 Power County Wind	7.24	10.9	10.1	8.11	11.6	8.86	4.74	7.84	9.02	16.1	13.6	14.5	14.4	14.0	10.6
157 Prospector Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
158 Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
159 Qualco Dairy Digester	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
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	8.64
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	8.64

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162 Raft River Geothermal 2	0	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	0
164 Railroad Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
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	0.86
166 Rattlesnake Road Wind Farm	16.6	24.8	23.1	18.6	26.6	20.3	10.8	17.9	20.6	36.9	31.0	33.2	32.8	32.1	24.2
167 River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
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	1.00
169 Rock River Wind	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
170 Rockland wind	12.7	19.1	17.8	14.3	20.5	15.6	8.34	13.8	15.9	28.4	23.9	25.5	25.3	24.7	18.6
171 Ryegrass Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
172 Salmon Falls Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
173 Sawtooth Wind	3.61	5.41	5.03	4.04	5.79	4.41	2.36	3.90	4.49	8.03	6.75	7.22	7.14	6.98	5.27
174 Shepherds Flat Wind	136	204	190	152	218	166	89.0	147	169	303	255	273	269	263	199
175 Shepherds Flat - Central (South Hurlburt)	46.7	70.0	65.1	52.3	74.9	57.1	30.5	50.5	58.1	104	87.4	93.5	92.5	90.4	68.3
176 Shepherds Flat - North (North Hurlburt)	42.7	64.0	59.5	47.8	68.5	52.2	27.9	46.2	53.1	95.0	79.9	85.5	84.5	82.6	62.4
177 Shepherds Flat - South (Horseshoe Bend)	46.7	70.0	65.1	52.3	74.9	57.1	30.5	50.5	58.1	104	87.4	93.5	92.5	90.4	68.3
178 Short Mountain	2.30	2.30	2.40	2.60	2.80	3.00	3.10	3.00	3.00	3.10	3.10	3.00	2.20	2.30	2.73
179 Simco Solar	7.98	7.98	6.28	4.50	2.61	1.73	2.27	4.09	4.97	6.10	6.10	7.24	8.34	8.30	5.37
180 Star Point Wind	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
181 Stateline Wind	48.3	72.5	67.4	54.1	77.6	59.1	31.6	52.3	60.2	108	90.5	96.9	95.8	93.6	70.7
182 Stateline-OR	19.5	29.2	27.2	21.8	31.3	23.8	12.8	21.1	24.3	43.4	36.5	39.0	38.6	37.7	28.5
183 Stateline-WA	28.9	43.3	40.2	32.3	46.3	35.3	18.9	31.2	35.9	64.2	54.0	57.8	57.2	55.9	42.2
184 Steel Bridge Solar	0.50	0.50	0.47	0.29	0.15	0.12	0.16	0.22	0.34	0.40	0.40	0.49	0.54	0.56	0.35
185 Stoltze Biomass	2.60	2.60	2.60	2.60	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.60	2.60	2.60	2.50
186 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0.68	1.03	0.95	0.77	1.10	0.84	0.45	0.74	0.85	1.52	1.28	1.37	1.36	1.33	1.00
188 Thousand Springs Wind Park	1.93	2.90	2.69	2.16	3.10	2.36	1.26	2.09	2.40	4.30	3.62	3.87	3.83	3.74	2.83
189 Threemile Canyon Wind	1.59	2.39	2.22	1.79	2.56	1.95	1.04	1.73	1.98	3.55	2.99	3.19	3.16	3.09	2.33
190 Thundereqq Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
191 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Gulch Wind	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
193 Tuana Springs Wind	2.70	4.06	3.77	3.03	4.34	3.31	1.77	2.93	3.37	6.02	5.07	5.42	5.36	5.24	3.96
194 Two Ponds Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
195 Vale Air Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196 Van Dyk's Holsteins	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
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	0.40
198 Vansycle Wind	20.0	29.9	27.8	22.4	32.0	24.4	13.1	21.6	24.8	44.4	37.4	40.0	39.5	38.7	29.2
199 Vansycle 1	4.04	6.06	5.63	4.53	6.49	4.94	2.64	4.37	5.03	8.99	7.57	8.10	8.00	7.82	5.91
200 Vansycle 2	15.9	23.9	22.2	17.8	25.6	19.5	10.4	17.2	19.8	35.4	29.8	31.9	31.5	30.8	23.3

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
201 Vantage Wind	14.5	21.7	20.2	16.2	23.3	17.7	9.48	15.7	18.0	32.2	27.1	29.0	28.7	28.1	21.2
202 Wheat Field Wind	15.5	23.3	21.7	17.4	25.0	19.0	10.2	16.8	19.4	34.6	29.1	31.2	30.8	30.1	22.7
203 White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
204 White Creek Wind	32.2	48.3	44.9	36.1	51.7	39.4	21.1	34.9	40.1	71.7	60.3	64.5	63.8	62.3	47.1
205 Wild Horse Wind	44.0	65.9	61.3	49.2	70.5	53.8	28.8	47.6	54.7	97.8	82.3	88.0	87.0	85.1	64.3
206 Wild Horse Solar 1	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
207 Wild Horse Wind 1	36.8	55.2	51.3	41.2	59.1	45.0	24.1	39.8	45.8	81.9	68.9	73.7	72.9	71.3	53.8
208 Wild Horse Wind 2	7.08	10.6	9.87	7.93	11.4	8.67	4.63	7.67	8.82	15.8	13.3	14.2	14.0	13.7	10.4
209 Willow Creek Wind	11.6	17.4	16.2	13.0	18.6	14.2	7.58	12.5	14.4	25.8	21.7	23.2	23.0	22.4	17.0
210 Willow Spring Wind Farm	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
211 Windy Point Wind	64.2	96.3	89.5	71.9	103	78.5	42.0	69.5	79.9	143	120	129	127	124	93.9
212 Windy Point 1	22.0	33.0	30.6	24.6	35.3	26.9	14.4	23.8	27.4	48.9	41.2	44.1	43.6	42.6	32.2
213 Windy Point 2	32.6	48.9	45.4	36.5	52.3	39.9	21.3	35.3	40.6	72.5	61.0	65.3	64.5	63.1	47.7
214 Windy Point 2 - Phase 2	9.63	14.4	13.4	10.8	15.5	11.8	6.30	10.4	12.0	21.4	18.0	19.3	19.1	18.6	14.1
215 Wolverine Creek Wind	10.4	15.6	14.5	11.6	16.7	12.7	6.79	11.2	12.9	23.1	19.4	20.8	20.6	20.1	15.2
216 Yahoo Creek Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
217 Yamhill Solar	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
Total Renewable Resources															
218 Cooperative	18.5	22.9	22.0	19.5	23.4	19.6	15.0	18.7	20.3	28.7	25.7	27.1	26.9	26.5	22.2
219 Federal Entities	39.6	59.4	55.2	44.4	63.6	48.5	25.9	42.9	49.3	88.2	74.2	79.4	78.5	76.7	57.9
220 Investor Owned Utilities	939	1309	1221	1004	1348	1048	611	950	1080	1820	1558	1654	1636	1630	1250
221 Marketer	94.5	142	132	106	152	116	61.9	102	118	210	177	189	187	183	138
222 Municipality	217	318	296	241	339	262	147	233	266	464	393	419	415	406	310
223 Other	7.76	11.4	10.6	8.50	12.0	9.12	4.87	7.97	9.28	16.4	13.8	14.9	14.7	14.5	10.9
224 Public Utility District	118	165	155	130	176	140	86.1	127	142	235	201	214	211	207	162
225 Total	1434	2028	1893	1553	2113	1643	952	1481	1684	2863	2443	2598	2569	2543	1952

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Renewable Resources																
1 3 Bar G Wind	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
2 American Falls Solar	16.0	16.0	14.0	12.0	8.00	4.00	2.00	4.00	6.00	10.00	10.00	12.0	14.0	16.0	9.85	
3 American Falls Solar 1	8.00	8.00	7.00	6.00	4.00	2.00	1.00	2.00	3.00	5.00	5.00	6.00	7.00	8.00	4.92	
4 American Falls Solar 2	8.00	8.00	7.00	6.00	4.00	2.00	1.00	2.00	3.00	5.00	5.00	6.00	7.00	8.00	4.92	
5 Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
6 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0
10 Baldock Solar	0.31	0.31	0.25	0.18	0.09	0.06	0.10	0.13	0.21	0.25	0.25	0.32	0.32	0.35	0.21	
11 Bannock County Landfill	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
12 Bellevue Solar (Amity, OR)	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.21	
13 Bennett Creek Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94	
14 Benson Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35	
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	0.69	
16 Big Horn Wind	40.2	60.2	56.0	45.0	64.5	49.1	26.3	43.5	50.0	89.4	75.2	80.5	79.6	77.8	58.7	
17 Big Horn 1	32.1	48.2	44.8	36.0	51.5	39.3	21.0	34.8	40.0	71.5	60.1	64.3	63.6	62.2	46.9	
18 Big Horn 2	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8	
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	1.06	
20 Biglow Canyon Wind	72.4	109	101	81.1	116	88.6	47.4	78.4	90.1	161	136	145	143	140	106	
21 Biglow Canyon 1	20.2	30.3	28.1	22.6	32.4	24.7	13.2	21.9	25.1	44.9	37.8	40.4	40.0	39.1	29.5	
22 Biglow Canyon 2	24.1	36.1	33.5	27.0	38.6	29.4	15.7	26.1	30.0	53.6	45.1	48.2	47.7	46.6	35.2	
23 Biglow Canyon 3	28.1	42.2	39.2	31.5	45.2	34.4	18.4	30.5	35.0	62.6	52.7	56.4	55.7	54.5	41.1	
24 Black Cap Solar Project	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
25 Blue Basin Power	0.52	0.52	0.52	0.39	0.39	0.26	0.13	0.13	0.26	0.26	0.26	0.39	0.39	0.52	0.35	
26 Boise City Solar	16.2	16.2	13.7	11.6	7.07	6.09	6.19	9.07	11.1	12.9	12.9	15.1	16.0	17.4	11.9	
27 Burley Butte Wind	3.14	4.71	4.38	3.52	5.04	3.84	2.05	3.40	3.91	6.99	5.88	6.29	6.22	6.08	4.59	
28 Camp Reed Wind	3.62	5.43	5.05	4.06	5.81	4.43	2.37	3.92	4.51	8.06	6.78	7.26	7.18	7.01	5.29	
29 Cassia Farms Wind	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47	
30 Cassia Gulch Wind	3.04	4.56	4.24	3.41	4.88	3.72	1.99	3.29	3.79	6.77	5.70	6.10	6.03	5.89	4.45	
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	1.16	1.16
32 Clark Community Solar	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
33 Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36	
34 Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38	
35 Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98	
36 Cold Springs Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.41	
37 Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
38 Combine Hills Wind	16.7	25.1	23.3	18.8	26.9	20.5	11.0	18.1	20.8	37.3	31.4	33.5	33.2	32.4	24.5	
39 Combine Hills 2	10.1	15.2	14.1	11.4	16.3	12.4	6.64	11.0	12.6	22.6	19.0	20.3	20.1	19.6	14.8	

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40 Combine Hills I	6.60	9.90	9.20	7.39	10.6	8.08	4.32	7.15	8.21	14.7	12.4	13.2	13.1	12.8	9.65
41 Condon Wind	8.02	12.0	11.2	8.98	12.9	9.81	5.25	8.68	9.98	17.8	15.0	16.1	15.9	15.5	11.7
42 Condon 1	3.96	5.94	5.52	4.44	6.36	4.85	2.59	4.29	4.93	8.82	7.42	7.93	7.84	7.67	5.79
43 Condon 2	4.06	6.08	5.65	4.54	6.51	4.96	2.65	4.39	5.05	9.03	7.60	8.13	8.04	7.85	5.93
44 Cowlitz Community Solar	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	0.09
45 Cowlitz Community Solar - Admin Building	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
46 Cowlitz Community Solar - Operations Building	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
47 Deep Creek Wind	0	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	1.20
49 Desert Meadow Windfarm	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.41
50 Domaine Drouhin Solar	0.02	0.02	0.02	0.01	0	0	0	0.01	0.01	0	0	0	0.01	0.01	0.01
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	1.00
52 Double B Digester	0	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	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	1.26
55 Durbin Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
56 Echo Wind Farm	10.4	15.6	14.5	11.6	16.7	12.7	6.80	11.2	12.9	23.1	19.5	20.8	20.6	20.1	15.2
57 Echo Wind 1	7.17	10.8	10.00	8.03	11.5	8.77	4.69	7.76	8.93	16.0	13.4	14.4	14.2	13.9	10.5
58 Echo Wind 2	3.22	4.83	4.49	3.61	5.17	3.94	2.11	3.49	4.01	7.17	6.03	6.45	6.38	6.23	4.71
59 Edaleen Cow Power	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
60 Elkhorn Valley Wind Project	16.2	24.3	22.6	18.1	26.0	19.8	10.6	17.5	20.2	36.1	30.3	32.5	32.1	31.4	23.7
61 Farm Power Lynden	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
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	0.75
63 Farm Power Rexville	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
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	1.00
65 Fighting Creek Landfill	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
66 Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
67 Finn Hill Solar	0.07	0.07	0.06	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.06	0.07	0.05
68 Flathead County Landfill	1.33	1.33	1.33	1.33	1.23	1.24	1.24	1.28	1.24	1.33	1.33	1.33	1.33	1.33	1.29
69 Foote Creek 1 Wind	6.66	10.00	9.29	7.46	10.7	8.15	4.36	7.21	8.29	14.8	12.5	13.4	13.2	12.9	9.74
70 Foote Creek 2 Wind	0.29	0.44	0.40	0.33	0.47	0.36	0.19	0.31	0.36	0.65	0.54	0.58	0.57	0.56	0.42
71 Foote Creek 4 Wind	2.70	4.06	3.77	3.03	4.34	3.31	1.77	2.93	3.37	6.02	5.07	5.42	5.36	5.24	3.95
72 Forest Glen Oaks Dairy	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
73 Fossil Gulch Wind Project	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
74 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Golden Valley Wind	1.93	2.90	2.69	2.16	3.10	2.36	1.26	2.09	2.40	4.30	3.62	3.87	3.83	3.74	2.82
76 Goodnoe Hills Wind	15.1	22.7	21.1	16.9	24.3	18.5	9.90	16.4	18.8	33.7	28.3	30.3	30.0	29.3	22.1
77 Goshen North (Ridgeline Wind)	20.0	30.1	27.9	22.4	32.2	24.5	13.1	21.7	24.9	44.6	37.5	40.2	39.7	38.8	29.3
78 Grayland Wind	0.97	1.45	1.35	1.08	1.55	1.18	0.63	1.05	1.20	2.15	1.81	1.94	1.91	1.87	1.41
79 Grove Solar Center	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	0	1.00	1.00	1.00	1.54

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
80 H.W. Hill Landfill Gas (Roosevelt	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
81 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 HW Hill Landfill Gas 2	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
83 Hammett Hill Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.41
84 Harvest Wind	15.9	23.9	22.2	17.8	25.6	19.5	10.4	17.2	19.8	35.4	29.8	31.9	31.5	30.8	23.3
85 Hay Canyon Wind	16.2	24.3	22.6	18.2	26.0	19.9	10.6	17.6	20.2	36.1	30.4	32.5	32.1	31.4	23.7
86 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
88 High Mesa Wind	6.42	9.63	8.95	7.19	10.3	7.86	4.20	6.95	7.99	14.3	12.0	12.9	12.7	12.4	9.39
89 Hopkins Ridge Wind	25.2	37.8	35.1	28.2	40.5	30.8	16.5	27.3	31.4	56.1	47.2	50.5	49.9	48.8	36.8
90 Hopkins Ridge 2	1.16	1.74	1.62	1.30	1.86	1.42	0.76	1.26	1.44	2.58	2.17	2.32	2.30	2.24	1.69
91 Hopkins Ridge I	24.0	36.1	33.5	26.9	38.6	29.4	15.7	26.0	29.9	53.5	45.0	48.2	47.6	46.6	35.1
92 Horse Butte Wind	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
93 Horseshoe Bend Wind Project	1.45	2.17	2.02	1.62	2.33	1.77	0.95	1.57	1.80	3.23	2.71	2.90	2.87	2.81	2.12
94 Hot Springs Wind	3.19	4.78	4.44	3.57	5.12	3.90	2.09	3.45	3.97	7.10	5.97	6.39	6.31	6.17	4.66
95 Hyline Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
96 Industrial Finishes Solar	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
97 JC-Biomethane	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
98 Jett Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
99 Josef Staufer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Juniper Canyon Wind	24.3	36.5	33.9	27.3	39.1	29.8	15.9	26.3	30.3	54.2	45.6	48.8	48.2	47.1	35.6
101 Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	27.8	46.3	44.7
102 King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
103 Kittitas Valley Wind	16.2	24.3	22.6	18.2	26.0	19.9	10.6	17.6	20.2	36.1	30.4	32.5	32.1	31.4	23.7
104 Klondike Wind 1	3.86	5.80	5.39	4.33	6.20	4.73	2.53	4.18	4.81	8.60	7.24	7.74	7.65	7.48	5.65
105 Klondike Wind 2	12.1	18.1	16.8	13.5	19.4	14.8	7.90	13.1	15.0	26.9	22.6	24.2	23.9	23.4	17.6
106 Klondike Wind 3	36.0	54.0	50.2	40.4	57.8	44.1	23.6	39.0	44.8	80.2	67.5	72.2	71.4	69.8	52.7
107 Klondike Wind 3a	12.3	18.5	17.2	13.8	19.8	15.1	8.06	13.3	15.3	27.4	23.1	24.7	24.4	23.8	18.0
108 Knudson Wind	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
109 Lakeview Solar	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
110 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Lakeview Solar 500	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
112 Leaning Juniper Wind	48.6	72.9	67.7	54.4	78.0	59.4	31.8	52.6	60.5	108	91.0	97.3	96.2	94.1	71.0
113 Leaning Juniper 1	16.2	24.3	22.5	18.1	26.0	19.8	10.6	17.5	20.1	36.0	30.3	32.4	32.0	31.3	23.6
114 Leaning Juniper 2a	14.5	21.8	20.3	16.3	23.3	17.8	9.51	15.7	18.1	32.4	27.2	29.1	28.8	28.1	21.2
115 Leaning Juniper 2b	17.9	26.8	24.9	20.0	28.7	21.9	11.7	19.3	22.2	39.8	33.5	35.8	35.4	34.6	26.1
116 Lewandowski Farms Wind	0.11	0.10	0.08	0.08	0.08	0.07	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
117 Lime Wind	0.48	0.72	0.67	0.54	0.78	0.59	0.32	0.52	0.60	1.08	0.91	0.97	0.96	0.94	0.71
118 Linden Ranch Wind	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
119 Livingston Wind	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
120 Lower Snake Wind	98.1	147	137	110	157	120	64.2	106	122	218	184	197	194	190	143

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121 Lower Snake Wind 1	55.2	82.7	76.9	61.8	88.5	67.5	36.1	59.7	68.7	123	103	111	109	107	80.6
122 Tucannon River Wind	42.9	64.4	59.9	48.1	68.9	52.5	28.1	46.5	53.5	95.6	80.4	86.0	85.1	83.2	62.8
123 LRI/Graham Landfill - BioFuels	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28
124 Mainline Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.41
125 Marengo Wind	33.9	50.8	47.3	38.0	54.4	41.5	22.2	36.7	42.2	75.5	63.5	67.9	67.2	65.6	49.5
126 Marengo Wind 1	22.6	33.9	31.5	25.3	36.3	27.7	14.8	24.5	28.1	50.3	42.3	45.3	44.8	43.8	33.0
127 Marengo Wind 2	11.3	17.0	15.8	12.7	18.1	13.8	7.39	12.2	14.1	25.2	21.2	22.6	22.4	21.9	16.5
128 Meadow Creek Wind	19.3	28.9	26.9	21.6	30.9	23.6	12.6	20.9	24.0	42.9	36.1	38.6	38.2	37.3	28.2
129 Five Pine Wind	6.42	9.63	8.95	7.19	10.3	7.86	4.20	6.95	7.99	14.3	12.0	12.9	12.7	12.4	9.39
130 North Point Wind	12.8	19.3	17.9	14.4	20.6	15.7	8.40	13.9	16.0	28.6	24.1	25.7	25.4	24.9	18.8
131 Milner Dam Wind Farm	3.14	4.71	4.38	3.52	5.04	3.84	2.05	3.40	3.91	6.99	5.88	6.29	6.22	6.08	4.59
132 Mountain Home Solar	10.00	10.00	9.00	8.00	7.00	3.00	3.00	4.00	5.00	6.00	6.00	7.00	9.00	9.00	6.67
133 Moyer-Tolles Solar Station	0.52	0.52	0.52	0.39	0.39	0.26	0.13	0.13	0.26	0.26	0.26	0.39	0.39	0.52	0.35
134 Murphy Flat Solar Power	8.00	8.00	8.00	6.00	5.00	2.00	2.00	2.00	4.00	5.00	5.00	7.00	7.00	8.00	5.34
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	21.0
136 Nine Canyon Wind	15.4	23.2	21.5	17.3	24.8	18.9	10.1	16.7	19.2	34.4	28.9	30.9	30.6	29.9	22.6
137 Nine Canyon Wind 1	7.75	11.6	10.8	8.68	12.4	9.48	5.07	8.39	9.64	17.3	14.5	15.5	15.4	15.0	11.3
138 Nine Canyon Wind 2	2.50	3.75	3.49	2.80	4.01	3.06	1.64	2.71	3.11	5.57	4.68	5.01	4.95	4.84	3.66
139 Nine Canyon Wind 3	5.19	7.78	7.23	5.81	8.33	6.35	3.39	5.62	6.46	11.5	9.72	10.4	10.3	10.0	7.58
140 Open Range Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
141 Orchard Ranch Solar	7.96	7.96	6.25	4.46	2.58	1.71	2.25	4.04	4.96	6.50	6.50	7.21	8.33	8.29	5.38
142 Oregon Trail Wind	2.17	3.26	3.03	2.43	3.49	2.66	1.42	2.35	2.71	4.84	4.07	4.35	4.31	4.21	3.18
143 Outback Solar	1.61	1.61	1.33	0.93	0.55	0.39	0.40	0.83	1.06	1.34	1.34	1.51	1.78	1.81	1.13
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	2.73
145 Palouse Wind	16.8	25.2	23.4	18.8	27.0	20.6	11.0	18.2	20.9	37.4	31.5	33.7	33.3	32.5	24.6
146 PaTu Wind	1.45	2.17	2.02	1.62	2.33	1.77	0.95	1.57	1.80	3.23	2.71	2.90	2.87	2.81	2.12
147 Paynes Ferry Wind Park	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
148 Pebble Springs Wind	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
149 Pepsi-Cola Solar	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
150 Pepsi-Cola Eugene Solar 1	0	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	0
152 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 Pilgrim Stage Station Wind Park	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
154 Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
155 Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
156 Power County Wind	7.24	10.9	10.1	8.11	11.6	8.86	4.74	7.84	9.02	16.1	13.6	14.5	14.4	14.0	10.6
157 Prospector Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
158 Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
159 Qualco Dairy Digester	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
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	8.64
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	8.64

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162 Raft River Geothermal 2	0	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	0
164 Railroad Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
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	0.86
166 Rattlesnake Road Wind Farm	16.6	24.8	23.1	18.6	26.6	20.3	10.8	17.9	20.6	36.9	31.0	33.2	32.8	32.1	24.2
167 River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
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	1.00
169 Rock River Wind	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
170 Rockland wind	12.7	19.1	17.8	14.3	20.5	15.6	8.34	13.8	15.9	28.4	23.9	25.5	25.3	24.7	18.6
171 Ryegrass Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.41
172 Salmon Falls Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
173 Sawtooth Wind	3.61	5.41	5.03	4.04	5.79	4.41	2.36	3.90	4.49	8.03	6.75	7.22	7.14	6.98	5.27
174 Shepherds Flat Wind	136	204	190	152	218	166	89.0	147	169	303	255	273	269	263	199
175 Shepherds Flat - Central (South Hurlburt)	46.7	70.0	65.1	52.3	74.9	57.1	30.5	50.5	58.1	104	87.4	93.5	92.5	90.4	68.2
176 Shepherds Flat - North (North Hurlburt)	42.7	64.0	59.5	47.8	68.5	52.2	27.9	46.2	53.1	95.0	79.9	85.5	84.5	82.6	62.3
177 Shepherds Flat - South (Horseshoe Bend)	46.7	70.0	65.1	52.3	74.9	57.1	30.5	50.5	58.1	104	87.4	93.5	92.5	90.4	68.2
178 Short Mountain	2.30	2.30	2.40	2.60	2.80	3.00	3.10	3.00	3.00	3.10	3.10	3.00	2.20	2.30	2.73
179 Simco Solar	7.98	7.98	6.28	4.50	2.61	1.73	2.27	4.09	4.97	6.10	6.10	7.24	8.34	8.30	5.37
180 Star Point Wind	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
181 Stateline Wind	48.3	72.5	67.4	54.1	77.6	59.1	31.6	52.3	60.2	108	90.5	96.9	95.8	93.6	70.7
182 Stateline-OR	19.5	29.2	27.2	21.8	31.3	23.8	12.8	21.1	24.3	43.4	36.5	39.0	38.6	37.7	28.5
183 Stateline-WA	28.9	43.3	40.2	32.3	46.3	35.3	18.9	31.2	35.9	64.2	54.0	57.8	57.2	55.9	42.2
184 Steel Bridge Solar	0.50	0.50	0.47	0.29	0.15	0.12	0.16	0.22	0.34	0.40	0.40	0.49	0.54	0.56	0.35
185 Stoltze Biomass	2.60	2.60	2.60	2.60	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.60	2.60	2.60	2.50
186 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0.68	1.03	0.95	0.77	1.10	0.84	0.45	0.74	0.85	1.52	1.28	1.37	1.36	1.33	1.00
188 Thousand Springs Wind Park	1.93	2.90	2.69	2.16	3.10	2.36	1.26	2.09	2.40	4.30	3.62	3.87	3.83	3.74	2.82
189 Threemile Canyon Wind	1.59	2.39	2.22	1.79	2.56	1.95	1.04	1.73	1.98	3.55	2.99	3.19	3.16	3.09	2.33
190 Thundereqq Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
191 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Gulch Wind	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
193 Tuana Springs Wind	2.70	4.06	3.77	3.03	4.34	3.31	1.77	2.93	3.37	6.02	5.07	5.42	5.36	5.24	3.95
194 Two Ponds Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.41
195 Vale Air Solar Center	0	0	0	1.00	0	0	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.58
196 Van Dyk's Holsteins	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
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	0.40
198 Vansycle Wind	20.0	29.9	27.8	22.4	32.0	24.4	13.1	21.6	24.8	44.4	37.4	40.0	39.5	38.7	29.2
199 Vansycle 1	4.04	6.06	5.63	4.53	6.49	4.94	2.64	4.37	5.03	8.99	7.57	8.10	8.00	7.82	5.91
200 Vansycle 2	15.9	23.9	22.2	17.8	25.6	19.5	10.4	17.2	19.8	35.4	29.8	31.9	31.5	30.8	23.3

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201 Vantage Wind	14.5	21.7	20.2	16.2	23.3	17.7	9.48	15.7	18.0	32.2	27.1	29.0	28.7	28.1	21.2
202 Wheat Field Wind	15.5	23.3	21.7	17.4	25.0	19.0	10.2	16.8	19.4	34.6	29.1	31.2	30.8	30.1	22.7
203 White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
204 White Creek Wind	32.2	48.3	44.9	36.1	51.7	39.4	21.1	34.9	40.1	71.7	60.3	64.5	63.8	62.3	47.1
205 Wild Horse Wind	44.0	65.9	61.3	49.2	70.5	53.8	28.8	47.6	54.7	97.8	82.3	88.0	87.0	85.1	64.2
206 Wild Horse Solar 1	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
207 Wild Horse Wind 1	36.8	55.2	51.3	41.2	59.1	45.0	24.1	39.8	45.8	81.9	68.9	73.7	72.9	71.3	53.8
208 Wild Horse Wind 2	7.08	10.6	9.87	7.93	11.4	8.67	4.63	7.67	8.82	15.8	13.3	14.2	14.0	13.7	10.4
209 Willow Creek Wind	11.6	17.4	16.2	13.0	18.6	14.2	7.58	12.5	14.4	25.8	21.7	23.2	23.0	22.4	16.9
210 Willow Spring Wind Farm	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
211 Windy Point Wind	64.2	96.3	89.5	71.9	103	78.5	42.0	69.5	79.9	143	120	129	127	124	93.8
212 Windy Point 1	22.0	33.0	30.6	24.6	35.3	26.9	14.4	23.8	27.4	48.9	41.2	44.1	43.6	42.6	32.1
213 Windy Point 2	32.6	48.9	45.4	36.5	52.3	39.9	21.3	35.3	40.6	72.5	61.0	65.3	64.5	63.1	47.6
214 Windy Point 2 - Phase 2	9.63	14.4	13.4	10.8	15.5	11.8	6.30	10.4	12.0	21.4	18.0	19.3	19.1	18.6	14.1
215 Wolverine Creek Wind	10.4	15.6	14.5	11.6	16.7	12.7	6.79	11.2	12.9	23.1	19.4	20.8	20.6	20.1	15.2
216 Yahoo Creek Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
217 Yamhill Solar	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
Total Renewable Resources															
218 Cooperative	18.5	22.9	22.0	19.5	23.4	19.6	15.0	18.7	20.3	28.7	25.7	27.1	26.9	26.5	22.2
219 Federal Entities	39.6	59.4	55.2	44.4	63.6	48.5	25.9	42.9	49.3	88.2	74.2	79.4	78.5	76.7	57.9
220 Investor Owned Utilities	939	1309	1221	1005	1348	1048	611	951	1081	1821	1559	1666	1641	1631	1251
221 Marketer	94.5	142	132	106	152	116	61.9	102	118	210	177	189	187	183	138
222 Municipality	217	318	296	241	339	262	147	233	266	464	393	419	415	406	310
223 Other	7.76	11.4	10.6	8.50	12.0	9.12	4.87	7.97	9.28	16.4	13.8	14.9	14.7	14.5	10.9
224 Public Utility District	118	165	155	130	176	140	86.1	127	142	235	201	214	211	207	162
225 Total	1434	2028	1893	1554	2113	1643	952	1482	1685	2864	2444	2610	2574	2544	1953

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Renewable Resources															
1 3 Bar G Wind	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
2 American Falls Solar	16.0	16.0	14.0	12.0	8.00	4.00	2.00	4.00	6.00	10.00	10.00	12.0	14.0	16.0	9.86
3 American Falls Solar 1	8.00	8.00	7.00	6.00	4.00	2.00	1.00	2.00	3.00	5.00	5.00	6.00	7.00	8.00	4.93
4 American Falls Solar 2	8.00	8.00	7.00	6.00	4.00	2.00	1.00	2.00	3.00	5.00	5.00	6.00	7.00	8.00	4.93
5 Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
6 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0
10 Baldock Solar	0.31	0.31	0.25	0.18	0.09	0.06	0.10	0.13	0.21	0.25	0.25	0.32	0.32	0.35	0.21
11 Bannock County Landfill	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
12 Bellevue Solar (Amity, OR)	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.21
13 Bennett Creek Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
14 Benson Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
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	0.69
16 Big Horn Wind	40.2	60.2	56.0	45.0	64.5	49.1	26.3	43.5	50.0	89.4	75.2	80.5	79.6	77.8	58.7
17 Big Horn 1	32.1	48.2	44.8	36.0	51.5	39.3	21.0	34.8	40.0	71.5	60.1	64.3	63.6	62.2	47.0
18 Big Horn 2	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
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	1.06
20 Biglow Canyon Wind	72.4	109	101	81.1	116	88.6	47.4	78.4	90.1	161	136	145	143	140	106
21 Biglow Canyon 1	20.2	30.3	28.1	22.6	32.4	24.7	13.2	21.9	25.1	44.9	37.8	40.4	40.0	39.1	29.5
22 Biglow Canyon 2	24.1	36.1	33.5	27.0	38.6	29.4	15.7	26.1	30.0	53.6	45.1	48.2	47.7	46.6	35.2
23 Biglow Canyon 3	28.1	42.2	39.2	31.5	45.2	34.4	18.4	30.5	35.0	62.6	52.7	56.4	55.7	54.5	41.2
24 Black Cap Solar Project	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
25 Blue Basin Power	0.52	0.52	0.52	0.39	0.39	0.26	0.13	0.13	0.26	0.26	0.26	0.39	0.39	0.52	0.35
26 Boise City Solar	16.2	16.2	13.7	11.6	7.07	6.09	6.19	9.07	11.1	12.9	12.9	15.1	16.0	17.4	11.9
27 Burley Butte Wind	3.14	4.71	4.38	3.52	5.04	3.84	2.05	3.40	3.91	6.99	5.88	6.29	6.22	6.08	4.59
28 Camp Reed Wind	3.62	5.43	5.05	4.06	5.81	4.43	2.37	3.92	4.51	8.06	6.78	7.26	7.18	7.01	5.30
29 Cassia Farms Wind	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
30 Cassia Gulch Wind	3.04	4.56	4.24	3.41	4.88	3.72	1.99	3.29	3.79	6.77	5.70	6.10	6.03	5.89	4.45
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	1.16
32 Clark Community Solar	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
33 Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36
34 Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38
35 Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98
36 Cold Springs Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
37 Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
38 Combine Hills Wind	16.7	25.1	23.3	18.8	26.9	20.5	11.0	18.1	20.8	37.3	31.4	33.5	33.2	32.4	24.5
39 Combine Hills 2	10.1	15.2	14.1	11.4	16.3	12.4	6.64	11.0	12.6	22.6	19.0	20.3	20.1	19.6	14.8

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40 Combine Hills I	6.60	9.90	9.20	7.39	10.6	8.08	4.32	7.15	8.21	14.7	12.4	13.2	13.1	12.8	9.65
41 Condon Wind	8.02	12.0	11.2	8.98	12.9	9.81	5.25	8.68	9.98	17.8	15.0	16.1	15.9	15.5	11.7
42 Condon 1	3.96	5.94	5.52	4.44	6.36	4.85	2.59	4.29	4.93	8.82	7.42	7.93	7.84	7.67	5.79
43 Condon 2	4.06	6.08	5.65	4.54	6.51	4.96	2.65	4.39	5.05	9.03	7.60	8.13	8.04	7.85	5.93
44 Cowlitz Community Solar	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	0.09
45 Cowlitz Community Solar - Admin Building	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
46 Cowlitz Community Solar - Operations Building	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
47 Deep Creek Wind	0	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	1.20
49 Desert Meadow Windfarm	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
50 Domaine Drouhin Solar	0.02	0.02	0.02	0.01	0	0	0	0.01	0.01	0	0	0	0.01	0.01	0.01
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	1.00
52 Double B Digester	0	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	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	1.26
55 Durbin Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
56 Echo Wind Farm	10.4	15.6	14.5	11.6	16.7	12.7	6.80	11.2	12.9	23.1	19.5	20.8	20.6	20.1	15.2
57 Echo Wind 1	7.17	10.8	10.00	8.03	11.5	8.77	4.69	7.76	8.93	16.0	13.4	14.4	14.2	13.9	10.5
58 Echo Wind 2	3.22	4.83	4.49	3.61	5.17	3.94	2.11	3.49	4.01	7.17	6.03	6.45	6.38	6.23	4.71
59 Edaleen Cow Power	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
60 Elkhorn Valley Wind Project	16.2	24.3	22.6	18.1	26.0	19.8	10.6	17.5	20.2	36.1	30.3	32.5	32.1	31.4	23.7
61 Farm Power Lynden	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
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	0.75
63 Farm Power Rexville	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
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	1.00
65 Fighting Creek Landfill	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
66 Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
67 Finn Hill Solar	0.07	0.07	0.06	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.06	0.07	0.05
68 Flathead County Landfill	1.33	1.33	1.33	1.33	1.23	1.24	1.24	1.28	1.24	1.33	1.33	1.33	1.33	1.33	1.30
69 Foote Creek 1 Wind	6.66	10.00	9.29	7.46	10.7	8.15	4.36	7.21	8.29	14.8	12.5	13.4	13.2	12.9	9.75
70 Foote Creek 2 Wind	0.29	0.44	0.40	0.33	0.47	0.36	0.19	0.31	0.36	0.65	0.54	0.58	0.57	0.56	0.42
71 Foote Creek 4 Wind	2.70	4.06	3.77	0	0	0	0	0	0	0	0	0	0	0	0.60
72 Forest Glen Oaks Dairy	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
73 Fossil Gulch Wind Project	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
74 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Golden Valley Wind	1.93	2.90	2.69	2.16	3.10	2.36	1.26	2.09	2.40	4.30	3.62	3.87	3.83	3.74	2.83
76 Goodnoe Hills Wind	15.1	22.7	21.1	16.9	24.3	18.5	9.90	16.4	18.8	33.7	28.3	30.3	30.0	29.3	22.1
77 Goshen North (Ridgeline Wind)	20.0	30.1	27.9	22.4	32.2	24.5	13.1	21.7	24.9	44.6	37.5	40.2	39.7	38.8	29.3
78 Grayland Wind	0.97	1.45	1.35	1.08	1.55	1.18	0.63	1.05	1.20	2.15	1.81	1.94	1.91	1.87	1.41
79 Grove Solar Center	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	0	1.00	1.00	1.00	1.54

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
80 H.W. Hill Landfill Gas (Roosevelt	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
81 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 HW Hill Landfill Gas 2	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
83 Hammett Hill Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
84 Harvest Wind	15.9	23.9	22.2	17.8	25.6	19.5	10.4	17.2	19.8	35.4	29.8	31.9	31.5	30.8	23.3
85 Hay Canyon Wind	16.2	24.3	22.6	18.2	26.0	19.9	10.6	17.6	20.2	36.1	30.4	32.5	32.1	31.4	23.7
86 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
88 High Mesa Wind	6.42	9.63	8.95	7.19	10.3	7.86	4.20	6.95	7.99	14.3	12.0	12.9	12.7	12.4	9.39
89 Hopkins Ridge Wind	25.2	37.8	35.1	28.2	40.5	30.8	16.5	27.3	31.4	56.1	47.2	50.5	49.9	48.8	36.9
90 Hopkins Ridge 2	1.16	1.74	1.62	1.30	1.86	1.42	0.76	1.26	1.44	2.58	2.17	2.32	2.30	2.24	1.70
91 Hopkins Ridge I	24.0	36.1	33.5	26.9	38.6	29.4	15.7	26.0	29.9	53.5	45.0	48.2	47.6	46.6	35.2
92 Horse Butte Wind	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
93 Horseshoe Bend Wind Project	1.45	2.17	2.02	1.62	2.33	1.77	0.95	1.57	1.80	3.23	2.71	2.90	2.87	2.81	2.12
94 Hot Springs Wind	3.19	4.78	4.44	3.57	5.12	3.90	2.09	3.45	3.97	7.10	5.97	6.39	6.31	6.17	4.66
95 Hyline Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
96 Industrial Finishes Solar	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
97 JC-Biomethane	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
98 Jett Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
99 Josef Staufer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Juniper Canyon Wind	24.3	36.5	33.9	27.3	39.1	29.8	15.9	26.3	30.3	54.2	45.6	48.8	48.2	47.1	35.6
101 Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	23.1	46.3	44.4
102 King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
103 Kittitas Valley Wind	16.2	24.3	22.6	18.2	26.0	19.9	10.6	17.6	20.2	36.1	30.4	32.5	32.1	31.4	23.7
104 Klondike Wind 1	3.86	5.80	5.39	4.33	6.20	4.73	2.53	4.18	4.81	8.60	7.24	7.74	7.65	7.48	5.65
105 Klondike Wind 2	12.1	18.1	16.8	13.5	19.4	14.8	7.90	13.1	15.0	26.9	22.6	24.2	23.9	23.4	17.7
106 Klondike Wind 3	36.0	54.0	50.2	40.4	57.8	44.1	23.6	39.0	44.8	80.2	67.5	72.2	71.4	69.8	52.7
107 Klondike Wind 3a	12.3	18.5	17.2	13.8	19.8	15.1	8.06	13.3	15.3	27.4	23.1	24.7	24.4	23.8	18.0
108 Knudson Wind	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
109 Lakeview Solar	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
110 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Lakeview Solar 500	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
112 Leaning Juniper Wind	48.6	72.9	67.7	54.4	78.0	59.4	31.8	52.6	60.5	108	91.0	97.3	96.2	94.1	71.1
113 Leaning Juniper 1	16.2	24.3	22.5	18.1	26.0	19.8	10.6	17.5	20.1	36.0	30.3	32.4	32.0	31.3	23.7
114 Leaning Juniper 2a	14.5	21.8	20.3	16.3	23.3	17.8	9.51	15.7	18.1	32.4	27.2	29.1	28.8	28.1	21.3
115 Leaning Juniper 2b	17.9	26.8	24.9	20.0	28.7	21.9	11.7	19.3	22.2	39.8	33.5	35.8	35.4	34.6	26.1
116 Lewandowski Farms Wind	0.11	0.10	0.08	0.08	0.08	0.06	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
117 Lime Wind	0.48	0.72	0.67	0.54	0.78	0.59	0.32	0.52	0.60	1.08	0.91	0.97	0.96	0.94	0.71
118 Linden Ranch Wind	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
119 Livingston Wind	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
120 Lower Snake Wind	98.1	147	137	110	157	120	64.2	106	122	218	184	197	194	190	144

Regional: Renewable Resources

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
121 Lower Snake Wind 1	55.2	82.7	76.9	61.8	88.5	67.5	36.1	59.7	68.7	123	103	111	109	107	80.7
122 Tucannon River Wind	42.9	64.4	59.9	48.1	68.9	52.5	28.1	46.5	53.5	95.6	80.4	86.0	85.1	83.2	62.8
123 LRI/Graham Landfill - BioFuels	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28
124 Mainline Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
125 Marengo Wind	33.9	50.8	47.3	38.0	54.4	41.5	22.2	36.7	42.2	75.5	63.5	67.9	67.2	65.6	49.6
126 Marengo Wind 1	22.6	33.9	31.5	25.3	36.3	27.7	14.8	24.5	28.1	50.3	42.3	45.3	44.8	43.8	33.1
127 Marengo Wind 2	11.3	17.0	15.8	12.7	18.1	13.8	7.39	12.2	14.1	25.2	21.2	22.6	22.4	21.9	16.5
128 Meadow Creek Wind	19.3	28.9	26.9	21.6	30.9	23.6	12.6	20.9	24.0	42.9	36.1	38.6	38.2	37.3	28.2
129 Five Pine Wind	6.42	9.63	8.95	7.19	10.3	7.86	4.20	6.95	7.99	14.3	12.0	12.9	12.7	12.4	9.39
130 North Point Wind	12.8	19.3	17.9	14.4	20.6	15.7	8.40	13.9	16.0	28.6	24.1	25.7	25.4	24.9	18.8
131 Milner Dam Wind Farm	3.14	4.71	4.38	3.52	5.04	3.84	2.05	3.40	3.91	6.99	5.88	6.29	6.22	6.08	4.59
132 Mountain Home Solar	10.00	10.00	9.00	8.00	7.00	3.00	3.00	4.00	5.00	6.00	6.00	7.00	9.00	9.00	6.68
133 Moyer-Tolles Solar Station	0.52	0.52	0.52	0.39	0.39	0.26	0.13	0.13	0.26	0.26	0.26	0.39	0.39	0.52	0.35
134 Murphy Flat Solar Power	8.00	8.00	8.00	6.00	5.00	2.00	2.00	2.00	4.00	5.00	5.00	7.00	7.00	8.00	5.35
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	21.0
136 Nine Canyon Wind	15.4	23.2	21.5	17.3	24.8	18.9	10.1	16.7	19.2	34.4	28.9	30.9	30.6	29.9	22.6
137 Nine Canyon Wind 1	7.75	11.6	10.8	8.68	12.4	9.48	5.07	8.39	9.64	17.3	14.5	15.5	15.4	15.0	11.3
138 Nine Canyon Wind 2	2.50	3.75	3.49	2.80	4.01	3.06	1.64	2.71	3.11	5.57	4.68	5.01	4.95	4.84	3.66
139 Nine Canyon Wind 3	5.19	7.78	7.23	5.81	8.33	6.35	3.39	5.62	6.46	11.5	9.72	10.4	10.3	10.0	7.59
140 Open Range Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
141 Orchard Ranch Solar	7.96	7.96	6.25	4.46	2.58	1.71	2.25	4.04	4.96	6.50	6.50	7.21	8.33	8.29	5.38
142 Oregon Trail Wind	2.17	3.26	3.03	2.43	3.49	2.66	1.42	2.35	2.71	4.84	4.07	4.35	4.31	4.21	3.18
143 Outback Solar	1.61	1.61	1.33	0.93	0.55	0.39	0.40	0.83	1.06	1.34	1.34	1.51	1.78	1.81	1.13
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	2.73
145 Palouse Wind	16.8	25.2	23.4	18.8	27.0	20.6	11.0	18.2	20.9	37.4	31.5	33.7	33.3	32.5	24.6
146 PaTu Wind	1.45	2.17	2.02	1.62	2.33	1.77	0.95	1.57	1.80	3.23	2.71	2.90	2.87	2.81	2.12
147 Paynes Ferry Wind Park	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
148 Pebble Springs Wind	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
149 Pepsi-Cola Solar	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
150 Pepsi-Cola Eugene Solar 1	0	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	0
152 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 Pilgrim Stage Station Wind Park	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
154 Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
155 Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
156 Power County Wind	7.24	10.9	10.1	8.11	11.6	8.86	4.74	7.84	9.02	16.1	13.6	14.5	14.4	14.0	10.6
157 Prospector Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
158 Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
159 Qualco Dairy Digester	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
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	8.64
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	8.64

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
162 Raft River Geothermal 2	0	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	0
164 Railroad Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
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	0.86
166 Rattlesnake Road Wind Farm	16.6	24.8	23.1	18.6	26.6	20.3	10.8	17.9	20.6	36.9	31.0	33.2	32.8	32.1	24.2
167 River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
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	1.00
169 Rock River Wind	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
170 Rockland wind	12.7	19.1	17.8	14.3	20.5	15.6	8.34	13.8	15.9	28.4	23.9	25.5	25.3	24.7	18.6
171 Ryegrass Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
172 Salmon Falls Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
173 Sawtooth Wind	3.61	5.41	5.03	4.04	5.79	4.41	2.36	3.90	4.49	8.03	6.75	7.22	7.14	6.98	5.27
174 Shepherds Flat Wind	136	204	190	152	218	166	89.0	147	169	303	255	273	269	263	199
175 Shepherds Flat - Central (South Hurlburt)	46.7	70.0	65.1	52.3	74.9	57.1	30.5	50.5	58.1	104	87.4	93.5	92.5	90.4	68.3
176 Shepherds Flat - North (North Hurlburt)	42.7	64.0	59.5	47.8	68.5	52.2	27.9	46.2	53.1	95.0	79.9	85.5	84.5	82.6	62.4
177 Shepherds Flat - South (Horseshoe Bend)	46.7	70.0	65.1	52.3	74.9	57.1	30.5	50.5	58.1	104	87.4	93.5	92.5	90.4	68.3
178 Short Mountain	2.30	2.30	2.40	2.60	2.80	3.00	3.10	3.00	3.00	3.10	3.10	3.00	2.20	2.30	2.73
179 Simco Solar	7.98	7.98	6.28	4.50	2.61	1.73	2.27	4.09	4.97	6.10	6.10	7.24	8.34	8.30	5.37
180 Star Point Wind	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
181 Stateline Wind	48.3	72.5	67.4	54.1	77.6	59.1	31.6	52.3	60.2	108	90.5	96.9	95.8	93.6	70.7
182 Stateline-OR	19.5	29.2	27.2	21.8	31.3	23.8	12.8	21.1	24.3	43.4	36.5	39.0	38.6	37.7	28.5
183 Stateline-WA	28.9	43.3	40.2	32.3	46.3	35.3	18.9	31.2	35.9	64.2	54.0	57.8	57.2	55.9	42.2
184 Steel Bridge Solar	0.50	0.50	0.47	0.29	0.15	0.12	0.16	0.22	0.34	0.40	0.40	0.49	0.54	0.56	0.35
185 Stoltze Biomass	2.60	2.60	2.60	2.60	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.60	2.60	2.60	2.50
186 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0.68	1.03	0.95	0.77	1.10	0.84	0.45	0.74	0.85	1.52	1.28	1.37	1.36	1.33	1.00
188 Thousand Springs Wind Park	1.93	2.90	2.69	2.16	3.10	2.36	1.26	2.09	2.40	4.30	3.62	3.87	3.83	3.74	2.83
189 Threemile Canyon Wind	1.59	2.39	2.22	1.79	2.56	1.95	1.04	1.73	1.98	3.55	2.99	3.19	3.16	3.09	2.33
190 Thundereqq Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
191 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Gulch Wind	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
193 Tuana Springs Wind	2.70	4.06	3.77	3.03	4.34	3.31	1.77	2.93	3.37	6.02	5.07	5.42	5.36	5.24	3.96
194 Two Ponds Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
195 Vale Air Solar Center	1.00	1.00	1.00	1.00	0	0	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.75
196 Van Dyk's Holsteins	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
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	0.40
198 Vansycle Wind	20.0	29.9	27.8	22.4	32.0	24.4	13.1	21.6	24.8	44.4	37.4	40.0	39.5	38.7	29.2
199 Vansycle 1	4.04	6.06	5.63	4.53	6.49	4.94	2.64	4.37	5.03	8.99	7.57	8.10	8.00	7.82	5.91
200 Vansycle 2	15.9	23.9	22.2	17.8	25.6	19.5	10.4	17.2	19.8	35.4	29.8	31.9	31.5	30.8	23.3

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
201 Vantage Wind	14.5	21.7	20.2	16.2	23.3	17.7	9.48	15.7	18.0	32.2	27.1	29.0	28.7	28.1	21.2
202 Wheat Field Wind	15.5	23.3	21.7	17.4	25.0	19.0	10.2	16.8	19.4	34.6	29.1	31.2	30.8	30.1	22.7
203 White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
204 White Creek Wind	32.2	48.3	44.9	36.1	51.7	39.4	21.1	34.9	40.1	71.7	60.3	64.5	63.8	62.3	47.1
205 Wild Horse Wind	44.0	65.9	61.3	49.2	70.5	53.8	28.8	47.6	54.7	97.8	82.3	88.0	87.0	85.1	64.3
206 Wild Horse Solar 1	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
207 Wild Horse Wind 1	36.8	55.2	51.3	41.2	59.1	45.0	24.1	39.8	45.8	81.9	68.9	73.7	72.9	71.3	53.8
208 Wild Horse Wind 2	7.08	10.6	9.87	7.93	11.4	8.67	4.63	7.67	8.82	15.8	13.3	14.2	14.0	13.7	10.4
209 Willow Creek Wind	11.6	17.4	16.2	13.0	18.6	14.2	7.58	12.5	14.4	25.8	21.7	23.2	23.0	22.4	17.0
210 Willow Spring Wind Farm	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
211 Windy Point Wind	64.2	96.3	89.5	71.9	103	78.5	42.0	69.5	79.9	143	120	129	127	124	93.9
212 Windy Point 1	22.0	33.0	30.6	24.6	35.3	26.9	14.4	23.8	27.4	48.9	41.2	44.1	43.6	42.6	32.2
213 Windy Point 2	32.6	48.9	45.4	36.5	52.3	39.9	21.3	35.3	40.6	72.5	61.0	65.3	64.5	63.1	47.7
214 Windy Point 2 - Phase 2	9.63	14.4	13.4	10.8	15.5	11.8	6.30	10.4	12.0	21.4	18.0	19.3	19.1	18.6	14.1
215 Wolverine Creek Wind	10.4	15.6	14.5	11.6	16.7	12.7	6.79	11.2	12.9	23.1	19.4	20.8	20.6	20.1	15.2
216 Yahoo Creek Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
217 Yamhill Solar	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
Total Renewable Resources															
218 Cooperative	18.5	22.9	22.0	19.5	23.4	19.6	15.0	18.7	20.3	28.7	25.7	27.1	26.9	26.5	22.2
219 Federal Entities	39.6	59.4	55.2	41.3	59.2	45.2	24.2	40.0	45.9	82.2	69.1	74.0	73.1	71.5	54.6
220 Investor Owned Utilities	940	1310	1222	1005	1348	1048	611	951	1081	1821	1559	1666	1637	1631	1252
221 Marketer	94.5	142	132	106	152	116	61.9	102	118	210	177	189	187	183	138
222 Municipality	217	318	296	241	339	262	147	233	266	464	393	419	415	406	310
223 Other	7.76	11.4	10.6	8.50	12.0	9.12	4.87	7.97	9.28	16.4	13.8	14.9	14.7	14.5	10.9
224 Public Utility District	118	165	155	130	176	140	86.1	127	142	235	201	214	211	207	162
225 Total	1435	2029	1894	1551	2109	1639	950	1479	1682	2858	2439	2605	2564	2539	1950

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Renewable Resources															
1 3 Bar G Wind	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
2 American Falls Solar	16.0	16.0	14.0	12.0	8.00	4.00	2.00	4.00	6.00	10.00	10.00	12.0	14.0	16.0	9.86
3 American Falls Solar 1	8.00	8.00	7.00	6.00	4.00	2.00	1.00	2.00	3.00	5.00	5.00	6.00	7.00	8.00	4.93
4 American Falls Solar 2	8.00	8.00	7.00	6.00	4.00	2.00	1.00	2.00	3.00	5.00	5.00	6.00	7.00	8.00	4.93
5 Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
6 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0
10 Baldock Solar	0.31	0.31	0.25	0.18	0.09	0.06	0.10	0.13	0.21	0.25	0.25	0.32	0.32	0.35	0.21
11 Bannock County Landfill	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
12 Bellevue Solar (Amity, OR)	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.21
13 Bennett Creek Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
14 Benson Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
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	0.69
16 Big Horn Wind	40.2	60.2	56.0	45.0	64.5	49.1	26.3	43.5	50.0	89.4	75.2	80.5	79.6	77.8	58.7
17 Big Horn 1	32.1	48.2	44.8	36.0	51.5	39.3	21.0	34.8	40.0	71.5	60.1	64.3	63.6	62.2	47.0
18 Big Horn 2	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
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	1.06
20 Biglow Canyon Wind	72.4	109	101	81.1	116	88.6	47.4	78.4	90.1	161	136	145	143	140	106
21 Biglow Canyon 1	20.2	30.3	28.1	22.6	32.4	24.7	13.2	21.9	25.1	44.9	37.8	40.4	40.0	39.1	29.5
22 Biglow Canyon 2	24.1	36.1	33.5	27.0	38.6	29.4	15.7	26.1	30.0	53.6	45.1	48.2	47.7	46.6	35.2
23 Biglow Canyon 3	28.1	42.2	39.2	31.5	45.2	34.4	18.4	30.5	35.0	62.6	52.7	56.4	55.7	54.5	41.2
24 Black Cap Solar Project	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
25 Blue Basin Power	0.52	0.52	0.52	0.39	0.39	0.26	0.13	0.13	0.26	0.26	0.26	0.39	0.39	0.52	0.35
26 Boise City Solar	16.2	16.2	13.7	11.6	7.07	6.09	6.19	9.07	11.1	12.9	12.9	15.1	16.0	17.4	11.9
27 Burley Butte Wind	3.14	4.71	4.38	3.52	5.04	3.84	2.05	3.40	3.91	6.99	5.88	6.29	6.22	6.08	4.59
28 Camp Reed Wind	3.62	5.43	5.05	4.06	5.81	4.43	2.37	3.92	4.51	8.06	6.78	7.26	7.18	7.01	5.30
29 Cassia Farms Wind	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
30 Cassia Gulch Wind	3.04	4.56	4.24	3.41	4.88	3.72	1.99	3.29	3.79	6.77	5.70	6.10	6.03	5.89	4.45
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	1.16
32 Clark Community Solar	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
33 Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36
34 Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38
35 Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98
36 Cold Springs Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
37 Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
38 Combine Hills Wind	16.7	25.1	23.3	18.8	26.9	20.5	11.0	18.1	20.8	37.3	31.4	33.5	33.2	32.4	24.5
39 Combine Hills 2	10.1	15.2	14.1	11.4	16.3	12.4	6.64	11.0	12.6	22.6	19.0	20.3	20.1	19.6	14.8

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40 Combine Hills I	6.60	9.90	9.20	7.39	10.6	8.08	4.32	7.15	8.21	14.7	12.4	13.2	13.1	12.8	9.65
41 Condon Wind	8.02	12.0	11.2	8.98	12.9	9.81	5.25	8.68	9.98	17.8	15.0	16.1	15.9	15.5	11.7
42 Condon 1	3.96	5.94	5.52	4.44	6.36	4.85	2.59	4.29	4.93	8.82	7.42	7.93	7.84	7.67	5.79
43 Condon 2	4.06	6.08	5.65	4.54	6.51	4.96	2.65	4.39	5.05	9.03	7.60	8.13	8.04	7.85	5.93
44 Cowlitz Community Solar	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	0.09
45 Cowlitz Community Solar - Admin Building	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
46 Cowlitz Community Solar - Operations Building	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
47 Deep Creek Wind	0	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	1.20
49 Desert Meadow Windfarm	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
50 Domaine Drouhin Solar	0.02	0.02	0.02	0.01	0	0	0	0.01	0.01	0	0	0	0.01	0.01	0.01
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	1.00
52 Double B Digester	0	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	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	1.26
55 Durbin Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
56 Echo Wind Farm	10.4	15.6	14.5	11.6	16.7	12.7	6.80	11.2	12.9	23.1	19.5	20.8	20.6	20.1	15.2
57 Echo Wind 1	7.17	10.8	10.00	8.03	11.5	8.77	4.69	7.76	8.93	16.0	13.4	14.4	14.2	13.9	10.5
58 Echo Wind 2	3.22	4.83	4.49	3.61	5.17	3.94	2.11	3.49	4.01	7.17	6.03	6.45	6.38	6.23	4.71
59 Edaleen Cow Power	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
60 Elkhorn Valley Wind Project	16.2	24.3	22.6	18.1	26.0	19.8	10.6	17.5	20.2	36.1	30.3	32.5	32.1	31.4	23.7
61 Farm Power Lynden	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
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	0.75
63 Farm Power Rexville	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
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	1.00
65 Fighting Creek Landfill	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
66 Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
67 Finn Hill Solar	0.07	0.07	0.06	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.06	0.07	0.05
68 Flathead County Landfill	1.33	1.33	1.33	1.33	1.23	1.24	1.24	1.28	1.24	1.33	1.33	1.33	1.33	1.33	1.30
69 Foote Creek 1 Wind	6.66	10.00	9.29	7.46	10.7	8.15	4.36	7.21	8.29	14.8	12.5	13.4	13.2	12.9	9.75
70 Foote Creek 2 Wind	0.29	0.44	0.40	0.33	0.47	0.36	0.19	0.31	0.36	0.65	0.54	0.58	0.57	0.56	0.42
71 Foote Creek 4 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Forest Glen Oaks Dairy	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
73 Fossil Gulch Wind Project	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
74 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Golden Valley Wind	1.93	2.90	2.69	2.16	3.10	2.36	1.26	2.09	2.40	4.30	3.62	3.87	3.83	3.74	2.83
76 Goodnoe Hills Wind	15.1	22.7	21.1	16.9	24.3	18.5	9.90	16.4	18.8	33.7	28.3	30.3	30.0	29.3	22.1
77 Goshen North (Ridgeline Wind)	20.0	30.1	27.9	22.4	32.2	24.5	13.1	21.7	24.9	44.6	37.5	40.2	39.7	38.8	29.3
78 Grayland Wind	0.97	1.45	1.35	1.08	1.55	1.18	0.63	1.05	1.20	2.15	1.81	1.94	1.91	1.87	1.41
79 Grove Solar Center	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	0	1.00	1.00	1.00	1.54

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
80 H.W. Hill Landfill Gas (Roosevelt)	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
81 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 HW Hill Landfill Gas 2	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
83 Hammett Hill Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
84 Harvest Wind	15.9	23.9	22.2	17.8	25.6	19.5	10.4	17.2	19.8	35.4	29.8	31.9	31.5	30.8	23.3
85 Hay Canyon Wind	16.2	24.3	22.6	18.2	26.0	19.9	10.6	17.6	20.2	36.1	30.4	32.5	32.1	31.4	23.7
86 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
88 High Mesa Wind	6.42	9.63	8.95	7.19	10.3	7.86	4.20	6.95	7.99	14.3	12.0	12.9	12.7	12.4	9.39
89 Hopkins Ridge Wind	25.2	37.8	35.1	28.2	40.5	30.8	16.5	27.3	31.4	56.1	47.2	50.5	49.9	48.8	36.9
90 Hopkins Ridge 2	1.16	1.74	1.62	1.30	1.86	1.42	0.76	1.26	1.44	2.58	2.17	2.32	2.30	2.24	1.70
91 Hopkins Ridge I	24.0	36.1	33.5	26.9	38.6	29.4	15.7	26.0	29.9	53.5	45.0	48.2	47.6	46.6	35.2
92 Horse Butte Wind	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
93 Horseshoe Bend Wind Project	1.45	2.17	2.02	1.62	2.33	1.77	0.95	1.57	1.80	3.23	2.71	2.90	2.87	2.81	2.12
94 Hot Springs Wind	3.19	4.78	4.44	3.57	5.12	3.90	2.09	3.45	3.97	7.10	5.97	6.39	6.31	6.17	4.66
95 Hyline Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
96 Industrial Finishes Solar	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
97 JC-Biomethane	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
98 Jett Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
99 Josef Staufer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Juniper Canyon Wind	24.3	36.5	33.9	27.3	39.1	29.8	15.9	26.3	30.3	54.2	45.6	48.8	48.2	47.1	35.6
101 Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	34.7	23.1	46.3	43.4
102 King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
103 Kittitas Valley Wind	16.2	24.3	22.6	18.2	26.0	19.9	10.6	17.6	20.2	36.1	30.4	32.5	32.1	31.4	23.7
104 Klondike Wind 1	3.86	5.80	5.39	4.33	6.20	4.73	2.53	4.18	4.81	8.60	7.24	7.74	7.65	7.48	5.65
105 Klondike Wind 2	12.1	18.1	16.8	13.5	19.4	14.8	7.90	13.1	15.0	26.9	22.6	24.2	23.9	23.4	17.7
106 Klondike Wind 3	36.0	54.0	50.2	40.4	57.8	44.1	23.6	39.0	44.8	80.2	67.5	72.2	71.4	69.8	52.7
107 Klondike Wind 3a	12.3	18.5	17.2	13.8	19.8	15.1	8.06	13.3	15.3	27.4	23.1	24.7	24.4	23.8	18.0
108 Knudson Wind	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
109 Lakeview Solar	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
110 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Lakeview Solar 500	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
112 Leaning Juniper Wind	48.6	72.9	67.7	54.4	78.0	59.4	31.8	52.6	60.5	108	91.0	97.3	96.2	94.1	71.1
113 Leaning Juniper 1	16.2	24.3	22.5	18.1	26.0	19.8	10.6	17.5	20.1	36.0	30.3	32.4	32.0	31.3	23.7
114 Leaning Juniper 2a	14.5	21.8	20.3	16.3	23.3	17.8	9.51	15.7	18.1	32.4	27.2	29.1	28.8	28.1	21.3
115 Leaning Juniper 2b	17.9	26.8	24.9	20.0	28.7	21.9	11.7	19.3	22.2	39.8	33.5	35.8	35.4	34.6	26.1
116 Lewandowski Farms Wind	0.11	0.10	0.08	0.08	0.08	0.06	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
117 Lime Wind	0.48	0.72	0.67	0.54	0.78	0.59	0.32	0.52	0.60	1.08	0.91	0.97	0.96	0.94	0.71
118 Linden Ranch Wind	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
119 Livingston Wind	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
120 Lower Snake Wind	98.1	147	137	110	157	120	64.2	106	122	218	184	197	194	190	144

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

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
121 Lower Snake Wind 1	55.2	82.7	76.9	61.8	88.5	67.5	36.1	59.7	68.7	123	103	111	109	107	80.7
122 Tucannon River Wind	42.9	64.4	59.9	48.1	68.9	52.5	28.1	46.5	53.5	95.6	80.4	86.0	85.1	83.2	62.8
123 LRI/Graham Landfill - BioFuels	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28
124 Mainline Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
125 Marengo Wind	33.9	50.8	47.3	38.0	54.4	41.5	22.2	36.7	42.2	75.5	63.5	67.9	67.2	65.6	49.6
126 Marengo Wind 1	22.6	33.9	31.5	25.3	36.3	27.7	14.8	24.5	28.1	50.3	42.3	45.3	44.8	43.8	33.1
127 Marengo Wind 2	11.3	17.0	15.8	12.7	18.1	13.8	7.39	12.2	14.1	25.2	21.2	22.6	22.4	21.9	16.5
128 Meadow Creek Wind	19.3	28.9	26.9	21.6	30.9	23.6	12.6	20.9	24.0	42.9	36.1	38.6	38.2	37.3	28.2
129 Five Pine Wind	6.42	9.63	8.95	7.19	10.3	7.86	4.20	6.95	7.99	14.3	12.0	12.9	12.7	12.4	9.39
130 North Point Wind	12.8	19.3	17.9	14.4	20.6	15.7	8.40	13.9	16.0	28.6	24.1	25.7	25.4	24.9	18.8
131 Milner Dam Wind Farm	3.14	4.71	4.38	3.52	5.04	3.84	2.05	3.40	3.91	6.99	5.88	6.29	6.22	6.08	4.59
132 Mountain Home Solar	10.00	10.00	9.00	8.00	7.00	3.00	3.00	4.00	5.00	6.00	6.00	7.00	9.00	9.00	6.68
133 Moyer-Tolles Solar Station	0.52	0.52	0.52	0.39	0.39	0.26	0.13	0.13	0.26	0.26	0.26	0.39	0.39	0.52	0.35
134 Murphy Flat Solar Power	8.00	8.00	8.00	6.00	5.00	2.00	2.00	2.00	4.00	5.00	5.00	7.00	7.00	8.00	5.35
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	21.0
136 Nine Canyon Wind	15.4	23.2	21.5	17.3	24.8	18.9	10.1	16.7	19.2	34.4	28.9	30.9	30.6	29.9	22.6
137 Nine Canyon Wind 1	7.75	11.6	10.8	8.68	12.4	9.48	5.07	8.39	9.64	17.3	14.5	15.5	15.4	15.0	11.3
138 Nine Canyon Wind 2	2.50	3.75	3.49	2.80	4.01	3.06	1.64	2.71	3.11	5.57	4.68	5.01	4.95	4.84	3.66
139 Nine Canyon Wind 3	5.19	7.78	7.23	5.81	8.33	6.35	3.39	5.62	6.46	11.5	9.72	10.4	10.3	10.0	7.59
140 Open Range Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
141 Orchard Ranch Solar	7.96	7.96	6.25	4.46	2.58	1.71	2.25	4.04	4.96	6.50	6.50	7.21	8.33	8.29	5.38
142 Oregon Trail Wind	2.17	3.26	3.03	2.43	3.49	2.66	1.42	2.35	2.71	4.84	4.07	4.35	4.31	4.21	3.18
143 Outback Solar	1.61	1.61	1.33	0.93	0.55	0.39	0.40	0.83	1.06	1.34	1.34	1.51	1.78	1.81	1.13
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	2.73
145 Palouse Wind	16.8	25.2	23.4	18.8	27.0	20.6	11.0	18.2	20.9	37.4	31.5	33.7	33.3	32.5	24.6
146 PaTu Wind	1.45	2.17	2.02	1.62	2.33	1.77	0.95	1.57	1.80	3.23	2.71	2.90	2.87	2.81	2.12
147 Paynes Ferry Wind Park	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
148 Pebble Springs Wind	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
149 Pepsi-Cola Solar	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
150 Pepsi-Cola Eugene Solar 1	0	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	0
152 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 Pilgrim Stage Station Wind Park	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
154 Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
155 Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
156 Power County Wind	7.24	10.9	10.1	8.11	11.6	8.86	4.74	7.84	9.02	16.1	13.6	14.5	14.4	14.0	10.6
157 Prospector Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
158 Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
159 Qualco Dairy Digester	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
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	8.64
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	8.64

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
162 Raft River Geothermal 2	0	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	0
164 Railroad Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
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	0.86
166 Rattlesnake Road Wind Farm	16.6	24.8	23.1	18.6	26.6	20.3	10.8	17.9	20.6	36.9	31.0	33.2	32.8	32.1	24.2
167 River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
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	1.00
169 Rock River Wind	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
170 Rockland wind	12.7	19.1	17.8	14.3	20.5	15.6	8.34	13.8	15.9	28.4	23.9	25.5	25.3	24.7	18.6
171 Ryegrass Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
172 Salmon Falls Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
173 Sawtooth Wind	3.61	5.41	5.03	4.04	5.79	4.41	2.36	3.90	4.49	8.03	6.75	7.22	7.14	6.98	5.27
174 Shepherds Flat Wind	136	204	190	152	218	166	89.0	147	169	303	255	273	269	263	199
175 Shepherds Flat - Central (South Hurlburt)	46.7	70.0	65.1	52.3	74.9	57.1	30.5	50.5	58.1	104	87.4	93.5	92.5	90.4	68.3
176 Shepherds Flat - North (North Hurlburt)	42.7	64.0	59.5	47.8	68.5	52.2	27.9	46.2	53.1	95.0	79.9	85.5	84.5	82.6	62.4
177 Shepherds Flat - South (Horseshoe Bend)	46.7	70.0	65.1	52.3	74.9	57.1	30.5	50.5	58.1	104	87.4	93.5	92.5	90.4	68.3
178 Short Mountain	2.30	2.30	2.40	2.60	2.80	3.00	3.10	3.00	3.00	3.10	3.10	3.00	2.20	2.30	2.73
179 Simco Solar	7.98	7.98	6.28	4.50	2.61	1.73	2.27	4.09	4.97	6.10	6.10	7.24	8.34	8.30	5.37
180 Star Point Wind	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
181 Stateline Wind	48.3	72.5	67.4	54.1	77.6	59.1	31.6	52.3	60.2	108	90.5	96.9	95.8	93.6	70.7
182 Stateline-OR	19.5	29.2	27.2	21.8	31.3	23.8	12.8	21.1	24.3	43.4	36.5	39.0	38.6	37.7	28.5
183 Stateline-WA	28.9	43.3	40.2	32.3	46.3	35.3	18.9	31.2	35.9	64.2	54.0	57.8	57.2	55.9	42.2
184 Steel Bridge Solar	0.50	0.50	0.47	0.29	0.15	0.12	0.16	0.22	0.34	0.40	0.40	0.49	0.54	0.56	0.35
185 Stoltze Biomass	2.60	2.60	2.60	2.60	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.60	2.60	2.60	2.50
186 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0.68	1.03	0.95	0.77	1.10	0.84	0.45	0.74	0.85	1.52	1.28	1.37	1.36	1.33	1.00
188 Thousand Springs Wind Park	1.93	2.90	2.69	2.16	3.10	2.36	1.26	2.09	2.40	4.30	3.62	3.87	3.83	3.74	2.83
189 Threemile Canyon Wind	1.59	2.39	2.22	1.79	2.56	1.95	1.04	1.73	1.98	3.55	2.99	3.19	3.16	3.09	2.33
190 Thundereqq Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
191 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Gulch Wind	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
193 Tuana Springs Wind	2.70	4.06	3.77	3.03	4.34	3.31	1.77	2.93	3.37	6.02	5.07	5.42	5.36	5.24	3.96
194 Two Ponds Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
195 Vale Air Solar Center	1.00	1.00	1.00	1.00	0	0	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.75
196 Van Dyk's Holsteins	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
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	0.40
198 Vansycle Wind	20.0	29.9	27.8	22.4	32.0	24.4	13.1	21.6	24.8	44.4	37.4	40.0	39.5	38.7	29.2
199 Vansycle 1	4.04	6.06	5.63	4.53	6.49	4.94	2.64	4.37	5.03	8.99	7.57	8.10	8.00	7.82	5.91
200 Vansycle 2	15.9	23.9	22.2	17.8	25.6	19.5	10.4	17.2	19.8	35.4	29.8	31.9	31.5	30.8	23.3

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201 Vantage Wind	14.5	21.7	20.2	16.2	23.3	17.7	9.48	15.7	18.0	32.2	27.1	29.0	28.7	28.1	21.2
202 Wheat Field Wind	15.5	23.3	21.7	17.4	25.0	19.0	10.2	16.8	19.4	34.6	29.1	31.2	30.8	30.1	22.7
203 White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
204 White Creek Wind	32.2	48.3	44.9	36.1	51.7	39.4	21.1	34.9	40.1	71.7	60.3	64.5	63.8	62.3	47.1
205 Wild Horse Wind	44.0	65.9	61.3	49.2	70.5	53.8	28.8	47.6	54.7	97.8	82.3	88.0	87.0	85.1	64.3
206 Wild Horse Solar 1	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
207 Wild Horse Wind 1	36.8	55.2	51.3	41.2	59.1	45.0	24.1	39.8	45.8	81.9	68.9	73.7	72.9	71.3	53.8
208 Wild Horse Wind 2	7.08	10.6	9.87	7.93	11.4	8.67	4.63	7.67	8.82	15.8	13.3	14.2	14.0	13.7	10.4
209 Willow Creek Wind	11.6	17.4	16.2	13.0	18.6	14.2	7.58	12.5	14.4	25.8	21.7	23.2	23.0	22.4	17.0
210 Willow Spring Wind Farm	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
211 Windy Point Wind	64.2	96.3	89.5	71.9	103	78.5	42.0	69.5	79.9	143	120	129	127	124	93.9
212 Windy Point 1	22.0	33.0	30.6	24.6	35.3	26.9	14.4	23.8	27.4	48.9	41.2	44.1	43.6	42.6	32.2
213 Windy Point 2	32.6	48.9	45.4	36.5	52.3	39.9	21.3	35.3	40.6	72.5	61.0	65.3	64.5	63.1	47.7
214 Windy Point 2 - Phase 2	9.63	14.4	13.4	10.8	15.5	11.8	6.30	10.4	12.0	21.4	18.0	19.3	19.1	18.6	14.1
215 Wolverine Creek Wind	10.4	15.6	14.5	11.6	16.7	12.7	6.79	11.2	12.9	23.1	19.4	20.8	20.6	20.1	15.2
216 Yahoo Creek Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
217 Yamhill Solar	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
Total Renewable Resources															
218 Cooperative	18.5	22.9	22.0	19.5	23.4	19.6	15.0	18.7	20.3	28.7	25.7	27.1	26.9	26.5	22.2
219 Federal Entities	36.9	55.4	51.4	41.3	59.2	45.2	24.2	40.0	45.9	82.2	64.5	61.3	60.6	59.2	50.6
220 Investor Owned Utilities	940	1310	1222	1005	1348	1048	611	951	1081	1821	1559	1655	1637	1631	1251
221 Marketer	94.5	142	132	106	152	116	61.9	102	118	210	177	197	195	191	140
222 Municipality	217	318	296	241	339	262	147	233	266	464	398	424	420	411	312
223 Other	7.76	11.4	10.6	8.50	12.0	9.12	4.87	7.97	9.28	16.4	13.8	14.9	14.7	14.5	10.9
224 Public Utility District	118	165	155	130	176	140	86.1	127	142	235	201	214	211	207	162
225 Total	1433	2025	1890	1551	2109	1639	950	1479	1682	2858	2439	2593	2564	2539	1949

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Renewable Resources															
1 3 Bar G Wind	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
2 American Falls Solar	16.0	16.0	14.0	12.0	8.00	4.00	2.00	4.00	6.00	10.00	10.00	12.0	14.0	16.0	9.86
3 American Falls Solar 1	8.00	8.00	7.00	6.00	4.00	2.00	1.00	2.00	3.00	5.00	5.00	6.00	7.00	8.00	4.93
4 American Falls Solar 2	8.00	8.00	7.00	6.00	4.00	2.00	1.00	2.00	3.00	5.00	5.00	6.00	7.00	8.00	4.93
5 Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
6 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0
10 Baldock Solar	0.31	0.31	0.25	0.18	0.09	0.06	0.10	0.13	0.21	0.25	0.25	0.32	0.32	0.35	0.21
11 Bannock County Landfill	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
12 Bellevue Solar (Amity, OR)	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.21
13 Bennett Creek Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
14 Benson Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
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	0.69
16 Big Horn Wind	40.2	60.2	56.0	45.0	64.5	49.1	26.3	43.5	50.0	89.4	75.2	80.5	79.6	77.8	58.7
17 Big Horn 1	32.1	48.2	44.8	36.0	51.5	39.3	21.0	34.8	40.0	71.5	60.1	64.3	63.6	62.2	47.0
18 Big Horn 2	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
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	1.06
20 Biglow Canyon Wind	72.4	109	101	81.1	116	88.6	47.4	78.4	90.1	161	136	145	143	140	106
21 Biglow Canyon 1	20.2	30.3	28.1	22.6	32.4	24.7	13.2	21.9	25.1	44.9	37.8	40.4	40.0	39.1	29.5
22 Biglow Canyon 2	24.1	36.1	33.5	27.0	38.6	29.4	15.7	26.1	30.0	53.6	45.1	48.2	47.7	46.6	35.2
23 Biglow Canyon 3	28.1	42.2	39.2	31.5	45.2	34.4	18.4	30.5	35.0	62.6	52.7	56.4	55.7	54.5	41.2
24 Black Cap Solar Project	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
25 Blue Basin Power	0.52	0.52	0.52	0.39	0.39	0.26	0.13	0.13	0.26	0.26	0.26	0.39	0.39	0.52	0.35
26 Boise City Solar	16.2	16.2	13.7	11.6	7.07	6.09	6.19	9.07	11.1	12.9	12.9	15.1	16.0	17.4	11.9
27 Burley Butte Wind	3.14	4.71	4.38	3.52	5.04	3.84	2.05	3.40	3.91	6.99	5.88	6.29	6.22	6.08	4.59
28 Camp Reed Wind	3.62	5.43	5.05	4.06	5.81	4.43	2.37	3.92	4.51	8.06	6.78	7.26	7.18	7.01	5.30
29 Cassia Farms Wind	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
30 Cassia Gulch Wind	3.04	4.56	4.24	3.41	4.88	3.72	1.99	3.29	3.79	6.77	5.70	6.10	6.03	5.89	4.45
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	1.16
32 Clark Community Solar	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
33 Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36
34 Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38
35 Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98
36 Cold Springs Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
37 Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
38 Combine Hills Wind	16.7	25.1	23.3	18.8	26.9	20.5	11.0	18.1	20.8	37.3	31.4	33.5	33.2	32.4	24.5
39 Combine Hills 2	10.1	15.2	14.1	11.4	16.3	12.4	6.64	11.0	12.6	22.6	19.0	20.3	20.1	19.6	14.8

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40 Combine Hills I	6.60	9.90	9.20	7.39	10.6	8.08	4.32	7.15	8.21	14.7	12.4	13.2	13.1	12.8	9.65
41 Condon Wind	8.02	12.0	11.2	8.98	12.9	9.81	5.25	8.68	9.98	17.8	15.0	16.1	15.9	15.5	11.7
42 Condon 1	3.96	5.94	5.52	4.44	6.36	4.85	2.59	4.29	4.93	8.82	7.42	7.93	7.84	7.67	5.79
43 Condon 2	4.06	6.08	5.65	4.54	6.51	4.96	2.65	4.39	5.05	9.03	7.60	8.13	8.04	7.85	5.93
44 Cowlitz Community Solar	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	0.09
45 Cowlitz Community Solar - Admin Building	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
46 Cowlitz Community Solar - Operations Building	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
47 Deep Creek Wind	0	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	1.20
49 Desert Meadow Windfarm	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
50 Domaine Drouhin Solar	0.02	0.02	0.02	0.01	0	0	0	0.01	0.01	0	0	0	0.01	0.01	0.01
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	1.00
52 Double B Digester	0	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	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	1.26
55 Durbin Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
56 Echo Wind Farm	10.4	15.6	14.5	11.6	16.7	12.7	6.80	11.2	12.9	23.1	19.5	20.8	20.6	20.1	15.2
57 Echo Wind 1	7.17	10.8	10.00	8.03	11.5	8.77	4.69	7.76	8.93	16.0	13.4	14.4	14.2	13.9	10.5
58 Echo Wind 2	3.22	4.83	4.49	3.61	5.17	3.94	2.11	3.49	4.01	7.17	6.03	6.45	6.38	6.23	4.71
59 Edaleen Cow Power	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
60 Elkhorn Valley Wind Project	16.2	24.3	22.6	18.1	26.0	19.8	10.6	17.5	20.2	36.1	30.3	32.5	32.1	31.4	23.7
61 Farm Power Lynden	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
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	0.75
63 Farm Power Rexville	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
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	1.00
65 Fighting Creek Landfill	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
66 Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
67 Finn Hill Solar	0.07	0.07	0.06	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.06	0.07	0.05
68 Flathead County Landfill	1.33	1.33	1.33	1.33	1.23	1.24	1.24	1.28	1.24	1.33	1.33	1.33	1.33	1.33	1.30
69 Foote Creek 1 Wind	6.66	10.00	9.29	7.46	10.7	8.15	4.36	7.21	8.29	14.8	12.5	13.4	13.2	12.9	9.75
70 Foote Creek 2 Wind	0.29	0.44	0.40	0.33	0.47	0.36	0.19	0.31	0.36	0.65	0.54	0.58	0.57	0.56	0.42
71 Foote Creek 4 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Forest Glen Oaks Dairy	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
73 Fossil Gulch Wind Project	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
74 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Golden Valley Wind	1.93	2.90	2.69	2.16	3.10	2.36	1.26	2.09	2.40	4.30	3.62	3.87	3.83	3.74	2.83
76 Goodnoe Hills Wind	15.1	22.7	21.1	16.9	24.3	18.5	9.90	16.4	18.8	33.7	28.3	30.3	30.0	29.3	22.1
77 Goshen North (Ridgeline Wind)	20.0	30.1	27.9	22.4	32.2	24.5	13.1	21.7	24.9	44.6	37.5	40.2	39.7	38.8	29.3
78 Grayland Wind	0.97	1.45	1.35	1.08	1.55	1.18	0.63	1.05	1.20	2.15	1.81	1.94	1.91	1.87	1.41
79 Grove Solar Center	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	0	1.00	1.00	1.00	1.54

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
80 H.W. Hill Landfill Gas (Roosevelt)	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
81 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 HW Hill Landfill Gas 2	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
83 Hammett Hill Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
84 Harvest Wind	15.9	23.9	22.2	17.8	25.6	19.5	10.4	17.2	19.8	35.4	29.8	31.9	31.5	30.8	23.3
85 Hay Canyon Wind	16.2	24.3	22.6	18.2	26.0	19.9	10.6	17.6	20.2	36.1	30.4	32.5	32.1	31.4	23.7
86 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
88 High Mesa Wind	6.42	9.63	8.95	7.19	10.3	7.86	4.20	6.95	7.99	14.3	12.0	12.9	12.7	12.4	9.39
89 Hopkins Ridge Wind	25.2	37.8	35.1	28.2	40.5	30.8	16.5	27.3	31.4	56.1	47.2	50.5	49.9	48.8	36.9
90 Hopkins Ridge 2	1.16	1.74	1.62	1.30	1.86	1.42	0.76	1.26	1.44	2.58	2.17	2.32	2.30	2.24	1.70
91 Hopkins Ridge I	24.0	36.1	33.5	26.9	38.6	29.4	15.7	26.0	29.9	53.5	45.0	48.2	47.6	46.6	35.2
92 Horse Butte Wind	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
93 Horseshoe Bend Wind Project	1.45	2.17	2.02	1.62	2.33	1.77	0.95	1.57	1.80	3.23	2.71	2.90	2.87	2.81	2.12
94 Hot Springs Wind	3.19	4.78	4.44	3.57	5.12	3.90	2.09	3.45	3.97	7.10	5.97	6.39	6.31	6.17	4.66
95 Hylite Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
96 Industrial Finishes Solar	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
97 JC-Biomethane	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
98 Jett Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
99 Josef Stauer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Juniper Canyon Wind	24.3	36.5	33.9	27.3	39.1	29.8	15.9	26.3	30.3	54.2	45.6	48.8	48.2	47.1	35.6
101 Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	34.7	23.1	46.3	43.4
102 King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
103 Kittitas Valley Wind	16.2	24.3	22.6	18.2	26.0	19.9	10.6	17.6	20.2	36.1	30.4	32.5	32.1	31.4	23.7
104 Klondike Wind 1	3.86	5.80	5.39	4.33	6.20	4.73	2.53	4.18	4.81	8.60	7.24	7.74	7.65	7.48	5.65
105 Klondike Wind 2	12.1	18.1	16.8	13.5	19.4	14.8	7.90	13.1	15.0	26.9	22.6	24.2	23.9	23.4	17.7
106 Klondike Wind 3	36.0	54.0	50.2	40.4	57.8	44.1	23.6	39.0	44.8	80.2	67.5	72.2	71.4	69.8	52.7
107 Klondike Wind 3a	12.3	18.5	17.2	13.8	19.8	15.1	8.06	13.3	15.3	27.4	23.1	24.7	24.4	23.8	18.0
108 Knudson Wind	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
109 Lakeview Solar	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
110 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Lakeview Solar 500	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
112 Leaning Juniper Wind	48.6	72.9	67.7	54.4	78.0	59.4	31.8	52.6	60.5	108	91.0	97.3	96.2	94.1	71.1
113 Leaning Juniper 1	16.2	24.3	22.5	18.1	26.0	19.8	10.6	17.5	20.1	36.0	30.3	32.4	32.0	31.3	23.7
114 Leaning Juniper 2a	14.5	21.8	20.3	16.3	23.3	17.8	9.51	15.7	18.1	32.4	27.2	29.1	28.8	28.1	21.3
115 Leaning Juniper 2b	17.9	26.8	24.9	20.0	28.7	21.9	11.7	19.3	22.2	39.8	33.5	35.8	35.4	34.6	26.1
116 Lewandowski Farms Wind	0.11	0.10	0.08	0.08	0.08	0.06	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
117 Lime Wind	0.48	0.72	0.67	0.54	0.78	0.59	0.32	0.52	0.60	1.08	0.91	0.97	0.96	0.94	0.71
118 Linden Ranch Wind	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
119 Livingston Wind	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
120 Lower Snake Wind	98.1	147	137	110	157	120	64.2	106	122	218	184	197	194	190	144

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
121 Lower Snake Wind 1	55.2	82.7	76.9	61.8	88.5	67.5	36.1	59.7	68.7	123	103	111	109	107	80.7
122 Tucannon River Wind	42.9	64.4	59.9	48.1	68.9	52.5	28.1	46.5	53.5	95.6	80.4	86.0	85.1	83.2	62.8
123 LRI/Graham Landfill - BioFuels	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28
124 Mainline Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
125 Marengo Wind	33.9	50.8	47.3	38.0	54.4	41.5	22.2	36.7	42.2	75.5	63.5	67.9	67.2	65.6	49.6
126 Marengo Wind 1	22.6	33.9	31.5	25.3	36.3	27.7	14.8	24.5	28.1	50.3	42.3	45.3	44.8	43.8	33.1
127 Marengo Wind 2	11.3	17.0	15.8	12.7	18.1	13.8	7.39	12.2	14.1	25.2	21.2	22.6	22.4	21.9	16.5
128 Meadow Creek Wind	19.3	28.9	26.9	21.6	30.9	23.6	12.6	20.9	24.0	42.9	36.1	38.6	38.2	37.3	28.2
129 Five Pine Wind	6.42	9.63	8.95	7.19	10.3	7.86	4.20	6.95	7.99	14.3	12.0	12.9	12.7	12.4	9.39
130 North Point Wind	12.8	19.3	17.9	14.4	20.6	15.7	8.40	13.9	16.0	28.6	24.1	25.7	25.4	24.9	18.8
131 Milner Dam Wind Farm	3.14	4.71	4.38	3.52	5.04	3.84	2.05	3.40	3.91	6.99	5.88	6.29	6.22	6.08	4.59
132 Mountain Home Solar	10.00	10.00	9.00	8.00	7.00	3.00	3.00	4.00	5.00	6.00	6.00	7.00	9.00	9.00	6.68
133 Moyer-Tolles Solar Station	0.52	0.52	0.52	0.39	0.39	0.26	0.13	0.13	0.26	0.26	0.26	0.39	0.39	0.52	0.35
134 Murphy Flat Solar Power	8.00	8.00	8.00	6.00	5.00	2.00	2.00	2.00	4.00	5.00	5.00	7.00	7.00	8.00	5.35
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	21.0
136 Nine Canyon Wind	15.4	23.2	21.5	17.3	24.8	18.9	10.1	16.7	19.2	34.4	28.9	30.9	30.6	29.9	22.6
137 Nine Canyon Wind 1	7.75	11.6	10.8	8.68	12.4	9.48	5.07	8.39	9.64	17.3	14.5	15.5	15.4	15.0	11.3
138 Nine Canyon Wind 2	2.50	3.75	3.49	2.80	4.01	3.06	1.64	2.71	3.11	5.57	4.68	5.01	4.95	4.84	3.66
139 Nine Canyon Wind 3	5.19	7.78	7.23	5.81	8.33	6.35	3.39	5.62	6.46	11.5	9.72	10.4	10.3	10.0	7.59
140 Open Range Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
141 Orchard Ranch Solar	7.96	7.96	6.25	4.46	2.58	1.71	2.25	4.04	4.96	6.50	6.50	7.21	8.33	8.29	5.38
142 Oregon Trail Wind	2.17	3.26	3.03	2.43	3.49	2.66	1.42	2.35	2.71	4.84	4.07	4.35	4.31	4.21	3.18
143 Outback Solar	1.61	1.61	1.33	0.93	0.55	0.39	0.40	0.83	1.06	1.34	1.34	1.51	1.78	1.81	1.13
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	2.73
145 Palouse Wind	16.8	25.2	23.4	18.8	27.0	20.6	11.0	18.2	20.9	37.4	31.5	33.7	33.3	32.5	24.6
146 PaTu Wind	1.45	2.17	2.02	1.62	2.33	1.77	0.95	1.57	1.80	3.23	2.71	2.90	2.87	2.81	2.12
147 Paynes Ferry Wind Park	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
148 Pebble Springs Wind	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
149 Pepsi-Cola Solar	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
150 Pepsi-Cola Eugene Solar 1	0	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	0
152 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 Pilgrim Stage Station Wind Park	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
154 Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
155 Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
156 Power County Wind	7.24	10.9	10.1	8.11	11.6	8.86	4.74	7.84	9.02	16.1	13.6	14.5	14.4	14.0	10.6
157 Prospector Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
158 Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
159 Qualco Dairy Digester	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
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	8.64
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	8.64

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
162 Raft River Geothermal 2	0	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	0
164 Railroad Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
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	0.86
166 Rattlesnake Road Wind Farm	16.6	24.8	23.1	18.6	26.6	20.3	10.8	17.9	20.6	36.9	31.0	33.2	32.8	32.1	24.2
167 River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
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	1.00
169 Rock River Wind	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
170 Rockland wind	12.7	19.1	17.8	14.3	20.5	15.6	8.34	13.8	15.9	28.4	23.9	25.5	25.3	24.7	18.6
171 Ryegrass Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
172 Salmon Falls Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
173 Sawtooth Wind	3.61	5.41	5.03	4.04	5.79	4.41	2.36	3.90	4.49	8.03	6.75	7.22	7.14	6.98	5.27
174 Shepherds Flat Wind	136	204	190	152	218	166	89.0	147	169	303	255	273	269	263	199
175 Shepherds Flat - Central (South Hurlburt)	46.7	70.0	65.1	52.3	74.9	57.1	30.5	50.5	58.1	104	87.4	93.5	92.5	90.4	68.3
176 Shepherds Flat - North (North Hurlburt)	42.7	64.0	59.5	47.8	68.5	52.2	27.9	46.2	53.1	95.0	79.9	85.5	84.5	82.6	62.4
177 Shepherds Flat - South (Horseshoe Bend)	46.7	70.0	65.1	52.3	74.9	57.1	30.5	50.5	58.1	104	87.4	93.5	92.5	90.4	68.3
178 Short Mountain	2.30	2.30	2.40	2.60	2.80	3.00	3.10	3.00	3.00	3.10	3.10	3.00	2.20	2.30	2.73
179 Simco Solar	7.98	7.98	6.28	4.50	2.61	1.73	2.27	4.09	4.97	6.10	6.10	7.24	8.34	8.30	5.37
180 Star Point Wind	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
181 Stateline Wind	48.3	72.5	67.4	54.1	77.6	59.1	31.6	52.3	60.2	108	90.5	96.9	95.8	93.6	70.7
182 Stateline-OR	19.5	29.2	27.2	21.8	31.3	23.8	12.8	21.1	24.3	43.4	36.5	39.0	38.6	37.7	28.5
183 Stateline-WA	28.9	43.3	40.2	32.3	46.3	35.3	18.9	31.2	35.9	64.2	54.0	57.8	57.2	55.9	42.2
184 Steel Bridge Solar	0.50	0.50	0.47	0.29	0.15	0.12	0.16	0.22	0.34	0.40	0.40	0.49	0.54	0.56	0.35
185 Stoltze Biomass	2.60	2.60	2.60	2.60	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.60	2.60	2.60	2.50
186 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0.68	1.03	0.95	0.77	1.10	0.84	0.45	0.74	0.85	1.52	1.28	1.37	1.36	1.33	1.00
188 Thousand Springs Wind Park	1.93	2.90	2.69	2.16	3.10	2.36	1.26	2.09	2.40	4.30	3.62	3.87	3.83	3.74	2.83
189 Threemile Canyon Wind	1.59	2.39	2.22	1.79	2.56	1.95	1.04	1.73	1.98	3.55	2.99	3.19	3.16	3.09	2.33
190 Thundereqq Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
191 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Gulch Wind	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
193 Tuana Springs Wind	2.70	4.06	3.77	3.03	4.34	3.31	1.77	2.93	3.37	6.02	5.07	5.42	5.36	5.24	3.96
194 Two Ponds Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
195 Vale Air Solar Center	1.00	1.00	1.00	1.00	0	0	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.75
196 Van Dyk's Holsteins	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
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	0.40
198 Vansycle Wind	20.0	29.9	27.8	22.4	32.0	24.4	13.1	21.6	24.8	44.4	37.4	40.0	39.5	38.7	29.2
199 Vansycle 1	4.04	6.06	5.63	4.53	6.49	4.94	2.64	4.37	5.03	8.99	7.57	8.10	8.00	7.82	5.91
200 Vansycle 2	15.9	23.9	22.2	17.8	25.6	19.5	10.4	17.2	19.8	35.4	29.8	31.9	31.5	30.8	23.3

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
201 Vantage Wind	14.5	21.7	20.2	16.2	23.3	17.7	9.48	15.7	18.0	32.2	27.1	29.0	28.7	28.1	21.2
202 Wheat Field Wind	15.5	23.3	21.7	17.4	25.0	19.0	10.2	16.8	19.4	34.6	29.1	31.2	30.8	30.1	22.7
203 White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
204 White Creek Wind	32.2	48.3	44.9	36.1	51.7	39.4	21.1	34.9	40.1	71.7	60.3	64.5	63.8	62.3	47.1
205 Wild Horse Wind	44.0	65.9	61.3	49.2	70.5	53.8	28.8	47.6	54.7	97.8	82.3	88.0	87.0	85.1	64.3
206 Wild Horse Solar 1	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
207 Wild Horse Wind 1	36.8	55.2	51.3	41.2	59.1	45.0	24.1	39.8	45.8	81.9	68.9	73.7	72.9	71.3	53.8
208 Wild Horse Wind 2	7.08	10.6	9.87	7.93	11.4	8.67	4.63	7.67	8.82	15.8	13.3	14.2	14.0	13.7	10.4
209 Willow Creek Wind	11.6	17.4	16.2	13.0	18.6	14.2	7.58	12.5	14.4	25.8	21.7	23.2	23.0	22.4	17.0
210 Willow Spring Wind Farm	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
211 Windy Point Wind	64.2	96.3	89.5	71.9	103	78.5	42.0	69.5	79.9	143	120	129	127	124	93.9
212 Windy Point 1	22.0	33.0	30.6	24.6	35.3	26.9	14.4	23.8	27.4	48.9	41.2	44.1	43.6	42.6	32.2
213 Windy Point 2	32.6	48.9	45.4	36.5	52.3	39.9	21.3	35.3	40.6	72.5	61.0	65.3	64.5	63.1	47.7
214 Windy Point 2 - Phase 2	9.63	14.4	13.4	10.8	15.5	11.8	6.30	10.4	12.0	21.4	18.0	19.3	19.1	18.6	14.1
215 Wolverine Creek Wind	10.4	15.6	14.5	11.6	16.7	12.7	6.79	11.2	12.9	23.1	19.4	20.8	20.6	20.1	15.2
216 Yahoo Creek Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
217 Yamhill Solar	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
Total Renewable Resources															
218 Cooperative	18.5	22.9	22.0	19.5	23.4	19.6	15.0	18.7	20.3	28.7	25.7	27.1	26.9	26.5	22.2
219 Federal Entities	30.6	45.9	42.6	25.3	36.2	27.6	14.8	24.4	28.1	50.2	42.3	45.2	44.7	43.7	34.8
220 Investor Owned Utilities	940	1310	1222	1005	1348	1014	593	920	1046	1758	1506	1598	1581	1577	1222
221 Marketer	98.4	148	137	119	171	165	88.1	146	168	300	252	270	267	261	182
222 Municipality	219	321	300	244	343	265	149	236	269	470	398	424	420	411	314
223 Other	7.76	11.4	10.6	8.50	12.0	9.12	4.87	7.97	9.28	16.4	13.8	14.9	14.7	14.5	10.9
224 Public Utility District	118	165	155	130	176	140	86.1	127	142	235	201	214	211	207	162
225 Total	1433	2025	1890	1551	2109	1639	950	1479	1682	2858	2439	2593	2564	2539	1949

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Renewable Resources															
1 3 Bar G Wind	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
2 American Falls Solar	16.0	16.0	14.0	12.0	8.00	4.00	2.00	4.00	6.00	10.00	10.00	12.0	14.0	16.0	9.85
3 American Falls Solar 1	8.00	8.00	7.00	6.00	4.00	2.00	1.00	2.00	3.00	5.00	5.00	6.00	7.00	8.00	4.92
4 American Falls Solar 2	8.00	8.00	7.00	6.00	4.00	2.00	1.00	2.00	3.00	5.00	5.00	6.00	7.00	8.00	4.92
5 Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
6 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0
10 Baldock Solar	0.31	0.31	0.25	0.18	0.09	0.06	0.10	0.13	0.21	0.25	0.25	0.32	0.32	0.35	0.21
11 Bannock County Landfill	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
12 Bellevue Solar (Amity, OR)	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.21
13 Bennett Creek Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
14 Benson Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
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	0.69
16 Big Horn Wind	40.2	60.2	56.0	45.0	64.5	49.1	26.3	43.5	50.0	89.4	75.2	80.5	79.6	77.8	58.7
17 Big Horn 1	32.1	48.2	44.8	36.0	51.5	39.3	21.0	34.8	40.0	71.5	60.1	64.3	63.6	62.2	46.9
18 Big Horn 2	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
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	1.06
20 Biglow Canyon Wind	72.4	109	101	81.1	116	88.6	47.4	78.4	90.1	161	136	145	143	140	106
21 Biglow Canyon 1	20.2	30.3	28.1	22.6	32.4	24.7	13.2	21.9	25.1	44.9	37.8	40.4	40.0	39.1	29.5
22 Biglow Canyon 2	24.1	36.1	33.5	27.0	38.6	29.4	15.7	26.1	30.0	53.6	45.1	48.2	47.7	46.6	35.2
23 Biglow Canyon 3	28.1	42.2	39.2	31.5	45.2	34.4	18.4	30.5	35.0	62.6	52.7	56.4	55.7	54.5	41.1
24 Black Cap Solar Project	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
25 Blue Basin Power	0.52	0.52	0.52	0.39	0.39	0.26	0.13	0.13	0.26	0.26	0.26	0.39	0.39	0.52	0.35
26 Boise City Solar	16.2	16.2	13.7	11.6	7.07	6.09	6.19	9.07	11.1	12.9	12.9	15.1	16.0	17.4	11.9
27 Burley Butte Wind	3.14	4.71	4.38	3.52	5.04	3.84	2.05	3.40	3.91	6.99	5.88	6.29	6.22	6.08	4.59
28 Camp Reed Wind	3.62	5.43	5.05	4.06	5.81	4.43	2.37	3.92	4.51	8.06	6.78	7.26	7.18	7.01	5.29
29 Cassia Farms Wind	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
30 Cassia Gulch Wind	3.04	4.56	4.24	3.41	4.88	3.72	1.99	3.29	3.79	6.77	5.70	6.10	6.03	5.89	4.45
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	1.16
32 Clark Community Solar	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
33 Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36
34 Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38
35 Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98
36 Cold Springs Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.41
37 Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
38 Combine Hills Wind	16.7	25.1	23.3	18.8	26.9	20.5	11.0	18.1	20.8	37.3	31.4	33.5	33.2	32.4	24.5
39 Combine Hills 2	10.1	15.2	14.1	11.4	16.3	12.4	6.64	11.0	12.6	22.6	19.0	20.3	20.1	19.6	14.8

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
40 Combine Hills I	6.60	9.90	9.20	7.39	10.6	8.08	4.32	7.15	8.21	14.7	12.4	13.2	13.1	12.8	9.65
41 Condon Wind	8.02	12.0	11.2	8.98	12.9	9.81	5.25	8.68	9.98	17.8	15.0	16.1	15.9	15.5	11.7
42 Condon 1	3.96	5.94	5.52	4.44	6.36	4.85	2.59	4.29	4.93	8.82	7.42	7.93	7.84	7.67	5.79
43 Condon 2	4.06	6.08	5.65	4.54	6.51	4.96	2.65	4.39	5.05	9.03	7.60	8.13	8.04	7.85	5.93
44 Cowlitz Community Solar	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	0.09
45 Cowlitz Community Solar - Admin Building	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
46 Cowlitz Community Solar - Operations Building	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
47 Deep Creek Wind	0	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	1.20
49 Desert Meadow Windfarm	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.41
50 Domaine Drouhin Solar	0.02	0.02	0.02	0.01	0	0	0	0.01	0.01	0	0	0	0.01	0.01	0.01
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	1.00
52 Double B Digester	0	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	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	1.26
55 Durbin Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
56 Echo Wind Farm	10.4	15.6	14.5	11.6	16.7	12.7	6.80	11.2	12.9	23.1	19.5	20.8	20.6	20.1	15.2
57 Echo Wind 1	7.17	10.8	10.00	8.03	11.5	8.77	4.69	7.76	8.93	16.0	13.4	14.4	14.2	13.9	10.5
58 Echo Wind 2	3.22	4.83	4.49	3.61	5.17	3.94	2.11	3.49	4.01	7.17	6.03	6.45	6.38	6.23	4.71
59 Edaleen Cow Power	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
60 Elkhorn Valley Wind Project	16.2	24.3	22.6	18.1	26.0	19.8	10.6	17.5	20.2	36.1	30.3	32.5	32.1	31.4	23.7
61 Farm Power Lynden	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
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	0.75
63 Farm Power Rexville	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
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	1.00
65 Fighting Creek Landfill	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
66 Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
67 Finn Hill Solar	0.07	0.07	0.06	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.06	0.07	0.05
68 Flathead County Landfill	1.33	1.33	1.33	1.33	1.23	1.24	1.24	1.28	1.24	1.33	1.33	1.33	1.33	1.33	1.29
69 Foote Creek 1 Wind	6.66	10.00	9.29	7.46	10.7	8.15	4.36	7.21	8.29	14.8	12.5	13.4	13.2	12.9	9.74
70 Foote Creek 2 Wind	0.29	0.44	0.40	0.33	0.47	0.36	0.19	0.31	0.36	0.65	0.54	0.58	0.57	0.56	0.42
71 Foote Creek 4 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Forest Glen Oaks Dairy	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
73 Fossil Gulch Wind Project	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
74 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Golden Valley Wind	1.93	2.90	2.69	2.16	3.10	2.36	1.26	2.09	2.40	4.30	3.62	3.87	3.83	3.74	2.82
76 Goodnoe Hills Wind	15.1	22.7	21.1	16.9	24.3	18.5	9.90	16.4	18.8	33.7	28.3	30.3	30.0	29.3	22.1
77 Goshen North (Ridgeline Wind)	20.0	30.1	27.9	22.4	32.2	24.5	13.1	21.7	24.9	44.6	37.5	40.2	39.7	38.8	29.3
78 Grayland Wind	0.97	1.45	1.35	1.08	1.55	1.18	0.63	1.05	1.20	2.15	1.81	1.94	1.91	1.87	1.41
79 Grove Solar Center	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	0	1.00	1.00	1.00	1.54

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
80 H.W. Hill Landfill Gas (Roosevelt)	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
81 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 HW Hill Landfill Gas 2	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
83 Hammett Hill Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.41
84 Harvest Wind	15.9	23.9	22.2	17.8	25.6	19.5	10.4	17.2	19.8	35.4	29.8	31.9	31.5	30.8	23.3
85 Hay Canyon Wind	16.2	24.3	22.6	18.2	26.0	19.9	10.6	17.6	20.2	36.1	30.4	32.5	32.1	31.4	23.7
86 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
88 High Mesa Wind	6.42	9.63	8.95	7.19	10.3	7.86	4.20	6.95	7.99	14.3	12.0	12.9	12.7	12.4	9.39
89 Hopkins Ridge Wind	25.2	37.8	35.1	28.2	40.5	30.8	16.5	27.3	31.4	56.1	47.2	50.5	49.9	48.8	36.8
90 Hopkins Ridge 2	1.16	1.74	1.62	1.30	1.86	1.42	0.76	1.26	1.44	2.58	2.17	2.32	2.30	2.24	1.69
91 Hopkins Ridge I	24.0	36.1	33.5	26.9	38.6	29.4	15.7	26.0	29.9	53.5	45.0	48.2	47.6	46.6	35.1
92 Horse Butte Wind	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
93 Horseshoe Bend Wind Project	1.45	2.17	2.02	1.62	2.33	1.77	0.95	1.57	1.80	3.23	2.71	2.90	2.87	2.81	2.12
94 Hot Springs Wind	3.19	4.78	4.44	3.57	5.12	3.90	2.09	3.45	3.97	7.10	5.97	6.39	6.31	6.17	4.66
95 Hyline Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
96 Industrial Finishes Solar	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
97 JC-Biomethane	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
98 Jett Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
99 Josef Stauer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Juniper Canyon Wind	24.3	36.5	33.9	27.3	39.1	29.8	15.9	26.3	30.3	54.2	45.6	48.8	48.2	47.1	35.6
101 Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	27.8	46.3	44.7
102 King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
103 Kittitas Valley Wind	16.2	24.3	22.6	18.2	26.0	19.9	10.6	17.6	20.2	36.1	30.4	32.5	32.1	31.4	23.7
104 Klondike Wind 1	3.86	5.80	5.39	4.33	6.20	4.73	2.53	4.18	4.81	8.60	7.24	7.74	7.65	7.48	5.65
105 Klondike Wind 2	12.1	18.1	16.8	13.5	19.4	14.8	7.90	13.1	15.0	26.9	22.6	24.2	23.9	23.4	17.6
106 Klondike Wind 3	36.0	54.0	50.2	40.4	57.8	44.1	23.6	39.0	44.8	80.2	67.5	72.2	71.4	69.8	52.7
107 Klondike Wind 3a	12.3	18.5	17.2	13.8	19.8	15.1	8.06	13.3	15.3	27.4	23.1	24.7	24.4	23.8	18.0
108 Knudson Wind	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
109 Lakeview Solar	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
110 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Lakeview Solar 500	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
112 Leaning Juniper Wind	48.6	72.9	67.7	54.4	78.0	59.4	31.8	52.6	60.5	108	91.0	97.3	96.2	94.1	71.0
113 Leaning Juniper 1	16.2	24.3	22.5	18.1	26.0	19.8	10.6	17.5	20.1	36.0	30.3	32.4	32.0	31.3	23.6
114 Leaning Juniper 2a	14.5	21.8	20.3	16.3	23.3	17.8	9.51	15.7	18.1	32.4	27.2	29.1	28.8	28.1	21.2
115 Leaning Juniper 2b	17.9	26.8	24.9	20.0	28.7	21.9	11.7	19.3	22.2	39.8	33.5	35.8	35.4	34.6	26.1
116 Lewandowski Farms Wind	0.11	0.10	0.08	0.08	0.08	0.07	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
117 Lime Wind	0.48	0.72	0.67	0.54	0.78	0.59	0.32	0.52	0.60	1.08	0.91	0.97	0.96	0.94	0.71
118 Linden Ranch Wind	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
119 Livingston Wind	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
120 Lower Snake Wind	98.1	147	137	110	157	120	64.2	106	122	218	184	197	194	190	143

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121 Lower Snake Wind 1	55.2	82.7	76.9	61.8	88.5	67.5	36.1	59.7	68.7	123	103	111	109	107	80.6
122 Tucannon River Wind	42.9	64.4	59.9	48.1	68.9	52.5	28.1	46.5	53.5	95.6	80.4	86.0	85.1	83.2	62.8
123 LRI/Graham Landfill - BioFuels	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28
124 Mainline Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.41
125 Marengo Wind	33.9	50.8	47.3	38.0	54.4	41.5	22.2	36.7	42.2	75.5	63.5	67.9	67.2	65.6	49.5
126 Marengo Wind 1	22.6	33.9	31.5	25.3	36.3	27.7	14.8	24.5	28.1	50.3	42.3	45.3	44.8	43.8	33.0
127 Marengo Wind 2	11.3	17.0	15.8	12.7	18.1	13.8	7.39	12.2	14.1	25.2	21.2	22.6	22.4	21.9	16.5
128 Meadow Creek Wind	19.3	28.9	26.9	21.6	30.9	23.6	12.6	20.9	24.0	42.9	36.1	38.6	38.2	37.3	28.2
129 Five Pine Wind	6.42	9.63	8.95	7.19	10.3	7.86	4.20	6.95	7.99	14.3	12.0	12.9	12.7	12.4	9.39
130 North Point Wind	12.8	19.3	17.9	14.4	20.6	15.7	8.40	13.9	16.0	28.6	24.1	25.7	25.4	24.9	18.8
131 Milner Dam Wind Farm	3.14	4.71	4.38	3.52	5.04	3.84	2.05	3.40	3.91	6.99	5.88	6.29	6.22	6.08	4.59
132 Mountain Home Solar	10.00	10.00	9.00	8.00	7.00	3.00	3.00	4.00	5.00	6.00	6.00	7.00	9.00	9.00	6.67
133 Moyer-Tolles Solar Station	0.52	0.52	0.52	0.39	0.39	0.26	0.13	0.13	0.26	0.26	0.26	0.39	0.39	0.52	0.35
134 Murphy Flat Solar Power	8.00	8.00	8.00	6.00	5.00	2.00	2.00	2.00	4.00	5.00	5.00	7.00	7.00	8.00	5.34
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	21.0
136 Nine Canyon Wind	15.4	23.2	21.5	17.3	24.8	18.9	10.1	16.7	19.2	34.4	28.9	30.9	30.6	29.9	22.6
137 Nine Canyon Wind 1	7.75	11.6	10.8	8.68	12.4	9.48	5.07	8.39	9.64	17.3	14.5	15.5	15.4	15.0	11.3
138 Nine Canyon Wind 2	2.50	3.75	3.49	2.80	4.01	3.06	1.64	2.71	3.11	5.57	4.68	5.01	4.95	4.84	3.66
139 Nine Canyon Wind 3	5.19	7.78	7.23	5.81	8.33	6.35	3.39	5.62	6.46	11.5	9.72	10.4	10.3	10.0	7.58
140 Open Range Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
141 Orchard Ranch Solar	7.96	7.96	6.25	4.46	2.58	1.71	2.25	4.04	4.96	6.50	6.50	7.21	8.33	8.29	5.38
142 Oregon Trail Wind	2.17	3.26	3.03	2.43	3.49	2.66	1.42	2.35	2.71	4.84	4.07	4.35	4.31	4.21	3.18
143 Outback Solar	1.61	1.61	1.33	0.93	0.55	0.39	0.40	0.83	1.06	1.34	1.34	1.51	1.78	1.81	1.13
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	2.73
145 Palouse Wind	16.8	25.2	23.4	18.8	27.0	20.6	11.0	18.2	20.9	37.4	31.5	33.7	33.3	32.5	24.6
146 PaTu Wind	1.45	2.17	2.02	1.62	2.33	1.77	0.95	1.57	1.80	3.23	2.71	2.90	2.87	2.81	2.12
147 Paynes Ferry Wind Park	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
148 Pebble Springs Wind	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
149 Pepsi-Cola Solar	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
150 Pepsi-Cola Eugene Solar 1	0	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	0
152 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 Pilgrim Stage Station Wind Park	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
154 Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
155 Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
156 Power County Wind	7.24	10.9	10.1	8.11	11.6	8.86	4.74	7.84	9.02	16.1	13.6	14.5	14.4	14.0	10.6
157 Prospector Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
158 Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
159 Qualco Dairy Digester	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
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	8.64
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	8.64

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162 Raft River Geothermal 2	0	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	0
164 Railroad Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
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	0.86
166 Rattlesnake Road Wind Farm	16.6	24.8	23.1	18.6	26.6	20.3	10.8	17.9	20.6	36.9	31.0	33.2	32.8	32.1	24.2
167 River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
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	1.00
169 Rock River Wind	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
170 Rockland wind	12.7	19.1	17.8	14.3	20.5	15.6	8.34	13.8	15.9	28.4	23.9	25.5	25.3	24.7	18.6
171 Ryegrass Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.41
172 Salmon Falls Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
173 Sawtooth Wind	3.61	5.41	5.03	4.04	5.79	4.41	2.36	3.90	4.49	8.03	6.75	7.22	7.14	6.98	5.27
174 Shepherds Flat Wind	136	204	190	152	218	166	89.0	147	169	303	255	273	269	263	199
175 Shepherds Flat - Central (South Hurlburt)	46.7	70.0	65.1	52.3	74.9	57.1	30.5	50.5	58.1	104	87.4	93.5	92.5	90.4	68.2
176 Shepherds Flat - North (North Hurlburt)	42.7	64.0	59.5	47.8	68.5	52.2	27.9	46.2	53.1	95.0	79.9	85.5	84.5	82.6	62.3
177 Shepherds Flat - South (Horseshoe Bend)	46.7	70.0	65.1	52.3	74.9	57.1	30.5	50.5	58.1	104	87.4	93.5	92.5	90.4	68.2
178 Short Mountain	2.30	2.30	2.40	2.60	2.80	3.00	3.10	3.00	3.00	3.10	3.10	3.00	2.20	2.30	2.73
179 Simco Solar	7.98	7.98	6.28	4.50	2.61	1.73	2.27	4.09	4.97	6.10	6.10	7.24	8.34	8.30	5.37
180 Star Point Wind	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
181 Stateline Wind	48.3	72.5	67.4	54.1	77.6	59.1	31.6	52.3	60.2	108	90.5	96.9	95.8	93.6	70.7
182 Stateline-OR	19.5	29.2	27.2	21.8	31.3	23.8	12.8	21.1	24.3	43.4	36.5	39.0	38.6	37.7	28.5
183 Stateline-WA	28.9	43.3	40.2	32.3	46.3	35.3	18.9	31.2	35.9	64.2	54.0	57.8	57.2	55.9	42.2
184 Steel Bridge Solar	0.50	0.50	0.47	0.29	0.15	0.12	0.16	0.22	0.34	0.40	0.40	0.49	0.54	0.56	0.35
185 Stoltze Biomass	2.60	2.60	2.60	2.60	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.60	2.60	2.60	2.50
186 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0.68	1.03	0.95	0.77	1.10	0.84	0.45	0.74	0.85	1.52	1.28	1.37	1.36	1.33	1.00
188 Thousand Springs Wind Park	1.93	2.90	2.69	2.16	3.10	2.36	1.26	2.09	2.40	4.30	3.62	3.87	3.83	3.74	2.82
189 Threemile Canyon Wind	1.59	2.39	2.22	1.79	2.56	1.95	1.04	1.73	1.98	3.55	2.99	3.19	3.16	3.09	2.33
190 Thundereqq Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
191 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Gulch Wind	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
193 Tuana Springs Wind	2.70	4.06	3.77	3.03	4.34	3.31	1.77	2.93	3.37	6.02	5.07	5.42	5.36	5.24	3.95
194 Two Ponds Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.41
195 Vale Air Solar Center	1.00	1.00	1.00	1.00	0	0	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.75
196 Van Dyk's Holsteins	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
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	0.40
198 Vansycle Wind	20.0	29.9	27.8	22.4	32.0	24.4	13.1	21.6	24.8	44.4	37.4	40.0	39.5	38.7	29.2
199 Vansycle 1	4.04	6.06	5.63	4.53	6.49	4.94	2.64	4.37	5.03	8.99	7.57	8.10	8.00	7.82	5.91
200 Vansycle 2	15.9	23.9	22.2	17.8	25.6	19.5	10.4	17.2	19.8	35.4	29.8	31.9	31.5	30.8	23.3

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201 Vantage Wind	14.5	21.7	20.2	16.2	23.3	17.7	9.48	15.7	18.0	32.2	27.1	29.0	28.7	28.1	21.2
202 Wheat Field Wind	15.5	23.3	21.7	17.4	25.0	19.0	10.2	16.8	19.4	34.6	29.1	31.2	30.8	30.1	22.7
203 White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
204 White Creek Wind	32.2	48.3	44.9	36.1	51.7	39.4	21.1	34.9	40.1	71.7	60.3	64.5	63.8	62.3	47.1
205 Wild Horse Wind	44.0	65.9	61.3	49.2	70.5	53.8	28.8	47.6	54.7	97.8	82.3	88.0	87.0	85.1	64.2
206 Wild Horse Solar 1	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
207 Wild Horse Wind 1	36.8	55.2	51.3	41.2	59.1	45.0	24.1	39.8	45.8	81.9	68.9	73.7	72.9	71.3	53.8
208 Wild Horse Wind 2	7.08	10.6	9.87	7.93	11.4	8.67	4.63	7.67	8.82	15.8	13.3	14.2	14.0	13.7	10.4
209 Willow Creek Wind	11.6	17.4	16.2	13.0	18.6	14.2	7.58	12.5	14.4	25.8	21.7	23.2	23.0	22.4	16.9
210 Willow Spring Wind Farm	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
211 Windy Point Wind	64.2	96.3	89.5	71.9	103	78.5	42.0	69.5	79.9	143	120	129	127	124	93.8
212 Windy Point 1	22.0	33.0	30.6	24.6	35.3	26.9	14.4	23.8	27.4	48.9	41.2	44.1	43.6	42.6	32.1
213 Windy Point 2	32.6	48.9	45.4	36.5	52.3	39.9	21.3	35.3	40.6	72.5	61.0	65.3	64.5	63.1	47.6
214 Windy Point 2 - Phase 2	9.63	14.4	13.4	10.8	15.5	11.8	6.30	10.4	12.0	21.4	18.0	19.3	19.1	18.6	14.1
215 Wolverine Creek Wind	10.4	15.6	14.5	11.6	16.7	12.7	6.79	11.2	12.9	23.1	19.4	20.8	20.6	20.1	15.2
216 Yahoo Creek Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
217 Yamhill Solar	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
Total Renewable Resources															
218 Cooperative	18.5	22.9	22.0	19.5	23.4	19.6	15.0	18.7	20.3	28.7	25.7	27.1	26.9	26.5	22.2
219 Federal Entities	22.6	33.8	31.5	25.3	36.2	27.6	14.8	24.4	28.1	50.2	42.3	45.2	44.7	43.7	33.0
220 Investor Owned Utilities	912	1268	1183	974	1303	1014	593	920	1046	1758	1506	1610	1586	1577	1210
221 Marketer	135	202	204	164	235	179	95.7	158	182	325	274	293	290	283	212
222 Municipality	219	321	284	231	324	251	141	224	255	444	376	401	397	388	298
223 Other	7.76	11.4	10.6	8.50	12.0	9.12	4.87	7.97	9.28	16.4	13.8	14.9	14.7	14.5	10.9
224 Public Utility District	118	165	155	130	176	140	86.1	127	142	235	201	214	211	207	162
225 Total	1433	2025	1890	1551	2109	1639	950	1479	1682	2858	2439	2605	2569	2539	1949

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Renewable Resources															
1 3 Bar G Wind	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
2 American Falls Solar	16.0	16.0	14.0	12.0	8.00	4.00	2.00	4.00	6.00	10.00	10.00	12.0	14.0	16.0	9.86
3 American Falls Solar 1	8.00	8.00	7.00	6.00	4.00	2.00	1.00	2.00	3.00	5.00	5.00	6.00	7.00	8.00	4.93
4 American Falls Solar 2	8.00	8.00	7.00	6.00	4.00	2.00	1.00	2.00	3.00	5.00	5.00	6.00	7.00	8.00	4.93
5 Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
6 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0
10 Baldock Solar	0.31	0.31	0.25	0.18	0.09	0.06	0.10	0.13	0.21	0.25	0.25	0.32	0.32	0.35	0.21
11 Bannock County Landfill	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
12 Bellevue Solar (Amity, OR)	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.21
13 Bennett Creek Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
14 Benson Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
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	0.69
16 Big Horn Wind	40.2	60.2	56.0	45.0	64.5	49.1	26.3	43.5	50.0	89.4	75.2	80.5	79.6	77.8	58.7
17 Big Horn 1	32.1	48.2	44.8	36.0	51.5	39.3	21.0	34.8	40.0	71.5	60.1	64.3	63.6	62.2	47.0
18 Big Horn 2	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
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	1.06
20 Biglow Canyon Wind	72.4	109	101	81.1	116	88.6	47.4	78.4	90.1	161	136	145	143	140	106
21 Biglow Canyon 1	20.2	30.3	28.1	22.6	32.4	24.7	13.2	21.9	25.1	44.9	37.8	40.4	40.0	39.1	29.5
22 Biglow Canyon 2	24.1	36.1	33.5	27.0	38.6	29.4	15.7	26.1	30.0	53.6	45.1	48.2	47.7	46.6	35.2
23 Biglow Canyon 3	28.1	42.2	39.2	31.5	45.2	34.4	18.4	30.5	35.0	62.6	52.7	56.4	55.7	54.5	41.2
24 Black Cap Solar Project	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
25 Blue Basin Power	0.52	0.52	0.52	0.39	0.39	0.26	0.13	0.13	0.26	0.26	0.26	0.39	0.39	0.52	0.35
26 Boise City Solar	16.2	16.2	13.7	11.6	7.07	6.09	6.19	9.07	11.1	12.9	12.9	15.1	16.0	17.4	11.9
27 Burley Butte Wind	3.14	4.71	4.38	3.52	5.04	3.84	2.05	3.40	3.91	6.99	5.88	6.29	6.22	6.08	4.59
28 Camp Reed Wind	3.62	5.43	5.05	4.06	5.81	4.43	2.37	3.92	4.51	8.06	6.78	7.26	7.18	7.01	5.30
29 Cassia Farms Wind	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
30 Cassia Gulch Wind	3.04	4.56	4.24	3.41	4.88	3.72	1.99	3.29	3.79	6.77	5.70	6.10	6.03	5.89	4.45
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	1.16
32 Clark Community Solar	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
33 Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36
34 Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38
35 Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98
36 Cold Springs Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
37 Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
38 Combine Hills Wind	16.7	25.1	23.3	18.8	26.9	20.5	11.0	18.1	20.8	37.3	31.4	33.5	33.2	32.4	24.5
39 Combine Hills 2	10.1	15.2	14.1	11.4	16.3	12.4	6.64	11.0	12.6	22.6	19.0	20.3	20.1	19.6	14.8

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
40 Combine Hills I	6.60	9.90	9.20	7.39	10.6	8.08	4.32	7.15	8.21	14.7	12.4	13.2	13.1	12.8	9.65
41 Condon Wind	8.02	12.0	11.2	8.98	12.9	9.81	5.25	8.68	9.98	17.8	15.0	16.1	15.9	15.5	11.7
42 Condon 1	3.96	5.94	5.52	4.44	6.36	4.85	2.59	4.29	4.93	8.82	7.42	7.93	7.84	7.67	5.79
43 Condon 2	4.06	6.08	5.65	4.54	6.51	4.96	2.65	4.39	5.05	9.03	7.60	8.13	8.04	7.85	5.93
44 Cowlitz Community Solar	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	0.09
45 Cowlitz Community Solar - Admin Building	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
46 Cowlitz Community Solar - Operations Building	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
47 Deep Creek Wind	0	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	1.20
49 Desert Meadow Windfarm	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
50 Domaine Drouhin Solar	0.02	0.02	0.02	0.01	0	0	0	0.01	0.01	0	0	0	0.01	0.01	0.01
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	1.00
52 Double B Digester	0	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	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	1.26
55 Durbin Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
56 Echo Wind Farm	10.4	15.6	14.5	11.6	16.7	12.7	6.80	11.2	12.9	23.1	19.5	20.8	20.6	20.1	15.2
57 Echo Wind 1	7.17	10.8	10.00	8.03	11.5	8.77	4.69	7.76	8.93	16.0	13.4	14.4	14.2	13.9	10.5
58 Echo Wind 2	3.22	4.83	4.49	3.61	5.17	3.94	2.11	3.49	4.01	7.17	6.03	6.45	6.38	6.23	4.71
59 Edaleen Cow Power	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
60 Elkhorn Valley Wind Project	16.2	24.3	22.6	18.1	26.0	19.8	10.6	17.5	20.2	36.1	30.3	32.5	32.1	31.4	23.7
61 Farm Power Lynden	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
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	0.75
63 Farm Power Rexville	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
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	1.00
65 Fighting Creek Landfill	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
66 Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
67 Finn Hill Solar	0.07	0.07	0.06	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.06	0.07	0.05
68 Flathead County Landfill	1.33	1.33	1.33	1.33	1.23	1.24	1.24	1.28	1.24	1.33	1.33	1.33	1.33	1.33	1.30
69 Foote Creek 1 Wind	6.66	10.00	9.29	7.46	10.7	8.15	4.36	7.21	8.29	14.8	12.5	13.4	13.2	12.9	9.75
70 Foote Creek 2 Wind	0.29	0.44	0.40	0.33	0.47	0.36	0.19	0.31	0.36	0.65	0.54	0.58	0.57	0.56	0.42
71 Foote Creek 4 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Forest Glen Oaks Dairy	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
73 Fossil Gulch Wind Project	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
74 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Golden Valley Wind	1.93	2.90	2.69	2.16	3.10	2.36	1.26	2.09	2.40	4.30	3.62	3.87	3.83	3.74	2.83
76 Goodnoe Hills Wind	15.1	22.7	21.1	16.9	24.3	18.5	9.90	16.4	18.8	33.7	28.3	30.3	30.0	29.3	22.1
77 Goshen North (Ridgeline Wind)	20.0	30.1	27.9	22.4	32.2	24.5	13.1	21.7	24.9	44.6	37.5	40.2	39.7	38.8	29.3
78 Grayland Wind	0.97	1.45	1.35	1.08	1.55	1.18	0.63	1.05	1.20	2.15	1.81	1.94	1.91	1.87	1.41
79 Grove Solar Center	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	0	1.00	1.00	1.00	1.54

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
80 H.W. Hill Landfill Gas (Roosevelt	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
81 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 HW Hill Landfill Gas 2	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
83 Hammett Hill Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
84 Harvest Wind	15.9	23.9	22.2	17.8	25.6	19.5	10.4	17.2	19.8	35.4	29.8	31.9	31.5	30.8	23.3
85 Hay Canyon Wind	16.2	24.3	22.6	18.2	26.0	19.9	10.6	17.6	20.2	36.1	30.4	32.5	32.1	31.4	23.7
86 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
88 High Mesa Wind	6.42	9.63	8.95	7.19	10.3	7.86	4.20	6.95	7.99	14.3	12.0	12.9	12.7	12.4	9.39
89 Hopkins Ridge Wind	25.2	37.8	35.1	28.2	40.5	30.8	16.5	27.3	31.4	56.1	47.2	50.5	49.9	48.8	36.9
90 Hopkins Ridge 2	1.16	1.74	1.62	1.30	1.86	1.42	0.76	1.26	1.44	2.58	2.17	2.32	2.30	2.24	1.70
91 Hopkins Ridge I	24.0	36.1	33.5	26.9	38.6	29.4	15.7	26.0	29.9	53.5	45.0	48.2	47.6	46.6	35.2
92 Horse Butte Wind	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
93 Horseshoe Bend Wind Project	1.45	2.17	2.02	1.62	2.33	1.77	0.95	1.57	1.80	3.23	2.71	2.90	2.87	2.81	2.12
94 Hot Springs Wind	3.19	4.78	4.44	3.57	5.12	3.90	2.09	3.45	3.97	7.10	5.97	6.39	6.31	6.17	4.66
95 Hyline Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
96 Industrial Finishes Solar	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
97 JC-Biomethane	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
98 Jett Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
99 Josef Staufer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Juniper Canyon Wind	24.3	36.5	33.9	27.3	39.1	29.8	15.9	26.3	30.3	54.2	45.6	48.8	48.2	47.1	35.6
101 Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	23.1	46.3	44.4
102 King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
103 Kittitas Valley Wind	16.2	24.3	22.6	18.2	26.0	19.9	10.6	17.6	20.2	36.1	30.4	32.5	32.1	31.4	23.7
104 Klondike Wind 1	3.86	5.80	5.39	4.33	6.20	4.73	2.53	4.18	4.81	8.60	7.24	7.74	7.65	7.48	5.65
105 Klondike Wind 2	12.1	18.1	16.8	13.5	19.4	14.8	7.90	13.1	15.0	26.9	22.6	24.2	23.9	23.4	17.7
106 Klondike Wind 3	36.0	54.0	50.2	40.4	57.8	44.1	23.6	39.0	44.8	80.2	67.5	72.2	71.4	69.8	52.7
107 Klondike Wind 3a	12.3	18.5	17.2	13.8	19.8	15.1	8.06	13.3	15.3	27.4	23.1	24.7	24.4	23.8	18.0
108 Knudson Wind	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
109 Lakeview Solar	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
110 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Lakeview Solar 500	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
112 Leaning Juniper Wind	48.6	72.9	67.7	54.4	78.0	59.4	31.8	52.6	60.5	108	91.0	97.3	96.2	94.1	71.1
113 Leaning Juniper 1	16.2	24.3	22.5	18.1	26.0	19.8	10.6	17.5	20.1	36.0	30.3	32.4	32.0	31.3	23.7
114 Leaning Juniper 2a	14.5	21.8	20.3	16.3	23.3	17.8	9.51	15.7	18.1	32.4	27.2	29.1	28.8	28.1	21.3
115 Leaning Juniper 2b	17.9	26.8	24.9	20.0	28.7	21.9	11.7	19.3	22.2	39.8	33.5	35.8	35.4	34.6	26.1
116 Lewandowski Farms Wind	0.11	0.10	0.08	0.08	0.08	0.07	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
117 Lime Wind	0.48	0.72	0.67	0.54	0.78	0.59	0.32	0.52	0.60	1.08	0.91	0.97	0.96	0.94	0.71
118 Linden Ranch Wind	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
119 Livingston Wind	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
120 Lower Snake Wind	98.1	147	137	110	157	120	64.2	106	122	218	184	197	194	190	144

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
121 Lower Snake Wind 1	55.2	82.7	76.9	61.8	88.5	67.5	36.1	59.7	68.7	123	103	111	109	107	80.7
122 Tucannon River Wind	42.9	64.4	59.9	48.1	68.9	52.5	28.1	46.5	53.5	95.6	80.4	86.0	85.1	83.2	62.8
123 LRI/Graham Landfill - BioFuels	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28
124 Mainline Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
125 Marengo Wind	33.9	50.8	47.3	38.0	54.4	41.5	22.2	36.7	42.2	75.5	63.5	67.9	67.2	65.6	49.6
126 Marengo Wind 1	22.6	33.9	31.5	25.3	36.3	27.7	14.8	24.5	28.1	50.3	42.3	45.3	44.8	43.8	33.1
127 Marengo Wind 2	11.3	17.0	15.8	12.7	18.1	13.8	7.39	12.2	14.1	25.2	21.2	22.6	22.4	21.9	16.5
128 Meadow Creek Wind	19.3	28.9	26.9	21.6	30.9	23.6	12.6	20.9	24.0	42.9	36.1	38.6	38.2	37.3	28.2
129 Five Pine Wind	6.42	9.63	8.95	7.19	10.3	7.86	4.20	6.95	7.99	14.3	12.0	12.9	12.7	12.4	9.39
130 North Point Wind	12.8	19.3	17.9	14.4	20.6	15.7	8.40	13.9	16.0	28.6	24.1	25.7	25.4	24.9	18.8
131 Milner Dam Wind Farm	3.14	4.71	4.38	3.52	5.04	3.84	2.05	3.40	3.91	6.99	5.88	6.29	6.22	6.08	4.59
132 Mountain Home Solar	10.00	10.00	9.00	8.00	7.00	3.00	3.00	4.00	5.00	6.00	6.00	7.00	9.00	9.00	6.68
133 Moyer-Tolles Solar Station	0.52	0.52	0.52	0.39	0.39	0.26	0.13	0.13	0.26	0.26	0.26	0.39	0.39	0.52	0.35
134 Murphy Flat Solar Power	8.00	8.00	8.00	6.00	5.00	2.00	2.00	2.00	4.00	5.00	5.00	7.00	7.00	8.00	5.35
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	21.0
136 Nine Canyon Wind	15.4	23.2	21.5	17.3	24.8	18.9	10.1	16.7	19.2	34.4	28.9	30.9	30.6	29.9	22.6
137 Nine Canyon Wind 1	7.75	11.6	10.8	8.68	12.4	9.48	5.07	8.39	9.64	17.3	14.5	15.5	15.4	15.0	11.3
138 Nine Canyon Wind 2	2.50	3.75	3.49	2.80	4.01	3.06	1.64	2.71	3.11	5.57	4.68	5.01	4.95	4.84	3.66
139 Nine Canyon Wind 3	5.19	7.78	7.23	5.81	8.33	6.35	3.39	5.62	6.46	11.5	9.72	10.4	10.3	10.0	7.59
140 Open Range Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
141 Orchard Ranch Solar	7.96	7.96	6.25	4.46	2.58	1.71	2.25	4.04	4.96	6.50	6.50	7.21	8.33	8.29	5.38
142 Oregon Trail Wind	2.17	3.26	3.03	2.43	3.49	2.66	1.42	2.35	2.71	4.84	4.07	4.35	4.31	4.21	3.18
143 Outback Solar	1.61	1.61	1.33	0.93	0.55	0.39	0.40	0.83	1.06	1.34	1.34	1.51	1.78	1.81	1.13
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	2.73
145 Palouse Wind	16.8	25.2	23.4	18.8	27.0	20.6	11.0	18.2	20.9	37.4	31.5	33.7	33.3	32.5	24.6
146 PaTu Wind	1.45	2.17	2.02	1.62	2.33	1.77	0.95	1.57	1.80	3.23	2.71	2.90	2.87	2.81	2.12
147 Paynes Ferry Wind Park	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
148 Pebble Springs Wind	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
149 Pepsi-Cola Solar	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
150 Pepsi-Cola Eugene Solar 1	0	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	0
152 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 Pilgrim Stage Station Wind Park	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
154 Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
155 Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
156 Power County Wind	7.24	10.9	10.1	8.11	11.6	8.86	4.74	7.84	9.02	16.1	13.6	14.5	14.4	14.0	10.6
157 Prospector Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
158 Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
159 Qualco Dairy Digester	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
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	8.64
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	8.64

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
162 Raft River Geothermal 2	0	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	0
164 Railroad Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
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	0.86
166 Rattlesnake Road Wind Farm	16.6	24.8	23.1	18.6	26.6	20.3	10.8	17.9	20.6	36.9	31.0	33.2	32.8	32.1	24.2
167 River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
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	1.00
169 Rock River Wind	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
170 Rockland wind	12.7	19.1	17.8	14.3	20.5	15.6	8.34	13.8	15.9	28.4	23.9	25.5	25.3	24.7	18.6
171 Ryegrass Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
172 Salmon Falls Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
173 Sawtooth Wind	3.61	5.41	5.03	4.04	5.79	4.41	2.36	3.90	4.49	8.03	6.75	7.22	7.14	6.98	5.27
174 Shepherds Flat Wind	136	204	190	152	218	166	89.0	147	169	303	255	273	269	263	199
175 Shepherds Flat - Central (South Hurlburt)	46.7	70.0	65.1	52.3	74.9	57.1	30.5	50.5	58.1	104	87.4	93.5	92.5	90.4	68.3
176 Shepherds Flat - North (North Hurlburt)	42.7	64.0	59.5	47.8	68.5	52.2	27.9	46.2	53.1	95.0	79.9	85.5	84.5	82.6	62.4
177 Shepherds Flat - South (Horseshoe Bend)	46.7	70.0	65.1	52.3	74.9	57.1	30.5	50.5	58.1	104	87.4	93.5	92.5	90.4	68.3
178 Short Mountain	2.30	2.30	2.40	2.60	2.80	3.00	3.10	3.00	3.00	3.10	3.10	3.00	2.20	2.30	2.73
179 Simco Solar	7.98	7.98	6.28	4.50	2.61	1.73	2.27	4.09	4.97	6.10	6.10	7.24	8.34	8.30	5.37
180 Star Point Wind	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
181 Stateline Wind	48.3	72.5	67.4	54.1	77.6	59.1	31.6	52.3	60.2	108	90.5	96.9	95.8	93.6	70.7
182 Stateline-OR	19.5	29.2	27.2	21.8	31.3	23.8	12.8	21.1	24.3	43.4	36.5	39.0	38.6	37.7	28.5
183 Stateline-WA	28.9	43.3	40.2	32.3	46.3	35.3	18.9	31.2	35.9	64.2	54.0	57.8	57.2	55.9	42.2
184 Steel Bridge Solar	0.50	0.50	0.47	0.29	0.15	0.12	0.16	0.22	0.34	0.40	0.40	0.49	0.54	0.56	0.35
185 Stoltze Biomass	2.60	2.60	2.60	2.60	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.60	2.60	2.60	2.50
186 Swaquer Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0.68	1.03	0.95	0.77	1.10	0.84	0.45	0.74	0.85	1.52	1.28	1.37	1.36	1.33	1.00
188 Thousand Springs Wind Park	1.93	2.90	2.69	2.16	3.10	2.36	1.26	2.09	2.40	4.30	3.62	3.87	3.83	3.74	2.83
189 Threemile Canyon Wind	1.59	2.39	2.22	1.79	2.56	1.95	1.04	1.73	1.98	3.55	2.99	3.19	3.16	3.09	2.33
190 Thundereqq Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
191 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Gulch Wind	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
193 Tuana Springs Wind	2.70	4.06	3.77	3.03	4.34	3.31	1.77	2.93	3.37	6.02	5.07	5.42	5.36	5.24	3.96
194 Two Ponds Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
195 Vale Air Solar Center	1.00	1.00	1.00	1.00	0	0	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.75
196 Van Dyk's Holsteins	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
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	0.40
198 Vansycle Wind	20.0	29.9	27.8	22.4	32.0	24.4	13.1	21.6	24.8	44.4	37.4	40.0	39.5	38.7	29.2
199 Vansycle 1	4.04	6.06	5.63	4.53	6.49	4.94	2.64	4.37	5.03	8.99	7.57	8.10	8.00	7.82	5.91
200 Vansycle 2	15.9	23.9	22.2	17.8	25.6	19.5	10.4	17.2	19.8	35.4	29.8	31.9	31.5	30.8	23.3

Regional: Renewable Resources
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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
201 Vantage Wind	14.5	21.7	20.2	16.2	23.3	17.7	9.48	15.7	18.0	32.2	27.1	29.0	28.7	28.1	21.2
202 Wheat Field Wind	15.5	23.3	21.7	17.4	25.0	19.0	10.2	16.8	19.4	34.6	29.1	31.2	30.8	30.1	22.7
203 White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
204 White Creek Wind	32.2	48.3	44.9	36.1	51.7	39.4	21.1	34.9	40.1	71.7	60.3	64.5	63.8	62.3	47.1
205 Wild Horse Wind	44.0	65.9	61.3	49.2	70.5	53.8	28.8	47.6	54.7	97.8	82.3	88.0	87.0	85.1	64.3
206 Wild Horse Solar 1	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
207 Wild Horse Wind 1	36.8	55.2	51.3	41.2	59.1	45.0	24.1	39.8	45.8	81.9	68.9	73.7	72.9	71.3	53.8
208 Wild Horse Wind 2	7.08	10.6	9.87	7.93	11.4	8.67	4.63	7.67	8.82	15.8	13.3	14.2	14.0	13.7	10.4
209 Willow Creek Wind	11.6	17.4	16.2	13.0	18.6	14.2	7.58	12.5	14.4	25.8	21.7	23.2	23.0	22.4	17.0
210 Willow Spring Wind Farm	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
211 Windy Point Wind	64.2	96.3	89.5	71.9	103	78.5	42.0	69.5	79.9	143	120	129	127	124	93.9
212 Windy Point 1	22.0	33.0	30.6	24.6	35.3	26.9	14.4	23.8	27.4	48.9	41.2	44.1	43.6	42.6	32.2
213 Windy Point 2	32.6	48.9	45.4	36.5	52.3	39.9	21.3	35.3	40.6	72.5	61.0	65.3	64.5	63.1	47.7
214 Windy Point 2 - Phase 2	9.63	14.4	13.4	10.8	15.5	11.8	6.30	10.4	12.0	21.4	18.0	19.3	19.1	18.6	14.1
215 Wolverine Creek Wind	10.4	15.6	14.5	11.6	16.7	12.7	6.79	11.2	12.9	23.1	19.4	20.8	20.6	20.1	15.2
216 Yahoo Creek Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
217 Yamhill Solar	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
Total Renewable Resources															
218 Cooperative	18.5	22.9	22.0	19.5	23.4	19.6	15.0	18.7	20.3	28.7	25.7	27.1	26.9	26.5	22.2
219 Federal Entities	22.6	33.8	31.5	25.3	36.2	27.6	14.8	24.4	28.1	50.2	42.3	45.2	44.7	43.7	33.0
220 Investor Owned Utilities	912	1268	1183	974	1303	1014	593	920	1046	1758	1506	1610	1581	1577	1211
221 Marketer	146	219	204	164	235	179	95.7	158	182	325	274	293	290	283	214
222 Municipality	208	304	284	231	324	251	141	224	255	444	376	401	397	388	297
223 Other	7.76	11.4	10.6	8.50	12.0	9.12	4.87	7.97	9.28	16.4	13.8	14.9	14.7	14.5	10.9
224 Public Utility District	118	165	155	130	176	140	86.1	127	142	235	201	214	211	207	162
225 Total	1433	2025	1890	1551	2109	1639	950	1479	1682	2858	2439	2605	2564	2539	1950

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg	
Renewable Resources																
1 3 Bar G Wind	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	
2 American Falls Solar	16.0	16.0	14.0	12.0	8.00	4.00	2.00	4.00	6.00	10.00	10.00	12.0	14.0	16.0	9.86	
3 American Falls Solar 1	8.00	8.00	7.00	6.00	4.00	2.00	1.00	2.00	3.00	5.00	5.00	6.00	7.00	8.00	4.93	
4 American Falls Solar 2	8.00	8.00	7.00	6.00	4.00	2.00	1.00	2.00	3.00	5.00	5.00	6.00	7.00	8.00	4.93	
5 Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
6 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9 Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0	
10 Baldock Solar	0.31	0.31	0.25	0.18	0.09	0.06	0.10	0.13	0.21	0.25	0.25	0.32	0.32	0.35	0.21	
11 Bannock County Landfill	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	
12 Bellevue Solar (Amity, OR)	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.21	
13 Bennett Creek Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94	
14 Benson Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35	
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	0.69	
16 Big Horn Wind	40.2	60.2	56.0	45.0	64.5	49.1	26.3	43.5	50.0	89.4	75.2	80.5	79.6	77.8	58.7	
17 Big Horn 1	32.1	48.2	44.8	36.0	51.5	39.3	21.0	34.8	40.0	71.5	60.1	64.3	63.6	62.2	47.0	
18 Big Horn 2	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8	
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	1.06	
20 Biglow Canyon Wind	72.4	109	101	81.1	116	88.6	47.4	78.4	90.1	161	136	145	143	140	106	
21 Biglow Canyon 1	20.2	30.3	28.1	22.6	32.4	24.7	13.2	21.9	25.1	44.9	37.8	40.4	40.0	39.1	29.5	
22 Biglow Canyon 2	24.1	36.1	33.5	27.0	38.6	29.4	15.7	26.1	30.0	53.6	45.1	48.2	47.7	46.6	35.2	
23 Biglow Canyon 3	28.1	42.2	39.2	31.5	45.2	34.4	18.4	30.5	35.0	62.6	52.7	56.4	55.7	54.5	41.2	
24 Black Cap Solar Project	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	
25 Blue Basin Power	0.52	0.52	0.52	0.39	0.39	0.26	0.13	0.13	0.26	0.26	0.26	0.39	0.39	0.52	0.35	
26 Boise City Solar	16.2	16.2	13.7	11.6	7.07	6.09	6.19	9.07	11.1	12.9	12.9	15.1	16.0	17.4	11.9	
27 Burley Butte Wind	3.14	4.71	4.38	3.52	5.04	3.84	2.05	3.40	3.91	6.99	5.88	6.29	6.22	6.08	4.59	
28 Camp Reed Wind	3.62	5.43	5.05	4.06	5.81	4.43	2.37	3.92	4.51	8.06	6.78	7.26	7.18	7.01	5.30	
29 Cassia Farms Wind	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47	
30 Cassia Gulch Wind	3.04	4.56	4.24	3.41	4.88	3.72	1.99	3.29	3.79	6.77	5.70	6.10	6.03	5.89	4.45	
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	1.16	
32 Clark Community Solar	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	
33 Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36	
34 Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38	
35 Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98	
36 Cold Springs Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42	
37 Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	
38 Combine Hills Wind	16.7	25.1	23.3	18.8	26.9	20.5	11.0	18.1	20.8	37.3	31.4	33.5	33.2	32.4	24.5	
39 Combine Hills 2	10.1	15.2	14.1	11.4	16.3	12.4	6.64	11.0	12.6	22.6	19.0	20.3	20.1	19.6	14.8	

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40 Combine Hills I	6.60	9.90	9.20	7.39	10.6	8.08	4.32	7.15	8.21	14.7	12.4	13.2	13.1	12.8	9.65
41 Condon Wind	8.02	12.0	11.2	8.98	12.9	9.81	5.25	8.68	9.98	17.8	15.0	16.1	15.9	15.5	11.7
42 Condon 1	3.96	5.94	5.52	4.44	6.36	4.85	2.59	4.29	4.93	8.82	7.42	7.93	7.84	7.67	5.79
43 Condon 2	4.06	6.08	5.65	4.54	6.51	4.96	2.65	4.39	5.05	9.03	7.60	8.13	8.04	7.85	5.93
44 Cowlitz Community Solar	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	0.09
45 Cowlitz Community Solar - Admin Building	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
46 Cowlitz Community Solar - Operations Building	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
47 Deep Creek Wind	0	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	1.20
49 Desert Meadow Windfarm	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
50 Domaine Drouhin Solar	0.02	0.02	0.02	0.01	0	0	0	0.01	0.01	0	0	0	0.01	0.01	0.01
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	1.00
52 Double B Digester	0	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	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	1.26
55 Durbin Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
56 Echo Wind Farm	10.4	15.6	14.5	11.6	16.7	12.7	6.80	11.2	12.9	23.1	19.5	20.8	20.6	20.1	15.2
57 Echo Wind 1	7.17	10.8	10.00	8.03	11.5	8.77	4.69	7.76	8.93	16.0	13.4	14.4	14.2	13.9	10.5
58 Echo Wind 2	3.22	4.83	4.49	3.61	5.17	3.94	2.11	3.49	4.01	7.17	6.03	6.45	6.38	6.23	4.71
59 Edaleen Cow Power	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
60 Elkhorn Valley Wind Project	16.2	24.3	22.6	18.1	26.0	19.8	10.6	17.5	20.2	36.1	30.3	32.5	32.1	31.4	23.7
61 Farm Power Lynden	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
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	0.75
63 Farm Power Rexville	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
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	1.00
65 Fighting Creek Landfill	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
66 Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
67 Finn Hill Solar	0.07	0.07	0.06	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.06	0.07	0.05
68 Flathead County Landfill	1.33	1.33	1.33	1.33	1.23	1.24	1.24	1.28	1.24	1.33	1.33	1.33	1.33	1.33	1.30
69 Foote Creek 1 Wind	6.66	10.00	9.29	7.46	10.7	8.15	4.36	7.21	8.29	14.8	12.5	13.4	13.2	12.9	9.75
70 Foote Creek 2 Wind	0.29	0.44	0.40	0.33	0.47	0.36	0.19	0.31	0.36	0.65	0.54	0.58	0.57	0.56	0.42
71 Foote Creek 4 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Forest Glen Oaks Dairy	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
73 Fossil Gulch Wind Project	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
74 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Golden Valley Wind	1.93	2.90	2.69	2.16	3.10	2.36	1.26	2.09	2.40	4.30	3.62	3.87	3.83	3.74	2.83
76 Goodnoe Hills Wind	15.1	22.7	21.1	16.9	24.3	18.5	9.90	16.4	18.8	33.7	28.3	30.3	30.0	29.3	22.1
77 Goshen North (Ridgeline Wind)	20.0	30.1	27.9	22.4	32.2	24.5	13.1	21.7	24.9	44.6	37.5	40.2	39.7	38.8	29.3
78 Grayland Wind	0.97	1.45	1.35	1.08	1.55	1.18	0.63	1.05	1.20	2.15	1.81	1.94	1.91	1.87	1.41
79 Grove Solar Center	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	0	1.00	1.00	1.00	1.54

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
80 H.W. Hill Landfill Gas (Roosevelt	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
81 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 HW Hill Landfill Gas 2	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
83 Hammett Hill Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
84 Harvest Wind	15.9	23.9	22.2	17.8	25.6	19.5	10.4	17.2	19.8	35.4	29.8	31.9	31.5	30.8	23.3
85 Hay Canyon Wind	16.2	24.3	22.6	18.2	26.0	19.9	10.6	17.6	20.2	36.1	30.4	32.5	32.1	31.4	23.7
86 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
88 High Mesa Wind	6.42	9.63	8.95	7.19	10.3	7.86	4.20	6.95	7.99	14.3	12.0	12.9	12.7	12.4	9.39
89 Hopkins Ridge Wind	25.2	37.8	35.1	28.2	40.5	30.8	16.5	27.3	31.4	56.1	47.2	50.5	49.9	48.8	36.9
90 Hopkins Ridge 2	1.16	1.74	1.62	1.30	1.86	1.42	0.76	1.26	1.44	2.58	2.17	2.32	2.30	2.24	1.70
91 Hopkins Ridge I	24.0	36.1	33.5	26.9	38.6	29.4	15.7	26.0	29.9	53.5	45.0	48.2	47.6	46.6	35.2
92 Horse Butte Wind	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
93 Horseshoe Bend Wind Project	1.45	2.17	2.02	1.62	2.33	1.77	0.95	1.57	1.80	3.23	2.71	2.90	2.87	2.81	2.12
94 Hot Springs Wind	3.19	4.78	4.44	3.57	5.12	3.90	2.09	3.45	3.97	7.10	5.97	6.39	6.31	6.17	4.66
95 Hylina Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
96 Industrial Finishes Solar	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
97 JC-Biomethane	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
98 Jett Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
99 Josef Staufer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Juniper Canyon Wind	24.3	36.5	33.9	27.3	39.1	29.8	15.9	26.3	30.3	54.2	45.6	48.8	48.2	47.1	35.6
101 Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	34.7	23.1	46.3	43.4
102 King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
103 Kittitas Valley Wind	16.2	24.3	22.6	18.2	26.0	19.9	10.6	17.6	20.2	36.1	30.4	32.5	32.1	31.4	23.7
104 Klondike Wind 1	3.86	5.80	5.39	4.33	6.20	4.73	2.53	4.18	4.81	8.60	7.24	7.74	7.65	7.48	5.65
105 Klondike Wind 2	12.1	18.1	16.8	13.5	19.4	14.8	7.90	13.1	15.0	26.9	22.6	24.2	23.9	23.4	17.7
106 Klondike Wind 3	36.0	54.0	50.2	40.4	57.8	44.1	23.6	39.0	44.8	80.2	67.5	72.2	71.4	69.8	52.7
107 Klondike Wind 3a	12.3	18.5	17.2	13.8	19.8	15.1	8.06	13.3	15.3	27.4	23.1	24.7	24.4	23.8	18.0
108 Knudson Wind	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
109 Lakeview Solar	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
110 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Lakeview Solar 500	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
112 Leaning Juniper Wind	48.6	72.9	67.7	54.4	78.0	59.4	31.8	52.6	60.5	108	91.0	97.3	96.2	94.1	71.1
113 Leaning Juniper 1	16.2	24.3	22.5	18.1	26.0	19.8	10.6	17.5	20.1	36.0	30.3	32.4	32.0	31.3	23.7
114 Leaning Juniper 2a	14.5	21.8	20.3	16.3	23.3	17.8	9.51	15.7	18.1	32.4	27.2	29.1	28.8	28.1	21.3
115 Leaning Juniper 2b	17.9	26.8	24.9	20.0	28.7	21.9	11.7	19.3	22.2	39.8	33.5	35.8	35.4	34.6	26.1
116 Lewandowski Farms Wind	0.11	0.10	0.08	0.08	0.08	0.06	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
117 Lime Wind	0.48	0.72	0.67	0.54	0.78	0.59	0.32	0.52	0.60	1.08	0.91	0.97	0.96	0.94	0.71
118 Linden Ranch Wind	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
119 Livingston Wind	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
120 Lower Snake Wind	98.1	147	137	110	157	120	64.2	106	122	218	184	197	194	190	144

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121 Lower Snake Wind 1	55.2	82.7	76.9	61.8	88.5	67.5	36.1	59.7	68.7	123	103	111	109	107	80.7
122 Tucannon River Wind	42.9	64.4	59.9	48.1	68.9	52.5	28.1	46.5	53.5	95.6	80.4	86.0	85.1	83.2	62.8
123 LRI/Graham Landfill - BioFuels	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28
124 Mainline Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
125 Marengo Wind	33.9	50.8	47.3	38.0	54.4	41.5	22.2	36.7	42.2	75.5	63.5	67.9	67.2	65.6	49.6
126 Marengo Wind 1	22.6	33.9	31.5	25.3	36.3	27.7	14.8	24.5	28.1	50.3	42.3	45.3	44.8	43.8	33.1
127 Marengo Wind 2	11.3	17.0	15.8	12.7	18.1	13.8	7.39	12.2	14.1	25.2	21.2	22.6	22.4	21.9	16.5
128 Meadow Creek Wind	19.3	28.9	26.9	21.6	30.9	23.6	12.6	20.9	24.0	42.9	36.1	38.6	38.2	37.3	28.2
129 Five Pine Wind	6.42	9.63	8.95	7.19	10.3	7.86	4.20	6.95	7.99	14.3	12.0	12.9	12.7	12.4	9.39
130 North Point Wind	12.8	19.3	17.9	14.4	20.6	15.7	8.40	13.9	16.0	28.6	24.1	25.7	25.4	24.9	18.8
131 Milner Dam Wind Farm	3.14	4.71	4.38	3.52	5.04	3.84	2.05	3.40	3.91	6.99	5.88	6.29	6.22	6.08	4.59
132 Mountain Home Solar	10.00	10.00	9.00	8.00	7.00	3.00	3.00	4.00	5.00	6.00	6.00	7.00	9.00	9.00	6.68
133 Moyer-Tolles Solar Station	0.52	0.52	0.52	0.39	0.39	0.26	0.13	0.13	0.26	0.26	0.26	0.39	0.39	0.52	0.35
134 Murphy Flat Solar Power	8.00	8.00	8.00	6.00	5.00	2.00	2.00	2.00	4.00	5.00	5.00	7.00	7.00	8.00	5.35
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	21.0
136 Nine Canyon Wind	15.4	23.2	21.5	17.3	24.8	18.9	10.1	16.7	19.2	34.4	28.9	30.9	30.6	29.9	22.6
137 Nine Canyon Wind 1	7.75	11.6	10.8	8.68	12.4	9.48	5.07	8.39	9.64	17.3	14.5	15.5	15.4	15.0	11.3
138 Nine Canyon Wind 2	2.50	3.75	3.49	2.80	4.01	3.06	1.64	2.71	3.11	5.57	4.68	5.01	4.95	4.84	3.66
139 Nine Canyon Wind 3	5.19	7.78	7.23	5.81	8.33	6.35	3.39	5.62	6.46	11.5	9.72	10.4	10.3	10.0	7.59
140 Open Range Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
141 Orchard Ranch Solar	7.96	7.96	6.25	4.46	2.58	1.71	2.25	4.04	4.96	6.50	6.50	7.21	8.33	8.29	5.38
142 Oregon Trail Wind	2.17	3.26	3.03	2.43	3.49	2.66	1.42	2.35	2.71	4.84	4.07	4.35	4.31	4.21	3.18
143 Outback Solar	1.61	1.61	1.33	0.93	0.55	0.39	0.40	0.83	1.06	1.34	1.34	1.51	1.78	1.81	1.13
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	2.73
145 Palouse Wind	16.8	25.2	23.4	18.8	27.0	20.6	11.0	18.2	20.9	37.4	31.5	33.7	33.3	32.5	24.6
146 PaTu Wind	1.45	2.17	2.02	1.62	2.33	1.77	0.95	1.57	1.80	3.23	2.71	2.90	2.87	2.81	2.12
147 Paynes Ferry Wind Park	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
148 Pebble Springs Wind	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
149 Pepsi-Cola Solar	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
150 Pepsi-Cola Eugene Solar 1	0	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	0
152 Pepsi-Cola Solar Laevview	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 Pilgrim Stage Station Wind Park	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
154 Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
155 Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
156 Power County Wind	7.24	10.9	10.1	8.11	11.6	8.86	4.74	7.84	9.02	16.1	13.6	14.5	14.4	14.0	10.6
157 Prospector Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
158 Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
159 Qualco Dairy Digester	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
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	8.64
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	8.64

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
162 Raft River Geothermal 2	0	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	0
164 Railroad Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
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	0.86
166 Rattlesnake Road Wind Farm	16.6	24.8	23.1	18.6	26.6	20.3	10.8	17.9	20.6	36.9	31.0	33.2	32.8	32.1	24.2
167 River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
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	1.00
169 Rock River Wind	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
170 Rockland wind	12.7	19.1	17.8	14.3	20.5	15.6	8.34	13.8	15.9	28.4	23.9	25.5	25.3	24.7	18.6
171 Ryegrass Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
172 Salmon Falls Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
173 Sawtooth Wind	3.61	5.41	5.03	4.04	5.79	4.41	2.36	3.90	4.49	8.03	6.75	7.22	7.14	6.98	5.27
174 Shepherds Flat Wind	136	204	190	152	218	166	89.0	147	169	303	255	273	269	263	199
175 Shepherds Flat - Central (South Hurlburt)	46.7	70.0	65.1	52.3	74.9	57.1	30.5	50.5	58.1	104	87.4	93.5	92.5	90.4	68.3
176 Shepherds Flat - North (North Hurlburt)	42.7	64.0	59.5	47.8	68.5	52.2	27.9	46.2	53.1	95.0	79.9	85.5	84.5	82.6	62.4
177 Shepherds Flat - South (Horseshoe Bend)	46.7	70.0	65.1	52.3	74.9	57.1	30.5	50.5	58.1	104	87.4	93.5	92.5	90.4	68.3
178 Short Mountain	2.30	2.30	2.40	2.60	2.80	3.00	3.10	3.00	3.00	3.10	3.10	3.00	2.20	2.30	2.73
179 Simco Solar	7.98	7.98	6.28	4.50	2.61	1.73	2.27	4.09	4.97	6.10	6.10	7.24	8.34	8.30	5.37
180 Star Point Wind	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
181 Stateline Wind	48.3	72.5	67.4	54.1	77.6	59.1	31.6	52.3	60.2	108	90.5	96.9	95.8	93.6	70.7
182 Stateline-OR	19.5	29.2	27.2	21.8	31.3	23.8	12.8	21.1	24.3	43.4	36.5	39.0	38.6	37.7	28.5
183 Stateline-WA	28.9	43.3	40.2	32.3	46.3	35.3	18.9	31.2	35.9	64.2	54.0	57.8	57.2	55.9	42.2
184 Steel Bridge Solar	0.50	0.50	0.47	0.29	0.15	0.12	0.16	0.22	0.34	0.40	0.40	0.49	0.54	0.56	0.35
185 Stoltze Biomass	2.60	2.60	2.60	2.60	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.60	2.60	2.60	2.50
186 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0.68	1.03	0.95	0.77	1.10	0.84	0.45	0.74	0.85	1.52	1.28	1.37	1.36	1.33	1.00
188 Thousand Springs Wind Park	1.93	2.90	2.69	2.16	3.10	2.36	1.26	2.09	2.40	4.30	3.62	3.87	3.83	3.74	2.83
189 Threemile Canyon Wind	1.59	2.39	2.22	1.79	2.56	1.95	1.04	1.73	1.98	3.55	2.99	3.19	3.16	3.09	2.33
190 Thundereqq Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
191 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Gulch Wind	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
193 Tuana Springs Wind	2.70	4.06	3.77	3.03	4.34	3.31	1.77	2.93	3.37	6.02	5.07	5.42	5.36	5.24	3.96
194 Two Ponds Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
195 Vale Air Solar Center	1.00	1.00	1.00	1.00	0	0	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.75
196 Van Dyk's Holsteins	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
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	0.40
198 Vansycle Wind	20.0	29.9	27.8	22.4	32.0	24.4	13.1	21.6	24.8	44.4	37.4	40.0	39.5	38.7	29.2
199 Vansycle 1	4.04	6.06	5.63	4.53	6.49	4.94	2.64	4.37	5.03	8.99	7.57	8.10	8.00	7.82	5.91
200 Vansycle 2	15.9	23.9	22.2	17.8	25.6	19.5	10.4	17.2	19.8	35.4	29.8	31.9	31.5	30.8	23.3

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
201 Vantage Wind	14.5	21.7	20.2	16.2	23.3	17.7	9.48	15.7	18.0	32.2	27.1	29.0	28.7	28.1	21.2
202 Wheat Field Wind	15.5	23.3	21.7	17.4	25.0	19.0	10.2	16.8	19.4	34.6	29.1	31.2	30.8	30.1	22.7
203 White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
204 White Creek Wind	32.2	48.3	44.9	36.1	51.7	39.4	21.1	34.9	40.1	71.7	60.3	64.5	63.8	62.3	47.1
205 Wild Horse Wind	44.0	65.9	61.3	49.2	70.5	53.8	28.8	47.6	54.7	97.8	82.3	88.0	87.0	85.1	64.3
206 Wild Horse Solar 1	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
207 Wild Horse Wind 1	36.8	55.2	51.3	41.2	59.1	45.0	24.1	39.8	45.8	81.9	68.9	73.7	72.9	71.3	53.8
208 Wild Horse Wind 2	7.08	10.6	9.87	7.93	11.4	8.67	4.63	7.67	8.82	15.8	13.3	14.2	14.0	13.7	10.4
209 Willow Creek Wind	11.6	17.4	16.2	13.0	18.6	14.2	7.58	12.5	14.4	25.8	21.7	23.2	23.0	22.4	17.0
210 Willow Spring Wind Farm	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
211 Windy Point Wind	64.2	96.3	89.5	71.9	103	78.5	42.0	69.5	79.9	143	120	129	127	124	93.9
212 Windy Point 1	22.0	33.0	30.6	24.6	35.3	26.9	14.4	23.8	27.4	48.9	41.2	44.1	43.6	42.6	32.2
213 Windy Point 2	32.6	48.9	45.4	36.5	52.3	39.9	21.3	35.3	40.6	72.5	61.0	65.3	64.5	63.1	47.7
214 Windy Point 2 - Phase 2	9.63	14.4	13.4	10.8	15.5	11.8	6.30	10.4	12.0	21.4	18.0	19.3	19.1	18.6	14.1
215 Wolverine Creek Wind	10.4	15.6	14.5	11.6	16.7	12.7	6.79	11.2	12.9	23.1	19.4	20.8	20.6	20.1	15.2
216 Yahoo Creek Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
217 Yamhill Solar	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
Total Renewable Resources															
218 Cooperative	18.5	22.9	22.0	19.5	23.4	19.6	15.0	18.7	20.3	28.7	25.7	27.1	26.9	26.5	22.2
219 Federal Entities	22.6	33.8	31.5	25.3	36.2	27.6	14.8	24.4	28.1	50.2	42.3	45.2	44.7	43.7	33.0
220 Investor Owned Utilities	912	1268	1183	974	1303	1014	593	920	1046	1758	1506	1598	1581	1577	1210
221 Marketer	146	219	204	164	235	179	95.7	158	182	325	274	293	290	283	214
222 Municipality	208	304	284	231	324	251	141	224	255	444	376	401	397	388	297
223 Other	7.76	11.4	10.6	8.50	12.0	9.12	4.87	7.97	9.28	16.4	13.8	14.9	14.7	14.5	10.9
224 Public Utility District	118	165	155	130	176	140	86.1	127	142	235	201	214	211	207	162
225 Total	1433	2025	1890	1551	2109	1639	950	1479	1682	2858	2439	2593	2564	2539	1949

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Renewable Resources															
1 3 Bar G Wind	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
2 American Falls Solar	16.0	16.0	14.0	12.0	8.00	4.00	2.00	4.00	6.00	10.00	10.00	12.0	14.0	16.0	9.86
3 American Falls Solar 1	8.00	8.00	7.00	6.00	4.00	2.00	1.00	2.00	3.00	5.00	5.00	6.00	7.00	8.00	4.93
4 American Falls Solar 2	8.00	8.00	7.00	6.00	4.00	2.00	1.00	2.00	3.00	5.00	5.00	6.00	7.00	8.00	4.93
5 Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
6 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0
10 Baldock Solar	0.31	0.31	0.25	0.18	0.09	0.06	0.10	0.13	0.21	0.25	0.25	0.32	0.32	0.35	0.21
11 Bannock County Landfill	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
12 Bellevue Solar (Amity, OR)	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.21
13 Bennett Creek Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
14 Benson Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
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	0.69
16 Big Horn Wind	40.2	60.2	56.0	45.0	64.5	49.1	26.3	43.5	50.0	89.4	75.2	80.5	79.6	77.8	58.7
17 Big Horn 1	32.1	48.2	44.8	36.0	51.5	39.3	21.0	34.8	40.0	71.5	60.1	64.3	63.6	62.2	47.0
18 Big Horn 2	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
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	1.06
20 Biglow Canyon Wind	72.4	109	101	81.1	116	88.6	47.4	78.4	90.1	161	136	145	143	140	106
21 Biglow Canyon 1	20.2	30.3	28.1	22.6	32.4	24.7	13.2	21.9	25.1	44.9	37.8	40.4	40.0	39.1	29.5
22 Biglow Canyon 2	24.1	36.1	33.5	27.0	38.6	29.4	15.7	26.1	30.0	53.6	45.1	48.2	47.7	46.6	35.2
23 Biglow Canyon 3	28.1	42.2	39.2	31.5	45.2	34.4	18.4	30.5	35.0	62.6	52.7	56.4	55.7	54.5	41.2
24 Black Cap Solar Project	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
25 Blue Basin Power	0.52	0.52	0.52	0.39	0.39	0.26	0.13	0.13	0.26	0.26	0.26	0.39	0.39	0.52	0.35
26 Boise City Solar	16.2	16.2	13.7	11.6	7.07	6.09	6.19	9.07	11.1	12.9	12.9	15.1	16.0	17.4	11.9
27 Burley Butte Wind	3.14	4.71	4.38	3.52	5.04	3.84	2.05	3.40	3.91	6.99	5.88	6.29	6.22	6.08	4.59
28 Camp Reed Wind	3.62	5.43	5.05	4.06	5.81	4.43	2.37	3.92	4.51	8.06	6.78	7.26	7.18	7.01	5.30
29 Cassia Farms Wind	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
30 Cassia Gulch Wind	3.04	4.56	4.24	3.41	4.88	3.72	1.99	3.29	3.79	6.77	5.70	6.10	6.03	5.89	4.45
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	1.16
32 Clark Community Solar	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
33 Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36
34 Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38
35 Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98
36 Cold Springs Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
37 Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
38 Combine Hills Wind	16.7	25.1	23.3	18.8	26.9	20.5	11.0	18.1	20.8	37.3	31.4	33.5	33.2	32.4	24.5
39 Combine Hills 2	10.1	15.2	14.1	11.4	16.3	12.4	6.64	11.0	12.6	22.6	19.0	20.3	20.1	19.6	14.8

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40 Combine Hills I	6.60	9.90	9.20	7.39	10.6	8.08	4.32	7.15	8.21	14.7	12.4	13.2	13.1	12.8	9.65
41 Condon Wind	8.02	12.0	11.2	8.98	12.9	9.81	5.25	8.68	9.98	17.8	15.0	16.1	15.9	15.5	11.7
42 Condon 1	3.96	5.94	5.52	4.44	6.36	4.85	2.59	4.29	4.93	8.82	7.42	7.93	7.84	7.67	5.79
43 Condon 2	4.06	6.08	5.65	4.54	6.51	4.96	2.65	4.39	5.05	9.03	7.60	8.13	8.04	7.85	5.93
44 Cowlitz Community Solar	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	0.09
45 Cowlitz Community Solar - Admin Building	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
46 Cowlitz Community Solar - Operations Building	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
47 Deep Creek Wind	0	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	1.20
49 Desert Meadow Windfarm	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
50 Domaine Drouhin Solar	0.02	0.02	0.02	0.01	0	0	0	0.01	0.01	0	0	0	0.01	0.01	0.01
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	1.00
52 Double B Digester	0	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	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	1.26
55 Durbin Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
56 Echo Wind Farm	10.4	15.6	14.5	11.6	16.7	12.7	6.80	11.2	12.9	23.1	19.5	20.8	20.6	20.1	15.2
57 Echo Wind 1	7.17	10.8	10.00	8.03	11.5	8.77	4.69	7.76	8.93	16.0	13.4	14.4	14.2	13.9	10.5
58 Echo Wind 2	3.22	4.83	4.49	3.61	5.17	3.94	2.11	3.49	4.01	7.17	6.03	6.45	6.38	6.23	4.71
59 Edaleen Cow Power	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
60 Elkhorn Valley Wind Project	16.2	24.3	22.6	18.1	26.0	19.8	10.6	17.5	20.2	36.1	30.3	32.5	32.1	31.4	23.7
61 Farm Power Lynden	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
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	0.75
63 Farm Power Rexville	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
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	1.00
65 Fighting Creek Landfill	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
66 Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
67 Finn Hill Solar	0.07	0.07	0.06	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.06	0.07	0.05
68 Flathead County Landfill	1.33	1.33	1.33	1.33	1.23	1.24	1.24	1.28	1.24	1.33	1.33	1.33	1.33	1.33	1.30
69 Foote Creek 1 Wind	6.66	10.00	9.29	7.46	10.7	8.15	4.36	7.21	8.29	14.8	12.5	13.4	13.2	12.9	9.75
70 Foote Creek 2 Wind	0.29	0.44	0.40	0.33	0.47	0.36	0.19	0.31	0.36	0.65	0.54	0.58	0.57	0.56	0.42
71 Foote Creek 4 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Forest Glen Oaks Dairy	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
73 Fossil Gulch Wind Project	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
74 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Golden Valley Wind	1.93	2.90	2.69	2.16	3.10	2.36	1.26	2.09	2.40	4.30	3.62	3.87	3.83	3.74	2.83
76 Goodnoe Hills Wind	15.1	22.7	21.1	16.9	24.3	18.5	9.90	16.4	18.8	33.7	28.3	30.3	30.0	29.3	22.1
77 Goshen North (Ridgeline Wind)	20.0	30.1	27.9	22.4	32.2	24.5	13.1	21.7	24.9	44.6	37.5	40.2	39.7	38.8	29.3
78 Grayland Wind	0.97	1.45	1.35	1.08	1.55	1.18	0.63	1.05	1.20	2.15	1.81	1.94	1.91	1.87	1.41
79 Grove Solar Center	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	0	1.00	1.00	1.00	1.54

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80 H.W. Hill Landfill Gas (Roosevelt)	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
81 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 HW Hill Landfill Gas 2	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
83 Hammett Hill Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
84 Harvest Wind	15.9	23.9	22.2	17.8	25.6	19.5	10.4	17.2	19.8	35.4	29.8	31.9	31.5	30.8	23.3
85 Hay Canyon Wind	16.2	24.3	22.6	18.2	26.0	19.9	10.6	17.6	20.2	36.1	30.4	32.5	32.1	31.4	23.7
86 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
88 High Mesa Wind	6.42	9.63	8.95	7.19	10.3	7.86	4.20	6.95	7.99	14.3	12.0	12.9	12.7	12.4	9.39
89 Hopkins Ridge Wind	25.2	37.8	35.1	28.2	40.5	30.8	16.5	27.3	31.4	56.1	47.2	50.5	49.9	48.8	36.9
90 Hopkins Ridge 2	1.16	1.74	1.62	1.30	1.86	1.42	0.76	1.26	1.44	2.58	2.17	2.32	2.30	2.24	1.70
91 Hopkins Ridge I	24.0	36.1	33.5	26.9	38.6	29.4	15.7	26.0	29.9	53.5	45.0	48.2	47.6	46.6	35.2
92 Horse Butte Wind	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
93 Horseshoe Bend Wind Project	1.45	2.17	2.02	1.62	2.33	1.77	0.95	1.57	1.80	3.23	2.71	2.90	2.87	2.81	2.12
94 Hot Springs Wind	3.19	4.78	4.44	3.57	5.12	3.90	2.09	3.45	3.97	7.10	5.97	6.39	6.31	6.17	4.66
95 Hyline Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
96 Industrial Finishes Solar	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
97 JC-Biomethane	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
98 Jett Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
99 Josef Staufer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Juniper Canyon Wind	24.3	36.5	33.9	27.3	39.1	29.8	15.9	26.3	30.3	54.2	45.6	48.8	48.2	47.1	35.6
101 Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	34.7	23.1	46.3	43.4
102 King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
103 Kittitas Valley Wind	16.2	24.3	22.6	18.2	26.0	19.9	10.6	17.6	20.2	36.1	30.4	32.5	32.1	31.4	23.7
104 Klondike Wind 1	3.86	5.80	5.39	4.33	6.20	4.73	2.53	4.18	4.81	8.60	7.24	7.74	7.65	7.48	5.65
105 Klondike Wind 2	12.1	18.1	16.8	13.5	19.4	14.8	7.90	13.1	15.0	26.9	22.6	24.2	23.9	23.4	17.7
106 Klondike Wind 3	36.0	54.0	50.2	40.4	57.8	44.1	23.6	39.0	44.8	80.2	67.5	72.2	71.4	69.8	52.7
107 Klondike Wind 3a	12.3	18.5	17.2	13.8	19.8	15.1	8.06	13.3	15.3	27.4	23.1	24.7	24.4	23.8	18.0
108 Knudson Wind	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
109 Lakeview Solar	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
110 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Lakeview Solar 500	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
112 Leaning Juniper Wind	48.6	72.9	67.7	54.4	78.0	59.4	31.8	52.6	60.5	108	91.0	97.3	96.2	94.1	71.1
113 Leaning Juniper 1	16.2	24.3	22.5	18.1	26.0	19.8	10.6	17.5	20.1	36.0	30.3	32.4	32.0	31.3	23.7
114 Leaning Juniper 2a	14.5	21.8	20.3	16.3	23.3	17.8	9.51	15.7	18.1	32.4	27.2	29.1	28.8	28.1	21.3
115 Leaning Juniper 2b	17.9	26.8	24.9	20.0	28.7	21.9	11.7	19.3	22.2	39.8	33.5	35.8	35.4	34.6	26.1
116 Lewandowski Farms Wind	0.11	0.10	0.08	0.08	0.08	0.06	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
117 Lime Wind	0.48	0.72	0.67	0.54	0.78	0.59	0.32	0.52	0.60	1.08	0.91	0.97	0.96	0.94	0.71
118 Linden Ranch Wind	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
119 Livingston Wind	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
120 Lower Snake Wind	98.1	147	137	110	157	120	64.2	106	122	218	184	197	194	190	144

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121 Lower Snake Wind 1	55.2	82.7	76.9	61.8	88.5	67.5	36.1	59.7	68.7	123	103	111	109	107	80.7
122 Tucannon River Wind	42.9	64.4	59.9	48.1	68.9	52.5	28.1	46.5	53.5	95.6	80.4	86.0	85.1	83.2	62.8
123 LRI/Graham Landfill - BioFuels	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28
124 Mainline Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
125 Marengo Wind	33.9	50.8	47.3	38.0	54.4	41.5	22.2	36.7	42.2	75.5	63.5	67.9	67.2	65.6	49.6
126 Marengo Wind 1	22.6	33.9	31.5	25.3	36.3	27.7	14.8	24.5	28.1	50.3	42.3	45.3	44.8	43.8	33.1
127 Marengo Wind 2	11.3	17.0	15.8	12.7	18.1	13.8	7.39	12.2	14.1	25.2	21.2	22.6	22.4	21.9	16.5
128 Meadow Creek Wind	19.3	28.9	26.9	21.6	30.9	23.6	12.6	20.9	24.0	42.9	36.1	38.6	38.2	37.3	28.2
129 Five Pine Wind	6.42	9.63	8.95	7.19	10.3	7.86	4.20	6.95	7.99	14.3	12.0	12.9	12.7	12.4	9.39
130 North Point Wind	12.8	19.3	17.9	14.4	20.6	15.7	8.40	13.9	16.0	28.6	24.1	25.7	25.4	24.9	18.8
131 Milner Dam Wind Farm	3.14	4.71	4.38	3.52	5.04	3.84	2.05	3.40	3.91	6.99	5.88	6.29	6.22	6.08	4.59
132 Mountain Home Solar	10.00	10.00	9.00	8.00	7.00	3.00	3.00	4.00	5.00	6.00	6.00	7.00	9.00	9.00	6.68
133 Moyer-Tolles Solar Station	0.52	0.52	0.52	0.39	0.39	0.26	0.13	0.13	0.26	0.26	0.26	0.39	0.39	0.52	0.35
134 Murphy Flat Solar Power	8.00	8.00	8.00	6.00	5.00	2.00	2.00	2.00	4.00	5.00	5.00	7.00	7.00	8.00	5.35
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	21.0
136 Nine Canyon Wind	15.4	23.2	21.5	17.3	24.8	18.9	10.1	16.7	19.2	34.4	28.9	30.9	30.6	29.9	22.6
137 Nine Canyon Wind 1	7.75	11.6	10.8	8.68	12.4	9.48	5.07	8.39	9.64	17.3	14.5	15.5	15.4	15.0	11.3
138 Nine Canyon Wind 2	2.50	3.75	3.49	2.80	4.01	3.06	1.64	2.71	3.11	5.57	4.68	5.01	4.95	4.84	3.66
139 Nine Canyon Wind 3	5.19	7.78	7.23	5.81	8.33	6.35	3.39	5.62	6.46	11.5	9.72	10.4	10.3	10.0	7.59
140 Open Range Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
141 Orchard Ranch Solar	7.96	7.96	6.25	4.46	2.58	1.71	2.25	4.04	4.96	6.50	6.50	7.21	8.33	8.29	5.38
142 Oregon Trail Wind	2.17	3.26	3.03	2.43	3.49	2.66	1.42	2.35	2.71	4.84	4.07	4.35	4.31	4.21	3.18
143 Outback Solar	1.61	1.61	1.33	0.93	0.55	0.39	0.40	0.83	1.06	1.34	1.34	1.51	1.78	1.81	1.13
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	2.73
145 Palouse Wind	16.8	25.2	23.4	18.8	27.0	20.6	11.0	18.2	20.9	37.4	31.5	33.7	33.3	32.5	24.6
146 PaTu Wind	1.45	2.17	2.02	1.62	2.33	1.77	0.95	1.57	1.80	3.23	2.71	2.90	2.87	2.81	2.12
147 Paynes Ferry Wind Park	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
148 Pebble Springs Wind	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
149 Pepsi-Cola Solar	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
150 Pepsi-Cola Eugene Solar 1	0	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	0
152 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 Pilgrim Stage Station Wind Park	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
154 Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
155 Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
156 Power County Wind	7.24	10.9	10.1	8.11	11.6	8.86	4.74	7.84	9.02	16.1	13.6	14.5	14.4	14.0	10.6
157 Prospector Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
158 Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
159 Qualco Dairy Digester	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
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	8.64
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	8.64

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162 Raft River Geothermal 2	0	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	0
164 Railroad Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
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	0.86
166 Rattlesnake Road Wind Farm	16.6	24.8	23.1	18.6	26.6	20.3	10.8	17.9	20.6	36.9	31.0	33.2	32.8	32.1	24.2
167 River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
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	1.00
169 Rock River Wind	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
170 Rockland wind	12.7	19.1	17.8	14.3	20.5	15.6	8.34	13.8	15.9	28.4	23.9	25.5	25.3	24.7	18.6
171 Ryegrass Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
172 Salmon Falls Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
173 Sawtooth Wind	3.61	5.41	5.03	4.04	5.79	4.41	2.36	3.90	4.49	8.03	6.75	7.22	7.14	6.98	5.27
174 Shepherds Flat Wind	136	204	190	152	218	166	89.0	147	169	303	255	273	269	263	199
175 Shepherds Flat - Central (South Hurlburt)	46.7	70.0	65.1	52.3	74.9	57.1	30.5	50.5	58.1	104	87.4	93.5	92.5	90.4	68.3
176 Shepherds Flat - North (North Hurlburt)	42.7	64.0	59.5	47.8	68.5	52.2	27.9	46.2	53.1	95.0	79.9	85.5	84.5	82.6	62.4
177 Shepherds Flat - South (Horseshoe Bend)	46.7	70.0	65.1	52.3	74.9	57.1	30.5	50.5	58.1	104	87.4	93.5	92.5	90.4	68.3
178 Short Mountain	2.30	2.30	2.40	2.60	2.80	3.00	3.10	3.00	3.00	3.10	3.10	3.00	2.20	2.30	2.73
179 Simco Solar	7.98	7.98	6.28	4.50	2.61	1.73	2.27	4.09	4.97	6.10	6.10	7.24	8.34	8.30	5.37
180 Star Point Wind	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
181 Stateline Wind	48.3	72.5	67.4	54.1	77.6	59.1	31.6	52.3	60.2	108	90.5	96.9	95.8	93.6	70.7
182 Stateline-OR	19.5	29.2	27.2	21.8	31.3	23.8	12.8	21.1	24.3	43.4	36.5	39.0	38.6	37.7	28.5
183 Stateline-WA	28.9	43.3	40.2	32.3	46.3	35.3	18.9	31.2	35.9	64.2	54.0	57.8	57.2	55.9	42.2
184 Steel Bridge Solar	0.50	0.50	0.47	0.29	0.15	0.12	0.16	0.22	0.34	0.40	0.40	0.49	0.54	0.56	0.35
185 Stoltze Biomass	2.60	2.60	2.60	2.60	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.60	2.60	2.60	2.50
186 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0.68	1.03	0.95	0.77	1.10	0.84	0.45	0.74	0.85	1.52	1.28	1.37	1.36	1.33	1.00
188 Thousand Springs Wind Park	1.93	2.90	2.69	2.16	3.10	2.36	1.26	2.09	2.40	4.30	3.62	3.87	3.83	3.74	2.83
189 Threemile Canyon Wind	1.59	2.39	2.22	1.79	2.56	1.95	1.04	1.73	1.98	3.55	2.99	3.19	3.16	3.09	2.33
190 Thundereqq Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
191 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Gulch Wind	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
193 Tuana Springs Wind	2.70	4.06	3.77	3.03	4.34	3.31	1.77	2.93	3.37	6.02	5.07	5.42	5.36	5.24	3.96
194 Two Ponds Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.42
195 Vale Air Solar Center	1.00	1.00	1.00	1.00	0	0	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.75
196 Van Dyk's Holsteins	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
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	0.40
198 Vansycle Wind	20.0	29.9	27.8	22.4	32.0	24.4	13.1	21.6	24.8	44.4	37.4	40.0	39.5	38.7	29.2
199 Vansycle 1	4.04	6.06	5.63	4.53	6.49	4.94	2.64	4.37	5.03	8.99	7.57	8.10	8.00	7.82	5.91
200 Vansycle 2	15.9	23.9	22.2	17.8	25.6	19.5	10.4	17.2	19.8	35.4	29.8	31.9	31.5	30.8	23.3

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201 Vantage Wind	14.5	21.7	20.2	16.2	23.3	17.7	9.48	15.7	18.0	32.2	27.1	29.0	28.7	28.1	21.2
202 Wheat Field Wind	15.5	23.3	21.7	17.4	25.0	19.0	10.2	16.8	19.4	34.6	29.1	31.2	30.8	30.1	22.7
203 White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
204 White Creek Wind	32.2	48.3	44.9	36.1	51.7	39.4	21.1	34.9	40.1	71.7	60.3	64.5	63.8	62.3	47.1
205 Wild Horse Wind	44.0	65.9	61.3	49.2	70.5	53.8	28.8	47.6	54.7	97.8	82.3	88.0	87.0	85.1	64.3
206 Wild Horse Solar 1	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
207 Wild Horse Wind 1	36.8	55.2	51.3	41.2	59.1	45.0	24.1	39.8	45.8	81.9	68.9	73.7	72.9	71.3	53.8
208 Wild Horse Wind 2	7.08	10.6	9.87	7.93	11.4	8.67	4.63	7.67	8.82	15.8	13.3	14.2	14.0	13.7	10.4
209 Willow Creek Wind	11.6	17.4	16.2	13.0	18.6	14.2	7.58	12.5	14.4	25.8	21.7	23.2	23.0	22.4	17.0
210 Willow Spring Wind Farm	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
211 Windy Point Wind	64.2	96.3	89.5	71.9	103	78.5	42.0	69.5	79.9	143	120	129	127	124	93.9
212 Windy Point 1	22.0	33.0	30.6	24.6	35.3	26.9	14.4	23.8	27.4	48.9	41.2	44.1	43.6	42.6	32.2
213 Windy Point 2	32.6	48.9	45.4	36.5	52.3	39.9	21.3	35.3	40.6	72.5	61.0	65.3	64.5	63.1	47.7
214 Windy Point 2 - Phase 2	9.63	14.4	13.4	10.8	15.5	11.8	6.30	10.4	12.0	21.4	18.0	19.3	19.1	18.6	14.1
215 Wolverine Creek Wind	10.4	15.6	14.5	11.6	16.7	12.7	6.79	11.2	12.9	23.1	19.4	20.8	20.6	20.1	15.2
216 Yahoo Creek Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
217 Yamhill Solar	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
Total Renewable Resources															
218 Cooperative	18.5	22.9	22.0	19.5	23.4	19.6	15.0	18.7	20.3	28.7	25.7	27.1	26.9	26.5	22.2
219 Federal Entities	22.6	33.8	31.5	25.3	36.2	27.6	5.28	8.73	10.0	17.9	15.1	16.2	16.0	15.6	19.8
220 Investor Owned Utilities	912	1268	1183	974	1303	1014	593	920	1046	1758	1506	1598	1581	1577	1210
221 Marketer	146	219	204	164	235	184	108	178	205	367	309	330	326	319	231
222 Municipality	208	304	284	231	324	246	138	219	250	435	368	393	389	380	293
223 Other	7.76	11.4	10.6	8.50	12.0	9.12	4.87	7.97	9.28	16.4	13.8	14.9	14.7	14.5	10.9
224 Public Utility District	118	165	155	130	176	140	86.1	127	142	235	201	214	211	207	162
225 Total	1433	2025	1890	1551	2109	1639	950	1479	1682	2858	2439	2593	2564	2539	1949

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Renewable Resources															
1 3 Bar G Wind	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
2 American Falls Solar	16.0	16.0	14.0	12.0	8.00	4.00	2.00	4.00	6.00	10.00	10.00	12.0	14.0	16.0	9.85
3 American Falls Solar 1	8.00	8.00	7.00	6.00	4.00	2.00	1.00	2.00	3.00	5.00	5.00	6.00	7.00	8.00	4.92
4 American Falls Solar 2	8.00	8.00	7.00	6.00	4.00	2.00	1.00	2.00	3.00	5.00	5.00	6.00	7.00	8.00	4.92
5 Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
6 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0
10 Baldock Solar	0.31	0.31	0.25	0.18	0.09	0.06	0.10	0.13	0.21	0.25	0.25	0.32	0.32	0.35	0.21
11 Bannock County Landfill	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
12 Bellevue Solar (Amity, OR)	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.21
13 Bennett Creek Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
14 Benson Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
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	0.69
16 Big Horn Wind	40.2	60.2	56.0	45.0	64.5	49.1	26.3	43.5	50.0	89.4	75.2	80.5	79.6	77.8	58.7
17 Big Horn 1	32.1	48.2	44.8	36.0	51.5	39.3	21.0	34.8	40.0	71.5	60.1	64.3	63.6	62.2	46.9
18 Big Horn 2	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
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	1.06
20 Biglow Canyon Wind	72.4	109	101	81.1	116	88.6	47.4	78.4	90.1	161	136	145	143	140	106
21 Biglow Canyon 1	20.2	30.3	28.1	22.6	32.4	24.7	13.2	21.9	25.1	44.9	37.8	40.4	40.0	39.1	29.5
22 Biglow Canyon 2	24.1	36.1	33.5	27.0	38.6	29.4	15.7	26.1	30.0	53.6	45.1	48.2	47.7	46.6	35.2
23 Biglow Canyon 3	28.1	42.2	39.2	31.5	45.2	34.4	18.4	30.5	35.0	62.6	52.7	56.4	55.7	54.5	41.1
24 Black Cap Solar Project	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
25 Blue Basin Power	0.52	0.52	0.52	0.39	0.39	0.26	0.13	0.13	0.26	0.26	0.26	0.39	0.39	0.52	0.35
26 Boise City Solar	16.2	16.2	13.7	11.6	7.07	6.09	6.19	9.07	11.1	12.9	12.9	15.1	16.0	17.4	11.9
27 Burley Butte Wind	3.14	4.71	4.38	3.52	5.04	3.84	2.05	3.40	3.91	6.99	5.88	6.29	6.22	6.08	4.59
28 Camp Reed Wind	3.62	5.43	5.05	4.06	5.81	4.43	2.37	3.92	4.51	8.06	6.78	7.26	7.18	7.01	5.29
29 Cassia Farms Wind	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
30 Cassia Gulch Wind	3.04	4.56	4.24	3.41	4.88	3.72	1.99	3.29	3.79	6.77	5.70	6.10	6.03	5.89	4.45
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	1.16
32 Clark Community Solar	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
33 Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36
34 Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38
35 Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98
36 Cold Springs Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.41
37 Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
38 Combine Hills Wind	16.7	25.1	23.3	18.8	26.9	20.5	11.0	18.1	20.8	37.3	31.4	33.5	33.2	32.4	24.5
39 Combine Hills 2	10.1	15.2	14.1	11.4	16.3	12.4	6.64	11.0	12.6	22.6	19.0	20.3	20.1	19.6	14.8

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40 Combine Hills I	6.60	9.90	9.20	7.39	10.6	8.08	4.32	7.15	8.21	14.7	12.4	13.2	13.1	12.8	9.65
41 Condon Wind	8.02	12.0	11.2	8.98	12.9	9.81	5.25	8.68	9.98	17.8	15.0	16.1	15.9	15.5	11.7
42 Condon 1	3.96	5.94	5.52	4.44	6.36	4.85	2.59	4.29	4.93	8.82	7.42	7.93	7.84	7.67	5.79
43 Condon 2	4.06	6.08	5.65	4.54	6.51	4.96	2.65	4.39	5.05	9.03	7.60	8.13	8.04	7.85	5.93
44 Cowlitz Community Solar	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	0.09
45 Cowlitz Community Solar - Admin Building	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
46 Cowlitz Community Solar - Operations Building	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
47 Deep Creek Wind	0	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	1.20
49 Desert Meadow Windfarm	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.41
50 Domaine Drouhin Solar	0.02	0.02	0.02	0.01	0	0	0	0.01	0.01	0	0	0	0.01	0.01	0.01
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	1.00
52 Double B Digester	0	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	2.25
54 Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.20
55 Durbin Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
56 Echo Wind Farm	10.4	15.6	14.5	11.6	16.7	12.7	6.80	11.2	12.9	23.1	19.5	20.8	20.6	20.1	15.2
57 Echo Wind 1	7.17	10.8	10.00	8.03	11.5	8.77	4.69	7.76	8.93	16.0	13.4	14.4	14.2	13.9	10.5
58 Echo Wind 2	3.22	4.83	4.49	3.61	5.17	3.94	2.11	3.49	4.01	7.17	6.03	6.45	6.38	6.23	4.71
59 Edaleen Cow Power	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
60 Elkhorn Valley Wind Project	16.2	24.3	22.6	18.1	26.0	19.8	10.6	17.5	20.2	36.1	30.3	32.5	32.1	31.4	23.7
61 Farm Power Lynden	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
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	0.75
63 Farm Power Rexville	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
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	1.00
65 Fighting Creek Landfill	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
66 Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
67 Finn Hill Solar	0.07	0.07	0.06	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.06	0.07	0.05
68 Flathead County Landfill	1.33	1.33	1.33	1.33	1.23	1.24	1.24	1.28	1.24	1.33	1.33	1.33	1.33	1.33	1.29
69 Foote Creek 1 Wind	6.66	10.00	9.29	7.46	10.7	8.15	4.36	7.21	8.29	14.8	12.5	13.4	13.2	12.9	9.74
70 Foote Creek 2 Wind	0.29	0.44	0.40	0.33	0.47	0.36	0.19	0.31	0.36	0.65	0.54	0.58	0.57	0.56	0.42
71 Foote Creek 4 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Forest Glen Oaks Dairy	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
73 Fossil Gulch Wind Project	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
74 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Golden Valley Wind	1.93	2.90	2.69	2.16	3.10	2.36	1.26	2.09	2.40	4.30	3.62	3.87	3.83	3.74	2.82
76 Goodnoe Hills Wind	15.1	22.7	21.1	16.9	24.3	18.5	9.90	16.4	18.8	33.7	28.3	30.3	30.0	29.3	22.1
77 Goshen North (Ridgeline Wind)	20.0	30.1	27.9	22.4	32.2	24.5	13.1	21.7	24.9	44.6	37.5	40.2	39.7	38.8	29.3
78 Grayland Wind	0.97	1.45	1.35	1.08	1.55	1.18	0.63	1.05	1.20	2.15	1.81	1.94	1.91	1.87	1.41
79 Grove Solar Center	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	0	1.00	1.00	1.00	1.54

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
80 H.W. Hill Landfill Gas (Roosevelt	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
81 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 HW Hill Landfill Gas 2	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
83 Hammett Hill Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.41
84 Harvest Wind	15.9	23.9	22.2	17.8	25.6	19.5	10.4	17.2	19.8	35.4	29.8	31.9	31.5	30.8	23.3
85 Hay Canyon Wind	16.2	24.3	22.6	18.2	26.0	19.9	10.6	17.6	20.2	36.1	30.4	32.5	32.1	31.4	23.7
86 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
88 High Mesa Wind	6.42	9.63	8.95	7.19	10.3	7.86	4.20	6.95	7.99	14.3	12.0	12.9	12.7	12.4	9.39
89 Hopkins Ridge Wind	25.2	37.8	35.1	28.2	40.5	30.8	16.5	27.3	31.4	56.1	47.2	50.5	49.9	48.8	36.8
90 Hopkins Ridge 2	1.16	1.74	1.62	1.30	1.86	1.42	0.76	1.26	1.44	2.58	2.17	2.32	2.30	2.24	1.69
91 Hopkins Ridge I	24.0	36.1	33.5	26.9	38.6	29.4	15.7	26.0	29.9	53.5	45.0	48.2	47.6	46.6	35.1
92 Horse Butte Wind	9.27	13.9	12.9	10.4	14.9	11.3	6.07	10.0	11.5	20.6	17.4	18.6	18.4	18.0	13.6
93 Horseshoe Bend Wind Project	1.45	2.17	2.02	1.62	2.33	1.77	0.95	1.57	1.80	3.23	2.71	2.90	2.87	2.81	2.12
94 Hot Springs Wind	3.19	4.78	4.44	3.57	5.12	3.90	2.09	3.45	3.97	7.10	5.97	6.39	6.31	6.17	4.66
95 Hyline Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
96 Industrial Finishes Solar	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
97 JC-Biomethane	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
98 Jett Creek Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
99 Josef Stauer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Juniper Canyon Wind	24.3	36.5	33.9	27.3	39.1	29.8	15.9	26.3	30.3	54.2	45.6	48.8	48.2	47.1	35.6
101 Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	27.8	46.3	44.7
102 King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
103 Kittitas Valley Wind	16.2	24.3	22.6	18.2	26.0	19.9	10.6	17.6	20.2	36.1	30.4	32.5	32.1	31.4	23.7
104 Klondike Wind 1	3.86	5.80	5.39	4.33	6.20	4.73	2.53	4.18	4.81	8.60	7.24	7.74	7.65	7.48	5.65
105 Klondike Wind 2	12.1	18.1	16.8	13.5	19.4	14.8	7.90	13.1	15.0	26.9	22.6	24.2	23.9	23.4	17.6
106 Klondike Wind 3	36.0	54.0	50.2	40.4	57.8	44.0	23.6	39.0	44.8	80.1	67.4	72.1	71.3	69.7	52.6
107 Klondike Wind 3a	12.3	18.5	17.2	13.8	19.8	15.1	8.06	13.3	15.3	27.4	23.1	24.7	24.4	23.8	18.0
108 Knudson Wind	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
109 Lakeview Solar	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
110 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Lakeview Solar 500	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
112 Leaning Juniper Wind	48.6	72.9	67.7	54.4	78.0	59.4	31.8	52.6	60.5	108	91.0	97.3	96.2	94.1	71.0
113 Leaning Juniper 1	16.2	24.3	22.5	18.1	26.0	19.8	10.6	17.5	20.1	36.0	30.3	32.4	32.0	31.3	23.6
114 Leaning Juniper 2a	14.5	21.8	20.3	16.3	23.3	17.8	9.51	15.7	18.1	32.4	27.2	29.1	28.8	28.1	21.2
115 Leaning Juniper 2b	17.9	26.8	24.9	20.0	28.7	21.9	11.7	19.3	22.2	39.8	33.5	35.8	35.4	34.6	26.1
116 Lewandowski Farms Wind	0.11	0.10	0.08	0.08	0.08	0.06	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
117 Lime Wind	0.48	0.72	0.67	0.54	0.78	0.59	0.32	0.52	0.60	1.08	0.91	0.97	0.96	0.94	0.71
118 Linden Ranch Wind	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
119 Livingston Wind	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
120 Lower Snake Wind	98.1	147	137	110	157	120	64.2	106	122	218	184	197	194	190	143

Regional: Renewable Resources

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
121 Lower Snake Wind 1	55.2	82.7	76.9	61.8	88.5	67.5	36.1	59.7	68.7	123	103	111	109	107	80.6
122 Tucannon River Wind	42.9	64.4	59.9	48.1	68.9	52.5	28.1	46.5	53.5	95.6	80.4	86.0	85.1	83.2	62.8
123 LRI/Graham Landfill - BioFuels	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28
124 Mainline Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.41
125 Marengo Wind	33.9	50.8	47.3	38.0	54.4	41.5	22.2	36.7	42.2	75.5	63.5	67.9	67.2	65.6	49.5
126 Marengo Wind 1	22.6	33.9	31.5	25.3	36.3	27.7	14.8	24.5	28.1	50.3	42.3	45.3	44.8	43.8	33.0
127 Marengo Wind 2	11.3	17.0	15.8	12.7	18.1	13.8	7.39	12.2	14.1	25.2	21.2	22.6	22.4	21.9	16.5
128 Meadow Creek Wind	19.3	28.9	26.9	21.6	30.9	23.6	12.6	20.9	24.0	42.9	36.1	38.6	38.2	37.3	28.2
129 Five Pine Wind	6.42	9.63	8.95	7.19	10.3	7.86	4.20	6.95	7.99	14.3	12.0	12.9	12.7	12.4	9.39
130 North Point Wind	12.8	19.3	17.9	14.4	20.6	15.7	8.40	13.9	16.0	28.6	24.1	25.7	25.4	24.9	18.8
131 Milner Dam Wind Farm	3.14	4.71	4.38	3.52	5.04	3.84	2.05	3.40	3.91	6.99	5.88	6.29	6.22	6.08	4.59
132 Mountain Home Solar	10.00	10.00	9.00	8.00	7.00	3.00	3.00	4.00	5.00	6.00	6.00	7.00	9.00	9.00	6.67
133 Moyer-Tolles Solar Station	0.52	0.52	0.52	0.39	0.39	0.26	0.13	0.13	0.26	0.26	0.26	0.39	0.39	0.52	0.35
134 Murphy Flat Solar Power	8.00	8.00	8.00	6.00	5.00	2.00	2.00	2.00	4.00	5.00	5.00	7.00	7.00	8.00	5.34
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	21.0
136 Nine Canyon Wind	15.4	23.2	21.5	17.3	24.8	18.9	10.1	16.7	19.2	34.4	28.9	30.9	30.6	29.9	22.6
137 Nine Canyon Wind 1	7.75	11.6	10.8	8.68	12.4	9.48	5.07	8.39	9.64	17.3	14.5	15.5	15.4	15.0	11.3
138 Nine Canyon Wind 2	2.50	3.75	3.49	2.80	4.01	3.06	1.64	2.71	3.11	5.57	4.68	5.01	4.95	4.84	3.66
139 Nine Canyon Wind 3	5.19	7.78	7.23	5.81	8.33	6.35	3.39	5.62	6.46	11.5	9.72	10.4	10.3	10.0	7.58
140 Open Range Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
141 Orchard Ranch Solar	7.96	7.96	6.25	4.46	2.58	1.71	2.25	4.04	4.96	6.50	6.50	7.21	8.33	8.29	5.38
142 Oregon Trail Wind	2.17	3.26	3.03	2.43	3.49	2.66	1.42	2.35	2.71	4.84	4.07	4.35	4.31	4.21	3.18
143 Outback Solar	1.61	1.61	1.33	0.93	0.55	0.39	0.40	0.83	1.06	1.34	1.34	1.51	1.78	1.81	1.13
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	2.73
145 Palouse Wind	16.8	25.2	23.4	18.8	27.0	20.6	11.0	18.2	20.9	37.4	31.5	33.7	33.3	32.5	24.6
146 PaTu Wind	1.45	2.17	2.02	1.62	2.33	1.77	0.95	1.57	1.80	3.23	2.71	2.90	2.87	2.81	2.12
147 Paynes Ferry Wind Park	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
148 Pebble Springs Wind	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
149 Pepsi-Cola Solar	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
150 Pepsi-Cola Eugene Solar 1	0	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	0
152 Pepsi-Cola Solar Laeview	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 Pilgrim Stage Station Wind Park	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
154 Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
155 Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
156 Power County Wind	7.24	10.9	10.1	8.11	11.6	8.86	4.74	7.84	9.02	16.1	13.6	14.5	14.4	14.0	10.6
157 Prospector Wind	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
158 Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
159 Qualco Dairy Digester	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
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	8.64
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	8.64

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Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
162 Raft River Geothermal 2	0	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	0
164 Railroad Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
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	0.86
166 Rattlesnake Road Wind Farm	16.6	24.8	23.1	18.6	26.6	20.3	10.8	17.9	20.6	36.9	31.0	33.2	32.8	32.1	24.2
167 River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
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	1.00
169 Rock River Wind	8.05	12.1	11.2	9.01	12.9	9.85	5.27	8.71	10.0	17.9	15.1	16.1	15.9	15.6	11.8
170 Rockland wind	12.7	19.1	17.8	14.3	20.5	15.6	8.34	13.8	15.9	28.4	23.9	25.5	25.3	24.7	18.6
171 Ryegrass Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.41
172 Salmon Falls Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
173 Sawtooth Wind	3.61	5.41	5.03	4.04	5.79	4.41	2.36	3.90	4.49	8.03	6.75	7.22	7.14	6.98	5.27
174 Shepherds Flat Wind	136	204	190	152	218	166	89.0	147	169	303	255	273	269	263	199
175 Shepherds Flat - Central (South Hurlburt)	46.7	70.0	65.1	52.3	74.9	57.1	30.5	50.5	58.1	104	87.4	93.5	92.5	90.4	68.2
176 Shepherds Flat - North (North Hurlburt)	42.7	64.0	59.5	47.8	68.5	52.2	27.9	46.2	53.1	95.0	79.9	85.5	84.5	82.6	62.3
177 Shepherds Flat - South (Horseshoe Bend)	46.7	70.0	65.1	52.3	74.9	57.1	30.5	50.5	58.1	104	87.4	93.5	92.5	90.4	68.2
178 Short Mountain	2.30	2.30	2.40	2.60	2.80	3.00	3.10	3.00	3.00	3.10	3.10	3.00	2.20	2.30	2.73
179 Simco Solar	7.98	7.98	6.28	4.50	2.61	1.73	2.27	4.09	4.97	6.10	6.10	7.24	8.34	8.30	5.37
180 Star Point Wind	15.9	23.8	22.1	17.8	25.5	19.4	10.4	17.2	19.8	35.4	29.8	31.8	31.5	30.8	23.2
181 Stateline Wind	48.3	72.5	67.4	54.1	77.6	59.1	31.6	52.3	60.2	108	90.5	96.9	95.8	93.6	70.7
182 Stateline-OR	19.5	29.2	27.2	21.8	31.3	23.8	12.8	21.1	24.3	43.4	36.5	39.0	38.6	37.7	28.5
183 Stateline-WA	28.9	43.3	40.2	32.3	46.3	35.3	18.9	31.2	35.9	64.2	54.0	57.8	57.2	55.9	42.2
184 Steel Bridge Solar	0.50	0.50	0.47	0.29	0.15	0.12	0.16	0.22	0.34	0.40	0.40	0.49	0.54	0.56	0.35
185 Stoltze Biomass	2.60	2.60	2.60	2.60	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.60	2.60	2.60	2.50
186 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0.68	1.03	0.95	0.77	1.10	0.84	0.45	0.74	0.85	1.52	1.28	1.37	1.36	1.33	1.00
188 Thousand Springs Wind Park	1.93	2.90	2.69	2.16	3.10	2.36	1.26	2.09	2.40	4.30	3.62	3.87	3.83	3.74	2.82
189 Threemile Canyon Wind	1.59	2.39	2.22	1.79	2.56	1.95	1.04	1.73	1.98	3.55	2.99	3.19	3.16	3.09	2.33
190 Thundereqq Solar Center	4.00	4.00	4.00	3.00	3.00	2.00	1.00	1.00	2.00	3.00	3.00	3.00	4.00	4.00	2.84
191 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Gulch Wind	1.69	2.54	2.36	1.89	2.71	2.07	1.11	1.83	2.10	3.76	3.17	3.39	3.35	3.27	2.47
193 Tuana Springs Wind	2.70	4.06	3.77	3.03	4.34	3.31	1.77	2.93	3.37	6.02	5.07	5.42	5.36	5.24	3.95
194 Two Ponds Wind	3.70	5.55	5.16	4.15	5.94	4.53	2.42	4.01	4.61	8.24	6.94	7.42	7.33	7.17	5.41
195 Vale Air Solar Center	1.00	1.00	1.00	1.00	0	0	0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.75
196 Van Dyk's Holsteins	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
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	0.40
198 Vansycle Wind	20.0	29.9	27.8	22.4	32.0	24.4	13.1	21.6	24.8	44.4	37.4	40.0	39.5	38.7	29.2
199 Vansycle 1	4.04	6.06	5.63	4.53	6.49	4.94	2.64	4.37	5.03	8.99	7.57	8.10	8.00	7.82	5.91
200 Vansycle 2	15.9	23.9	22.2	17.8	25.6	19.5	10.4	17.2	19.8	35.4	29.8	31.9	31.5	30.8	23.3

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
201 Vantage Wind	14.5	21.7	20.2	16.2	23.3	17.7	9.48	15.7	18.0	32.2	27.1	29.0	28.7	28.1	21.2
202 Wheat Field Wind	15.5	23.3	21.7	17.4	25.0	19.0	10.2	16.8	19.4	34.6	29.1	31.2	30.8	30.1	22.7
203 White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
204 White Creek Wind	32.2	48.3	44.9	36.1	51.7	39.4	21.1	34.9	40.1	71.7	60.3	64.5	54.8	53.6	45.6
205 Wild Horse Wind	44.0	65.9	61.3	49.2	70.5	53.8	28.8	47.6	54.7	97.8	82.3	88.0	87.0	85.1	64.2
206 Wild Horse Solar 1	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
207 Wild Horse Wind 1	36.8	55.2	51.3	41.2	59.1	45.0	24.1	39.8	45.8	81.9	68.9	73.7	72.9	71.3	53.8
208 Wild Horse Wind 2	7.08	10.6	9.87	7.93	11.4	8.67	4.63	7.67	8.82	15.8	13.3	14.2	14.0	13.7	10.4
209 Willow Creek Wind	11.6	17.4	16.2	13.0	18.6	14.2	7.58	12.5	14.4	25.8	21.7	23.2	23.0	22.4	16.9
210 Willow Spring Wind Farm	1.61	2.41	2.24	1.80	2.58	1.97	1.05	1.74	2.00	3.58	3.02	3.23	3.19	3.12	2.35
211 Windy Point Wind	64.2	96.3	89.5	71.9	103	78.5	42.0	69.5	79.9	143	120	129	127	124	93.8
212 Windy Point 1	22.0	33.0	30.6	24.6	35.3	26.9	14.4	23.8	27.4	48.9	41.2	44.1	43.6	42.6	32.1
213 Windy Point 2	32.6	48.9	45.4	36.5	52.3	39.9	21.3	35.3	40.6	72.5	61.0	65.3	64.5	63.1	47.6
214 Windy Point 2 - Phase 2	9.63	14.4	13.4	10.8	15.5	11.8	6.30	10.4	12.0	21.4	18.0	19.3	19.1	18.6	14.1
215 Wolverine Creek Wind	10.4	15.6	14.5	11.6	16.7	12.7	6.79	11.2	12.9	23.1	19.4	20.8	20.6	20.1	15.2
216 Yahoo Creek Wind	3.38	5.07	4.71	3.79	5.43	4.14	2.21	3.66	4.21	7.53	6.33	6.77	6.70	6.55	4.94
217 Yamhill Solar	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
Total Renewable Resources															
218 Cooperative	18.5	22.9	22.0	19.5	23.4	19.6	15.0	18.7	20.3	28.7	25.7	27.1	26.9	26.5	22.2
219 Federal Entities	8.06	12.1	11.2	1.45	0	0	0	0	0	0	0	0	0	0	1.90
220 Investor Owned Utilities	912	1268	1183	974	1303	1004	587	911	1035	1740	1491	1594	1570	1561	1202
221 Marketer	165	247	230	192	277	226	121	200	230	411	346	370	366	358	263
222 Municipality	204	298	278	226	318	241	136	215	245	426	361	385	381	373	287
223 Other	7.76	11.4	10.6	8.50	12.0	9.12	4.87	7.97	9.28	16.4	13.8	14.9	14.7	14.5	10.9
224 Public Utility District	118	165	155	130	176	140	86.1	127	142	235	201	214	202	198	161
225 Total	1433	2025	1890	1551	2109	1639	950	1479	1682	2857	2439	2605	2560	2530	1947

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Exhibit 31
Regional Cogeneration Resources

Monthly Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Cogeneration Resources															
1 Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.4	14.9	14.4	14.4	14.9	14.4	14.9	14.6
2 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Coqen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
4 Coqen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.38	5.95	7.20	0	5.95	5.76	5.95	5.67
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228
7 Coyote Springs 2	275	275	280	288	303	313	312	306	294	287	287	263	260	268	287
8 Evergreen Biopower Coqen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9 Ferndale Cogeneration Station	238	238	241	245	250	253	253	251	249	247	247	0	241	238	225
10 Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
11 Georgia-Pacific Paper (Camas)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
12 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
13 Hampton Lumber Mill (Darrington)	1.90	1.90	2.00	2.40	2.50	2.50	2.40	2.50	2.60	2.20	2.20	1.00	0.80	1.60	2.03
14 Hermiston Generation Project	435	435	404	420	458	465	426	460	454	44.8	0	402	408	431	399
15 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
16 Intenational Paper Energy Cente	18.1	18.1	13.1	19.4	19.1	21.6	21.0	19.9	20.4	15.0	15.0	10.0	7.00	16.1	16.7
17 Intenational Paper Energy Center 2	6.96	6.96	5.04	7.46	7.35	8.31	8.08	7.65	7.85	5.77	5.77	3.85	2.69	6.19	6.44
18 Intenational Paper Energy Center 1	11.1	11.1	8.06	11.9	11.8	13.3	12.9	12.2	12.6	9.23	9.23	6.15	4.31	9.91	10.3
19 InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
20 Lakeview Biomass	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
21 Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
22 Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
25 Metro West Point	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
26 Nippon Paper Coqen (Port Angel)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
27 Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
28 Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
29 Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
30 Potlatch	64.4	64.4	57.8	58.2	64.4	64.0	62.7	62.0	54.7	57.4	57.4	62.7	56.7	62.8	60.6
31 Potlatch NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
32 Potlatch Wood Waste 1	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
33 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
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	1.00
35 Seneca Sawmill Coqen	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
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	5.00
37 Sierra Pacific - Burlington	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	8.18
39 Sumas	125	125	126	129	131	132	133	131	130	129	0	128	126	125	123
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	4.95
41 Tacoma Biomass (WestRock)	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
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	3.91
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	0.06
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	0.10
45 Thompson River Co-Gen	0	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	0
47 Wah Chang Cogen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
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	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	19.2
50 Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
51 Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
52 Weyerhaeuser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7
Total Cogeneration Resources															
53 Cooperative	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94
54 Direct Service Industry	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
55 Investor Owned Utilities	1565	1565	1535	1567	1632	1654	1612	1635	1608	1190	1009	1279	1512	1550	1521
56 Marketer	725	725	722	723	728	730	731	729	103	721	721	714	718	726	672
57 Municipality	101	101	98.4	100	107	111	113	111	103	100	100	90.6	93.6	105	103
58 Other	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
59 Public Utility District	13.1	13.1	14.2	16.6	17.3	18.8	19.4	19.0	19.1	18.2	18.2	15.5	12.9	15.7	16.6
60 Total	2466	2466	2432	2468	2545	2575	2533	2555	1889	2090	1909	2161	2396	2459	2372

Regional: Cogeneration Resources
Operating Year 2020
2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Cogeneration Resources															
1 Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.9	14.9	14.4	14.4	14.9	14.4	14.9	14.7
2 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Coqen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
4 Coqen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.57	5.95	7.20	0	5.95	5.76	5.95	5.68
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.5	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228
7 Coyote Springs 2	275	275	280	288	303	313	312	306	294	287	287	263	260	268	287
8 Evergreen Biopower Coqen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9 Ferndale Cogeneration Station	238	238	241	245	250	253	253	251	249	247	247	0	241	238	225
10 Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
11 Georgia-Pacific Paper (Camas)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	6.80	10.00	10.00	9.73
12 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
13 Hampton Lumber Mill (Darrington)	1.90	1.90	2.00	2.40	2.50	2.50	2.40	2.50	2.60	2.20	2.20	1.00	0.80	1.60	2.03
14 Hermiston Generation Project	436	436	442	413	421	467	429	461	337	418	0	395	406	399	401
15 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
16 International Paper Energy Center	18.1	18.1	13.1	19.4	19.1	21.6	21.0	19.9	20.4	12.0	12.0	9.10	7.00	16.1	16.4
17 International Paper Energy Center 2	6.96	6.96	5.04	7.46	7.35	8.31	8.08	7.65	7.85	4.62	4.62	3.50	2.69	6.19	6.32
18 International Paper Energy Center 1	11.1	11.1	8.06	11.9	11.8	13.3	12.9	12.2	12.6	7.38	7.38	5.60	4.31	9.91	10.1
19 InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
20 Lakeview Biomass	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
21 Longview Fibre Paper & Packaging	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
22 Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
25 Metro West Point	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
26 Nippon Paper Coqen (Port Angel)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
27 Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
28 Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
29 Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
30 Potlatch	64.4	64.4	57.8	58.2	64.4	64.0	62.7	62.0	54.7	57.4	57.4	62.7	56.7	62.8	60.6
31 Potlatch NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
32 Potlatch Wood Waste 1	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
33 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
34 SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35 Seneca Sawmill Coqen	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
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	5.00
37 Sierra Pacific - Burlington	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0

Regional: Cogeneration Resources

Operating Year 2020

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	8.18
39 Sumas	125	125	126	129	131	132	133	131	130	129	0	128	126	125	123
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	4.95
41 Tacoma Biomass (WestRock)	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
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	3.91
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	0.06
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	0.10
45 Thompson River Co-Gen	0	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	0
47 Wah Chang Cogen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
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	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	19.2
50 Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
51 Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
52 Weyerhaeuser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7
Total Cogeneration Resources															
53 Cooperative	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94
54 Direct Service Industry	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
55 Investor Owned Utilities	1565	1565	1573	1561	1595	1655	1615	1637	1491	1563	1009	1269	1510	1518	1523
56 Marketer	725	725	722	733	737	741	741	739	113	725	725	718	721	735	678
57 Municipality	101	101	98.4	90.6	97.5	101	102	101	92.3	92.6	92.6	85.6	90.1	97.1	95.7
58 Other	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
59 Public Utility District	13.1	13.1	14.2	16.6	17.3	18.8	19.4	19.0	19.1	18.2	18.2	15.5	12.9	15.7	16.6
60 Total	2467	2467	2470	2461	2508	2576	2536	2555	1772	2460	1906	2150	2394	2427	2374

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Cogeneration Resources															
1 Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.4	14.9	14.4	14.4	14.9	14.4	14.9	14.6
2 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Coqen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
4 Coqen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.38	5.95	7.20	0	5.95	5.76	5.95	5.67
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228
7 Coyote Springs 2	275	275	280	288	303	313	312	306	294	287	287	263	260	268	287
8 Evergreen Biopower Coqen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9 Ferndale Cogeneration Station	238	238	241	245	250	253	253	251	249	247	247	0	241	238	225
10 Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
11 Georgia-Pacific Paper (Camas)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
12 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
13 Hampton Lumber Mill (Darrington)	1.90	1.90	2.00	2.40	2.50	2.50	2.40	2.50	2.60	2.20	2.20	1.00	0.80	1.60	2.03
14 Hermiston Generation Project	436	436	442	413	458	466	427	461	335	412	0	412	409	431	408
15 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
16 Intenational Paper Energy Cente	18.1	18.1	13.1	19.4	19.1	21.6	21.0	19.9	20.4	11.9	11.9	9.10	7.00	16.1	16.4
17 Intenational Paper Energy Center 2	6.96	6.96	5.04	7.46	7.35	8.31	8.08	7.65	7.85	4.58	4.58	3.50	2.69	6.19	6.31
18 Intenational Paper Energy Center 1	11.1	11.1	8.06	11.9	11.8	13.3	12.9	12.2	12.6	7.32	7.32	5.60	4.31	9.91	10.1
19 InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
20 Lakeview Biomass	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
21 Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
22 Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
25 Metro West Point	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
26 Nippon Paper Coqen (Port Anqel)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
27 Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
28 Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
29 Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
30 Potlatch	64.4	64.4	57.8	58.2	64.4	64.0	62.7	62.0	54.7	57.4	57.4	62.7	56.7	62.8	60.6
31 Potlach NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
32 Potlach Wood Waste 1	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
33 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
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	1.00
35 Seneca Sawmill Coqen	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
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	5.00
37 Sierra Pacific - Burlington	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0

Regional: Cogeneration Resources

Operating Year 2021

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	8.18
39 Sumas	125	125	126	129	131	132	133	131	130	129	0	128	126	125	123
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	4.95
41 Tacoma Biomass (WestRock)	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
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	3.91
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	0.06
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	0.10
45 Thompson River Co-Gen	0	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	0
47 Wah Chang Cogen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
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	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	19.2
50 Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
51 Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
52 Weyerhaeuser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7
Total Cogeneration Resources															
53 Cooperative	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94
54 Direct Service Industry	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	48.7	52.7	37.3
55 Investor Owned Utilities	1565	1565	1573	1561	1633	1655	1613	1636	1489	1557	1009	1289	1513	1551	1530
56 Marketer	734	734	729	733	737	741	741	739	113	725	725	718	721	735	680
57 Municipality	91.6	91.6	91.8	90.6	97.5	101	102	101	92.3	92.6	92.6	85.6	83.0	88.1	93.0
58 Other	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
59 Public Utility District	13.1	13.1	14.2	16.6	17.3	18.8	19.4	19.0	19.1	18.2	18.2	15.5	5.80	6.60	15.3
60 Total	2467	2467	2470	2461	2546	2576	2534	2556	1770	2454	1906	2170	2397	2460	2381

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Cogeneration Resources															
1 Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.4	14.9	14.4	14.4	14.9	14.4	14.9	14.6
2 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Coqen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
4 Coqen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.38	5.95	7.20	0	5.95	5.76	5.95	5.67
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228
7 Coyote Springs 2	275	275	280	288	303	313	312	306	294	287	287	263	260	268	287
8 Evergreen Biopower Coqen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9 Ferndale Cogeneration Station	238	238	241	245	250	253	253	251	249	247	247	0	241	238	225
10 Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
11 Georgia-Pacific Paper (Camas)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	6.80	10.00	10.00	9.73
12 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
13 Hampton Lumber Mill (Darrington)	1.90	1.90	2.00	2.40	2.50	2.50	2.40	2.50	2.60	2.20	2.20	1.00	0.80	1.60	2.03
14 Hermiston Generation Project	435	435	404	420	458	465	426	460	454	44.8	0	402	408	431	399
15 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
16 Intenational Paper Energy Cente	18.1	18.1	13.1	19.4	19.1	21.6	21.0	19.9	20.4	11.9	11.9	9.10	7.00	16.1	16.4
17 Intenational Paper Energy Center 2	6.96	6.96	5.04	7.46	7.35	8.31	8.08	7.65	7.85	4.58	4.58	3.50	2.69	6.19	6.31
18 Intenational Paper Energy Center 1	11.1	11.1	8.06	11.9	11.8	13.3	12.9	12.2	12.6	7.32	7.32	5.60	4.31	9.91	10.1
19 InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
20 Lakeview Biomass	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
21 Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
22 Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
25 Metro West Point	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
26 Nippon Paper Coqen (Port Angel)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
27 Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
28 Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
29 Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
30 Potlatch	64.4	64.4	57.8	58.2	64.4	64.0	62.7	62.0	54.7	57.4	57.4	62.7	56.7	62.8	60.6
31 Potlatch NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
32 Potlatch Wood Waste 1	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
33 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
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	1.00
35 Seneca Sawmill Coqen	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
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	5.00
37 Sierra Pacific - Burlington	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0

Regional: Cogeneration Resources

Operating Year 2022

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	8.18
39 Sumas	125	125	126	129	131	132	133	131	130	129	0	128	126	125	123
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	4.95
41 Tacoma Biomass (WestRock)	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
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	3.91
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	0.06
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	0.10
45 Thompson River Co-Gen	0	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	0
47 Wah Chang Cogen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
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	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	19.2
50 Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
51 Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
52 Weyerhaeuser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7
Total Cogeneration Resources															
53 Cooperative	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94
54 Direct Service Industry	47.0	47.0	49.0	52.9	54.1	57.2	58.5	57.6	57.5	56.5	56.5	53.6	48.7	52.7	53.8
55 Investor Owned Utilities	1565	1565	1535	1567	1632	1654	1612	1635	1608	1190	1009	1276	1512	1550	1520
56 Marketer	779	779	773	773	784	790	791	788	154	766	766	753	764	782	724
57 Municipality	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
58 Other	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
59 Public Utility District	6.90	6.90	7.00	7.40	7.50	7.50	7.40	7.50	7.60	7.20	7.20	6.00	5.80	6.60	7.03
60 Total	2466	2466	2432	2468	2545	2575	2533	2555	1889	2087	1906	2157	2396	2459	2371

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Cogeneration Resources															
1 Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.4	14.9	14.4	14.4	14.9	14.4	14.9	14.6
2 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Coqen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
4 Coqen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.38	5.95	7.20	0	5.95	5.76	5.95	5.67
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228
7 Coyote Springs 2	275	275	280	288	303	313	312	306	294	287	287	263	260	268	287
8 Evergreen Biopower Cogon	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9 Ferndale Cogeneration Station	238	238	241	245	250	253	253	251	249	247	247	0	241	238	225
10 Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
11 Georgia-Pacific Paper (Camas)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
12 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
13 Hampton Lumber Mill (Darrington)	1.90	1.90	2.00	2.40	2.50	2.50	2.40	2.50	2.60	2.20	2.20	1.00	0.80	1.60	2.03
14 Hermiston Generation Project	436	436	442	413	421	467	429	461	337	418	0	395	406	399	401
15 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
16 Intenational Paper Energy Cente	18.1	18.1	13.1	19.4	19.1	21.6	21.0	19.9	20.4	15.0	15.0	9.10	7.00	16.1	16.7
17 Intenational Paper Energy Center 2	6.96	6.96	5.04	7.46	7.35	8.31	8.08	7.65	7.85	5.77	5.77	3.50	2.69	6.19	6.41
18 Intenational Paper Energy Center 1	11.1	11.1	8.06	11.9	11.8	13.3	12.9	12.2	12.6	9.23	9.23	5.60	4.31	9.91	10.3
19 InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
20 Lakeview Biomass	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
21 Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
22 Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
25 Metro West Point	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
26 Nippon Paper Cogon (Port Angel)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
27 Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
28 Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
29 Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
30 Potlatch	64.4	64.4	57.8	58.2	64.4	64.0	62.7	62.0	54.7	57.4	57.4	62.7	56.7	62.8	60.6
31 Potlatch NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
32 Potlatch Wood Waste 1	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
33 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
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	1.00
35 Seneca Sawmill Cogon	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
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	5.00
37 Sierra Pacific - Burlington	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0

Regional: Cogeneration Resources

Operating Year 2023

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	8.18
39 Sumas	125	125	126	129	131	132	133	131	130	129	0	128	126	125	123
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	4.95
41 Tacoma Biomass (WestRock)	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
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	3.91
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	0.06
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	0.10
45 Thompson River Co-Gen	0	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	0
47 Wah Chang Cogen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
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	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	19.2
50 Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
51 Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
52 Weyerhaeuser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7
Total Cogeneration Resources															
53 Cooperative	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94
54 Direct Service Industry	47.0	47.0	49.0	52.9	54.1	57.2	58.5	57.6	57.5	56.5	56.5	53.6	48.7	52.7	53.8
55 Investor Owned Utilities	1565	1565	1573	1561	1595	1655	1615	1636	1491	1563	1009	1272	1510	1518	1523
56 Marketer	779	779	773	773	784	790	791	788	154	769	769	753	764	782	724
57 Municipality	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
58 Other	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
59 Public Utility District	6.90	6.90	7.00	7.40	7.50	7.50	7.40	7.50	7.60	7.20	7.20	6.00	5.80	6.60	7.03
60 Total	2467	2467	2470	2461	2508	2576	2536	2555	1772	2463	1909	2153	2394	2427	2374

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Cogeneration Resources															
1 Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.9	14.9	14.4	14.4	14.9	14.4	14.9	14.7
2 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Coqen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
4 Coqen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.57	5.95	7.20	0	5.95	5.76	5.95	5.68
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.5	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228
7 Coyote Springs 2	275	275	280	288	303	313	312	306	294	287	287	263	260	268	287
8 Evergreen Biopower Coqen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9 Ferndale Cogeneration Station	238	238	241	245	250	253	253	251	249	247	247	0	241	238	225
10 Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
11 Georgia-Pacific Paper (Camas)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	6.80	10.00	10.00	9.73
12 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
13 Hampton Lumber Mill (Darrington)	1.90	1.90	2.00	2.40	2.50	2.50	2.40	2.50	2.60	2.20	2.20	1.00	0.80	1.60	2.03
14 Hermiston Generation Project	436	436	442	413	458	466	427	461	335	412	0	412	409	431	408
15 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
16 Intenational Paper Energy Cente	18.1	18.1	13.1	19.4	19.1	21.6	21.0	19.9	20.4	15.0	15.0	10.0	7.00	16.1	16.7
17 Intenational Paper Energy Center 2	6.96	6.96	5.04	7.46	7.35	8.31	8.08	7.65	7.85	5.77	5.77	3.85	2.69	6.19	6.44
18 Intenational Paper Energy Center 1	11.1	11.1	8.06	11.9	11.8	13.3	12.9	12.2	12.6	9.23	9.23	6.15	4.31	9.91	10.3
19 InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
20 Lakeview Biomass	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
21 Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
22 Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
25 Metro West Point	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
26 Nippon Paper Coqen (Port Anqel)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
27 Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
28 Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
29 Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
30 Potlatch	64.4	64.4	57.8	58.2	64.4	64.0	62.7	62.0	54.7	57.4	57.4	62.7	56.7	62.8	60.6
31 Potlach NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
32 Potlach Wood Waste 1	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
33 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
34 SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35 Seneca Sawmill Coqen	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
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	5.00
37 Sierra Pacific - Burlington	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0

Regional: Cogeneration Resources

Operating Year 2024

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	8.18
39 Sumas	125	125	126	129	131	132	133	131	130	129	0	128	126	125	123
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	4.95
41 Tacoma Biomass (WestRock)	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
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	3.91
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	0.06
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	0.10
45 Thompson River Co-Gen	0	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	0
47 Wah Chang Cogen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
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	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	19.2
50 Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
51 Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
52 Weyerhaeuser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7
Total Cogeneration Resources															
53 Cooperative	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94
54 Direct Service Industry	47.0	47.0	49.0	52.9	54.1	57.2	58.5	57.6	57.5	56.5	56.5	53.6	48.7	52.7	53.8
55 Investor Owned Utilities	1565	1565	1573	1561	1633	1655	1613	1637	1489	1557	1009	1285	1513	1551	1530
56 Marketer	779	779	773	773	784	790	791	788	154	769	769	754	764	782	724
57 Municipality	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
58 Other	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
59 Public Utility District	6.90	6.90	7.00	7.40	7.50	7.50	7.40	7.50	7.60	7.20	7.20	6.00	5.80	6.60	7.03
60 Total	2467	2467	2470	2461	2546	2576	2534	2556	1770	2457	1909	2167	2397	2460	2381

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Cogeneration Resources															
1 Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.4	14.9	14.4	14.4	14.9	14.4	14.9	14.6
2 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Coqen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
4 Coqen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.38	5.95	7.20	0	5.95	5.76	5.95	5.67
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228
7 Coyote Springs 2	275	275	280	288	303	313	312	306	294	287	287	263	260	268	287
8 Evergreen Biopower Coqen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9 Ferndale Cogeneration Station	238	238	241	245	250	253	253	251	249	247	247	0	241	238	225
10 Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
11 Georgia-Pacific Paper (Camas)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
12 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
13 Hampton Lumber Mill (Darrington)	1.90	1.90	2.00	2.40	2.50	2.50	2.40	2.50	2.60	2.20	2.20	1.00	0.80	1.60	2.03
14 Hermiston Generation Project	435	435	404	420	458	465	426	460	454	44.8	0	402	408	431	399
15 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
16 Intenational Paper Energy Cente	18.1	18.1	13.1	19.4	19.1	21.6	21.0	19.9	20.4	12.0	12.0	9.10	7.00	16.1	16.4
17 Intenational Paper Energy Center 2	6.96	6.96	5.04	7.46	7.35	8.31	8.08	7.65	7.85	4.62	4.62	3.50	2.69	6.19	6.31
18 Intenational Paper Energy Center 1	11.1	11.1	8.06	11.9	11.8	13.3	12.9	12.2	12.6	7.38	7.38	5.60	4.31	9.91	10.1
19 InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
20 Lakeview Biomass	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
21 Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
22 Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
25 Metro West Point	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
26 Nippon Paper Coqen (Port Anqel)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
27 Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
28 Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
29 Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
30 Potlatch	64.4	64.4	57.8	58.2	64.4	64.0	62.7	62.0	54.7	57.4	57.4	62.7	56.7	62.8	60.6
31 Potlatch NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
32 Potlatch Wood Waste 1	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
33 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
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	1.00
35 Seneca Sawmill Coqen	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
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	5.00
37 Sierra Pacific - Burlington	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0

Regional: Cogeneration Resources

Operating Year 2025

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	8.18
39 Sumas	125	125	126	129	131	132	133	131	130	129	0	128	126	125	123
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	4.95
41 Tacoma Biomass (WestRock)	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
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	3.91
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	0.06
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	0.10
45 Thompson River Co-Gen	0	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	0
47 Wah Chang Cogen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
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	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	19.2
50 Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
51 Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
52 Weyerhaeuser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7
Total Cogeneration Resources															
53 Cooperative	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94
54 Direct Service Industry	47.0	47.0	49.0	52.9	54.1	57.2	58.5	57.6	57.5	56.5	56.5	53.6	48.7	52.7	53.8
55 Investor Owned Utilities	1565	1565	1535	1567	1632	1654	1612	1635	1608	1190	1009	1279	1512	1550	1521
56 Marketer	779	779	773	773	784	790	791	788	154	766	766	753	764	782	724
57 Municipality	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
58 Other	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
59 Public Utility District	6.90	6.90	7.00	7.40	7.50	7.50	7.40	7.50	7.60	7.20	7.20	6.00	5.80	6.60	7.03
60 Total	2466	2466	2432	2468	2545	2575	2533	2555	1889	2087	1906	2160	2396	2459	2372

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Cogeneration Resources															
1 Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.4	14.9	14.4	14.4	14.9	14.4	14.9	14.6
2 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Coqen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
4 Coqen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.38	5.95	7.20	0	5.95	5.76	5.95	5.67
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228
7 Coyote Springs 2	275	275	280	288	303	313	312	306	294	287	287	263	260	268	287
8 Evergreen Biopower Coqen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9 Ferndale Cogeneration Station	238	238	241	245	250	253	253	251	249	247	247	0	241	238	225
10 Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
11 Georgia-Pacific Paper (Camas)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	6.80	10.00	10.00	9.73
12 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
13 Hampton Lumber Mill (Darrington)	1.90	1.90	2.00	2.40	2.50	2.50	2.40	2.50	2.60	2.20	2.20	1.00	0.80	1.60	2.03
14 Hermiston Generation Project	436	436	442	413	421	467	429	461	337	418	0	395	406	399	401
15 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
16 Intenational Paper Energy Cente	18.1	18.1	13.1	19.4	19.1	21.6	21.0	19.9	20.4	11.9	11.9	9.10	7.00	16.1	16.4
17 Intenational Paper Energy Center 2	6.96	6.96	5.04	7.46	7.35	8.31	8.08	7.65	7.85	4.58	4.58	3.50	2.69	6.19	6.31
18 Intenational Paper Energy Center 1	11.1	11.1	8.06	11.9	11.8	13.3	12.9	12.2	12.6	7.32	7.32	5.60	4.31	9.91	10.1
19 InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
20 Lakeview Biomass	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
21 Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
22 Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
25 Metro West Point	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
26 Nippon Paper Coqen (Port Angel)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
27 Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
28 Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
29 Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
30 Potlatch	64.4	64.4	57.8	58.2	64.4	64.0	62.7	62.0	54.7	57.4	57.4	62.7	56.7	62.8	60.6
31 Potlatch NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
32 Potlatch Wood Waste 1	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
33 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
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	1.00
35 Seneca Sawmill Coqen	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
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	5.00
37 Sierra Pacific - Burlington	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0

Regional: Cogeneration Resources

Operating Year 2026

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	8.18
39 Sumas	125	125	126	129	131	132	133	131	130	129	0	128	126	125	123
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	4.95
41 Tacoma Biomass (WestRock)	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
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	3.91
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	0.06
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	0.10
45 Thompson River Co-Gen	0	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	0
47 Wah Chang Cogen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
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	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	19.2
50 Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
51 Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
52 Weyerhaeuser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7
Total Cogeneration Resources															
53 Cooperative	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94
54 Direct Service Industry	47.0	47.0	49.0	52.9	54.1	57.2	58.5	57.6	57.5	56.5	56.5	53.6	48.7	52.7	53.8
55 Investor Owned Utilities	1565	1565	1573	1561	1595	1655	1615	1636	1491	1563	1009	1269	1510	1518	1522
56 Marketer	779	779	773	773	784	790	791	788	154	766	766	753	764	782	724
57 Municipality	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
58 Other	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
59 Public Utility District	6.90	6.90	7.00	7.40	7.50	7.50	7.40	7.50	7.60	7.20	7.20	6.00	5.80	6.60	7.03
60 Total	2467	2467	2470	2461	2508	2576	2536	2555	1772	2460	1906	2150	2394	2427	2373

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Cogeneration Resources															
1 Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.4	14.9	14.4	14.4	14.9	14.4	14.9	14.6
2 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Coqen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
4 Coqen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.38	5.95	7.20	0	5.95	5.76	5.95	5.67
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228
7 Coyote Springs 2	275	275	280	288	303	313	312	306	294	287	287	263	260	268	287
8 Evergreen Biopower Coqen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9 Ferndale Cogeneration Station	238	238	241	245	250	253	253	251	249	247	247	0	241	238	225
10 Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
11 Georgia-Pacific Paper (Camas)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
12 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
13 Hampton Lumber Mill (Darrington)	1.90	1.90	2.00	2.40	2.50	2.50	2.40	2.50	2.60	2.20	2.20	1.00	0.80	1.60	2.03
14 Hermiston Generation Project	436	436	442	413	458	466	427	461	335	412	0	412	409	431	408
15 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
16 Intenational Paper Energy Cente	18.1	18.1	13.1	19.4	19.1	21.6	21.0	19.9	20.4	11.9	11.9	9.10	7.00	16.1	16.4
17 Intenational Paper Energy Center 2	6.96	6.96	5.04	7.46	7.35	8.31	8.08	7.65	7.85	4.58	4.58	3.50	2.69	6.19	6.31
18 Intenational Paper Energy Center 1	11.1	11.1	8.06	11.9	11.8	13.3	12.9	12.2	12.6	7.32	7.32	5.60	4.31	9.91	10.1
19 InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
20 Lakeview Biomass	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
21 Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
22 Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
25 Metro West Point	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
26 Nippon Paper Coqen (Port Angel)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
27 Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
28 Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
29 Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
30 Potlatch	64.4	64.4	57.8	58.2	64.4	64.0	62.7	62.0	54.7	57.4	57.4	62.7	56.7	62.8	60.6
31 Potlatch NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
32 Potlatch Wood Waste 1	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
33 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
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	1.00
35 Seneca Sawmill Coqen	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
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	5.00
37 Sierra Pacific - Burlington	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0

Regional: Cogeneration Resources

Operating Year 2027

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	8.18
39 Sumas	125	125	126	129	131	132	133	131	130	129	0	128	126	125	123
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	4.95
41 Tacoma Biomass (WestRock)	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
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	3.91
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	0.06
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	0.10
45 Thompson River Co-Gen	0	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	0
47 Wah Chang Cogen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
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	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	19.2
50 Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
51 Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
52 Weyerhaeuser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7
Total Cogeneration Resources															
53 Cooperative	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94
54 Direct Service Industry	47.0	47.0	49.0	52.9	54.1	57.2	58.5	57.6	57.5	56.5	56.5	53.6	48.7	52.7	53.8
55 Investor Owned Utilities	1565	1565	1573	1561	1633	1655	1613	1636	1489	1557	1009	1289	1513	1551	1530
56 Marketer	779	779	773	773	784	790	791	788	154	766	766	753	764	782	724
57 Municipality	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
58 Other	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
59 Public Utility District	6.90	6.90	7.00	7.40	7.50	7.50	7.40	7.50	7.60	7.20	7.20	6.00	5.80	6.60	7.03
60 Total	2467	2467	2470	2461	2546	2576	2534	2556	1770	2454	1906	2170	2397	2460	2381

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Cogeneration Resources															
1 Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.9	14.9	14.4	14.4	14.9	14.4	14.9	14.7
2 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Coqen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
4 Coqen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.57	5.95	7.20	0	5.95	5.76	5.95	5.68
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.5	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	228	228	228	228	228	228	228	228	228	228	228	228	228	228	228
7 Coyote Springs 2	275	275	280	288	303	313	312	306	294	287	287	263	260	268	287
8 Evergreen Biopower Coqen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9 Ferndale Cogeneration Station	238	238	241	245	250	253	253	251	249	247	247	0	241	238	225
10 Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
11 Georgia-Pacific Paper (Camas)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	6.80	10.00	10.00	9.73
12 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
13 Hampton Lumber Mill (Darrington)	1.90	1.90	2.00	2.40	2.50	2.50	2.40	2.50	2.60	2.20	2.20	1.00	0.80	1.60	2.03
14 Hermiston Generation Project	435	435	404	420	458	465	426	460	454	44.8	0	402	408	431	399
15 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
16 International Paper Energy Center	18.1	18.1	13.1	19.4	19.1	21.6	21.0	19.9	20.4	15.0	15.0	9.10	7.00	16.1	16.7
17 International Paper Energy Center 2	6.96	6.96	5.04	7.46	7.35	8.31	8.08	7.65	7.85	5.77	5.77	3.50	2.69	6.19	6.41
18 International Paper Energy Center 1	11.1	11.1	8.06	11.9	11.8	13.3	12.9	12.2	12.6	9.23	9.23	5.60	4.31	9.91	10.3
19 InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
20 Lakeview Biomass	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
21 Longview Fibre Paper & Packaging	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
22 Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
23 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
25 Metro West Point	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
26 Nippon Paper Coqen (Port Angel)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
27 Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
28 Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
29 Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
30 Potlatch	64.4	64.4	57.8	58.2	64.4	64.0	62.7	62.0	54.7	57.4	57.4	62.7	56.7	62.8	60.6
31 Potlatch NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
32 Potlatch Wood Waste 1	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
33 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
34 SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35 Seneca Sawmill Coqen	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
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	5.00
37 Sierra Pacific - Burlington	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0

Regional: Cogeneration Resources

Operating Year 2028

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
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	8.18
39 Sumas	125	125	126	129	131	132	133	131	130	129	0	128	126	125	123
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	4.95
41 Tacoma Biomass (WestRock)	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
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	3.91
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	0.06
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	0.10
45 Thompson River Co-Gen	0	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	0
47 Wah Chang Cogen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
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	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	19.2
50 Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
51 Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
52 Weyerhaeuser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7
Total Cogeneration Resources															
53 Cooperative	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94	7.94
54 Direct Service Industry	47.0	47.0	49.0	52.9	54.1	57.2	58.5	57.6	57.5	56.5	56.5	53.6	48.7	52.7	53.8
55 Investor Owned Utilities	1565	1565	1535	1567	1632	1654	1612	1636	1608	1190	1009	1276	1512	1550	1521
56 Marketer	779	779	773	773	784	790	791	788	154	769	769	753	764	782	724
57 Municipality	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
58 Other	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
59 Public Utility District	6.90	6.90	7.00	7.40	7.50	7.50	7.40	7.50	7.60	7.20	7.20	6.00	5.80	6.60	7.03
60 Total	2466	2466	2432	2468	2545	2575	2533	2555	1889	2090	1909	2157	2396	2459	2372

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Exhibit 32
Regional Large Thermal Resources

Monthly Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Large Thermal Resources															
1 Boardman	489	489	489	489	489	489	489	489	489	489	489	0	489	489	448
2 Centralia Complex	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	667	1253	1253	1203
3 Centralia 1	626	626	626	626	626	626	626	626	626	626	626	333	626	626	601
4 Centralia 2	626	626	626	626	626	626	626	626	626	626	626	333	626	626	601
5 Colstrip	1441	1441	1441	1441	1441	1441	1441	1441	1417	742	742	1051	1441	1441	1348
6 Colstrip 1	141	141	141	141	141	141	141	141	141	127	127	114	141	141	137
7 Colstrip 2	141	141	141	141	141	141	141	141	141	127	127	114	141	141	137
8 Colstrip 3	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481
9 Colstrip 4	679	679	679	679	679	679	679	679	655	8.30	8.30	344	679	679	593
10 Columbia Generating Station	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	355	0	994	937
11 Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1730	1743	1547	1924	1924	1909	1875
12 Jim Bridger #1	483	483	483	483	483	483	483	483	483	435	435	483	483	483	479
13 Jim Bridger #2	488	488	488	488	488	488	488	488	308	503	503	503	503	488	476
14 Jim Bridger #3	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
15 Jim Bridger #4	461	461	461	461	461	461	461	461	461	329	132	461	461	461	442
16 Valmy	235	235	235	235	235	235	235	235	152	235	235	209	235	235	225
17 North Valmy 1	114	114	114	114	114	114	114	114	74.1	114	114	102	114	114	110
18 North Valmy 2	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116
Total Large Thermal Resources															
19 Federal Entities	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	355	0	994	937
20 Investor Owned Utilities	4428	4428	4428	4428	4428	4428	4428	4428	4143	3564	3368	3374	4444	4428	4237
21 Marketer	897	897	897	897	897	897	897	897	897	897	897	478	897	897	862
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Total	6426	6426	6426	6426	6426	6426	6426	6426	6140	5562	5365	4206	5341	6319	6036

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Large Thermal Resources															
1 Boardman	489	489	489	489	489	489	489	489	489	489	489	0	489	489	448
2 Centralia Complex	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	667	1253	1253	1203
3 Centralia 1	626	626	626	626	626	626	626	626	626	626	626	333	626	626	601
4 Centralia 2	626	626	626	626	626	626	626	626	626	626	626	333	626	626	601
5 Colstrip	1441	1441	1441	1441	1441	1441	1441	1441	1407	966	966	919	1230	1441	1338
6 Colstrip 1	141	141	141	141	141	141	141	141	141	138	138	68.0	70.5	141	128
7 Colstrip 2	141	141	141	141	141	141	141	141	141	138	138	0	0	141	117
8 Colstrip 3	481	481	481	481	481	481	481	481	447	11.2	11.2	172	481	481	413
9 Colstrip 4	679	679	679	679	679	679	679	679	679	679	679	679	679	679	679
10 Columbia Generating Station	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
11 Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1892	1470	1273	1602	1924	1909	1839
12 Jim Bridger #1	483	483	483	483	483	483	483	483	451	161	161	161	483	483	427
13 Jim Bridger #2	488	488	488	488	488	488	488	488	503	503	503	503	503	488	493
14 Jim Bridger #3	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
15 Jim Bridger #4	461	461	461	461	461	461	461	461	461	329	132	461	461	461	442
16 Valmy	235	235	235	235	235	235	235	235	152	235	235	209	235	235	226
17 North Valmy 1	114	114	114	114	114	114	114	114	74.1	114	114	102	114	114	110
18 North Valmy 2	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116
Total Large Thermal Resources															
19 Federal Entities	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
20 Investor Owned Utilities	4428	4428	4428	4428	4428	4428	4428	4428	4296	3515	3319	2919	4233	4428	4191
21 Marketer	897	897	897	897	897	897	897	897	897	897	897	478	897	897	862
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Total	6426	6426	6426	6426	6426	6426	6426	6426	6293	5513	5316	4497	6231	6426	6152

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Large Thermal Resources															
1 Boardman	489	489	489	489	489	489	0	0	0	0	0	0	0	0	205
2 Centralia Complex	1253	1253	1253	1253	1253	626	626	626	626	626	626	333	626	626	811
3 Centralia 1	626	626	626	626	626	0	0	0	0	0	0	0	0	0	209
4 Centralia 2	626	626	626	626	626	626	626	626	626	626	626	333	626	626	601
5 Colstrip	1441	1441	1441	1441	1441	1441	1441	1441	1441	1441	1441	1346	1232	1441	1415
6 Colstrip 1	141	141	141	141	141	141	141	141	141	141	141	93.0	0	141	125
7 Colstrip 2	141	141	141	141	141	141	141	141	141	141	141	93.0	72.5	141	131
8 Colstrip 3	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481
9 Colstrip 4	679	679	679	679	679	679	679	679	679	679	679	679	679	679	679
10 Columbia Generating Station	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	355	0	994	937
11 Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1730	1792	1596	1924	1924	1909	1878
12 Jim Bridger #1	483	483	483	483	483	483	483	483	483	483	483	483	483	483	483
13 Jim Bridger #2	488	488	488	488	488	488	488	488	308	503	503	503	503	488	476
14 Jim Bridger #3	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
15 Jim Bridger #4	461	461	461	461	461	461	461	461	461	329	132	461	461	461	442
16 Valmy	235	235	235	235	235	235	235	235	152	235	235	209	235	235	225
17 North Valmy 1	114	114	114	114	114	114	114	114	74.1	114	114	102	114	114	110
18 North Valmy 2	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116
Total Large Thermal Resources															
19 Federal Entities	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	355	0	994	937
20 Investor Owned Utilities	4428	4428	4428	4428	4428	4428	3939	3939	3677	3822	3626	3668	3746	3939	4066
21 Marketer	897	897	897	897	897	271	271	271	271	271	271	144	271	271	470
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Total	6426	6426	6426	6426	6426	5800	5310	5310	5049	5194	4997	4167	4017	5204	5473

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Large Thermal Resources															
1 Boardman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Centralia Complex	626	626	626	626	626	626	626	626	596	313	313	536	626	626	590
3 Centralia 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Centralia 2	626	626	626	626	626	626	626	626	596	313	313	536	626	626	590
5 Colstrip	1441	1441	1441	1441	1441	1441	1441	1441	1417	756	756	1031	1441	1160	1324
6 Colstrip 1	141	141	141	141	141	141	141	141	141	141	141	93.0	141	0	125
7 Colstrip 2	141	141	141	141	141	141	141	141	141	127	127	114	141	0	125
8 Colstrip 3	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481
9 Colstrip 4	679	679	679	679	679	679	679	679	655	8.30	8.30	344	679	679	593
10 Columbia Generating Station	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
11 Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1924	1481	1284	1924	1924	1909	1869
12 Jim Bridger #1	483	483	483	483	483	483	483	483	483	172	172	483	483	483	458
13 Jim Bridger #2	488	488	488	488	488	488	488	488	503	503	503	503	503	488	493
14 Jim Bridger #3	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
15 Jim Bridger #4	461	461	461	461	461	461	461	461	461	329	132	461	461	461	442
16 Valmy	235	235	235	235	235	235	120	120	77.9	120	120	107	120	120	164
17 North Valmy 1	114	114	114	114	114	114	0	0	0	0	0	0	0	0	48.0
18 North Valmy 2	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116
Total Large Thermal Resources															
19 Federal Entities	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
20 Investor Owned Utilities	3939	3939	3939	3939	3939	3939	3825	3825	3757	2535	2338	3366	3840	3544	3691
21 Marketer	271	271	271	271	271	271	271	271	258	136	136	232	271	271	256
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Total	5310	5310	5310	5310	5310	5310	5196	5196	5115	3770	3574	4698	5211	4915	5047

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Large Thermal Resources															
1 Boardman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Centralia Complex	626	626	626	626	626	626	626	626	596	313	313	536	626	626	590
3 Centralia 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Centralia 2	626	626	626	626	626	626	626	626	596	313	313	536	626	626	590
5 Colstrip	1160	1160	1160	1160	1160	1160	1160	1160	1126	690	690	851	1160	1160	1092
6 Colstrip 1	0	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	0
8 Colstrip 3	481	481	481	481	481	481	481	481	447	11.2	11.2	172	481	481	413
9 Colstrip 4	679	679	679	679	679	679	679	679	679	679	679	679	679	679	679
10 Columbia Generating Station	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	355	0	994	937
11 Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1730	1792	1596	1924	1924	1909	1878
12 Jim Bridger #1	483	483	483	483	483	483	483	483	483	483	483	483	483	483	483
13 Jim Bridger #2	488	488	488	488	488	488	488	488	308	503	503	503	503	488	476
14 Jim Bridger #3	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
15 Jim Bridger #4	461	461	461	461	461	461	461	461	461	329	132	461	461	461	442
16 Valmy	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116
17 North Valmy 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 North Valmy 2	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116
Total Large Thermal Resources															
19 Federal Entities	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	355	0	994	937
20 Investor Owned Utilities	3544	3544	3544	3544	3544	3544	3544	3544	3272	2780	2584	3186	3559	3544	3421
21 Marketer	271	271	271	271	271	271	271	271	258	136	136	232	271	271	256
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Total	4915	4915	4915	4915	4915	4915	4915	4915	4630	4016	3819	3773	3830	4809	4614

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Large Thermal Resources															
1 Boardman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Centralia Complex	626	626	626	626	626	626	626	626	626	626	626	333	626	626	601
3 Centralia 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Centralia 2	626	626	626	626	626	626	626	626	626	626	626	333	626	626	601
5 Colstrip	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160
6 Colstrip 1	0	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	0
8 Colstrip 3	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481
9 Colstrip 4	679	679	679	679	679	679	679	679	679	679	679	679	679	679	679
10 Columbia Generating Station	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
11 Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1924	1737	1541	1602	1924	1909	1863
12 Jim Bridger #1	483	483	483	483	483	483	483	483	483	429	429	161	483	483	451
13 Jim Bridger #2	488	488	488	488	488	488	488	488	503	503	503	503	503	488	493
14 Jim Bridger #3	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
15 Jim Bridger #4	461	461	461	461	461	461	461	461	461	329	132	461	461	461	442
16 Valmy	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116
17 North Valmy 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 North Valmy 2	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116
Total Large Thermal Resources															
19 Federal Entities	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
20 Investor Owned Utilities	3544	3544	3544	3544	3544	3544	3544	3544	3517	3372	3176	3058	3559	3544	3480
21 Marketer	271	271	271	271	271	271	271	271	271	271	271	144	271	271	260
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Total	4915	4915	4915	4915	4915	4915	4915	4915	4888	4744	4547	4302	4930	4915	4840

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Large Thermal Resources															
1 Boardman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Centralia Complex	626	626	626	626	626	626	626	626	626	626	626	333	626	626	601
3 Centralia 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Centralia 2	626	626	626	626	626	626	626	626	626	626	626	333	626	626	601
5 Colstrip	1160	1160	1160	1160	1160	1160	1160	1160	1136	489	489	824	1160	1160	1074
6 Colstrip 1	0	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	0
8 Colstrip 3	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481
9 Colstrip 4	679	679	679	679	679	679	679	679	655	8.30	8.30	344	679	679	593
10 Columbia Generating Station	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	355	0	994	937
11 Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1730	1743	1547	1924	1924	1909	1875
12 Jim Bridger #1	483	483	483	483	483	483	483	483	483	435	435	483	483	483	479
13 Jim Bridger #2	488	488	488	488	488	488	488	488	308	503	503	503	503	488	476
14 Jim Bridger #3	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
15 Jim Bridger #4	461	461	461	461	461	461	461	461	461	329	132	461	461	461	442
16 Valmy	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116
17 North Valmy 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 North Valmy 2	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116
Total Large Thermal Resources															
19 Federal Entities	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	355	0	994	937
20 Investor Owned Utilities	3544	3544	3544	3544	3544	3544	3544	3544	3298	2708	2511	3045	3559	3544	3405
21 Marketer	271	271	271	271	271	271	271	271	271	271	271	144	271	271	260
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Total	4915	4915	4915	4915	4915	4915	4915	4915	4670	4079	3882	3544	3830	4809	4603

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Large Thermal Resources															
1 Boardman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Centralia Complex	626	626	626	626	626	0	0	0	0	0	0	0	0	0	209
3 Centralia 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Centralia 2	626	626	626	626	626	0	0	0	0	0	0	0	0	0	209
5 Colstrip	1160	1160	1160	1160	1160	1160	1160	1160	1126	690	690	851	1160	1160	1092
6 Colstrip 1	0	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	0
8 Colstrip 3	481	481	481	481	481	481	481	481	447	11.2	11.2	172	481	481	413
9 Colstrip 4	679	679	679	679	679	679	679	679	679	679	679	679	679	679	679
10 Columbia Generating Station	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
11 Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1892	1470	1273	1602	1924	1909	1838
12 Jim Bridger #1	483	483	483	483	483	483	483	483	451	161	161	161	483	483	427
13 Jim Bridger #2	488	488	488	488	488	488	488	488	503	503	503	503	503	488	493
14 Jim Bridger #3	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
15 Jim Bridger #4	461	461	461	461	461	461	461	461	461	329	132	461	461	461	442
16 Valmy	120	120	120	120	120	120	0	0	0	0	0	0	0	0	50.4
17 North Valmy 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 North Valmy 2	120	120	120	120	120	120	0	0	0	0	0	0	0	0	50.4
Total Large Thermal Resources															
19 Federal Entities	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
20 Investor Owned Utilities	3544	3544	3544	3544	3544	3189	3068	3068	3019	2160	1964	2453	3084	3068	3100
21 Marketer	271	271	271	271	271	0	0	0	0	0	0	0	0	0	90.7
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Total	4915	4915	4915	4915	4915	4289	4168	4168	4119	3260	3064	3553	4184	4168	4290

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Large Thermal Resources															
1 Boardman	0	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	0
3 Centralia 1	0	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	0
5 Colstrip	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160
6 Colstrip 1	0	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	0
8 Colstrip 3	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481
9 Colstrip 4	679	679	679	679	679	679	679	679	679	679	679	679	679	679	679
10 Columbia Generating Station	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	355	0	994	937
11 Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1730	1792	1596	1924	1924	1909	1878
12 Jim Bridger #1	483	483	483	483	483	483	483	483	483	483	483	483	483	483	483
13 Jim Bridger #2	488	488	488	488	488	488	488	488	308	503	503	503	503	488	476
14 Jim Bridger #3	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
15 Jim Bridger #4	461	461	461	461	461	461	461	461	461	329	132	461	461	461	442
16 Valmy	0	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	0
18 North Valmy 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Large Thermal Resources															
19 Federal Entities	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	355	0	994	937
20 Investor Owned Utilities	3068	3068	3068	3068	3068	3068	3068	3068	2889	2952	2755	3084	3084	3068	3038
21 Marketer	0	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	0
23 Total	4168	4168	4168	4168	4168	4168	4168	4168	3989	4052	3855	3439	3084	4062	3975

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Large Thermal Resources															
1 Boardman	0	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	0
3 Centralia 1	0	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	0
5 Colstrip	1160	1160	1160	1160	1160	1160	1160	1160	1136	489	489	824	1160	1160	1074
6 Colstrip 1	0	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	0
8 Colstrip 3	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481
9 Colstrip 4	679	679	679	679	679	679	679	679	655	8.30	8.30	344	679	679	594
10 Columbia Generating Station	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
11 Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1924	1481	1284	1924	1924	1909	1870
12 Jim Bridger #1	483	483	483	483	483	483	483	483	483	172	172	483	483	483	458
13 Jim Bridger #2	488	488	488	488	488	488	488	488	503	503	503	503	503	488	493
14 Jim Bridger #3	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
15 Jim Bridger #4	461	461	461	461	461	461	461	461	461	329	132	461	461	461	442
16 Valmy	0	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	0
18 North Valmy 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Large Thermal Resources															
19 Federal Entities	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
20 Investor Owned Utilities	3068	3068	3068	3068	3068	3068	3068	3068	3060	1970	1773	2749	3084	3068	2944
21 Marketer	0	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	0
23 Total	4168	4168	4168	4168	4168	4168	4168	4168	4160	3070	2873	3849	4184	4168	4044

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Exhibit 33
Regional Small Thermal & Miscellaneous

Monthly Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Small Thermal & Miscellaneous															
1 Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6 Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7 Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10 Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Spokane MSW	13.8	13.8	15.6	16.8	17.2	14.7	14.4	14.5	17.1	15.6	15.6	17.3	15.2	15.9	15.7
13 West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
Total Small Thermal & Miscellaneous															
14 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Investor Owned Utilities	30.2	30.3	35.9	38.1	35.9	37.3	37.5	36.6	37.9	35.8	35.6	40.5	36.4	35.1	36.4
16 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Total	30.4	30.5	36.1	38.3	36.1	37.5	37.7	36.8	38.1	36.0	35.8	40.7	36.6	35.3	36.6

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Small Thermal & Miscellaneous															
1 Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6 Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7 Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10 Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Spokane MSW	13.8	13.8	15.6	16.8	17.2	14.7	14.4	14.5	17.1	15.6	15.6	17.3	15.2	15.9	15.7
13 West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
Total Small Thermal & Miscellaneous															
14 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Investor Owned Utilities	30.2	30.3	35.9	38.1	35.9	37.3	37.5	36.6	37.9	35.8	35.6	40.5	36.4	35.1	36.4
16 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Total	30.4	30.5	36.1	38.3	36.1	37.5	37.7	36.8	38.1	36.0	35.8	40.7	36.6	35.3	36.6

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Small Thermal & Miscellaneous															
1 Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6 Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7 Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10 Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Spokane MSW	13.8	13.8	15.6	16.8	17.2	14.7	14.4	14.5	17.1	15.6	15.6	17.3	15.2	15.9	15.7
13 West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
Total Small Thermal & Miscellaneous															
14 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Investor Owned Utilities	30.2	30.3	35.9	38.1	35.9	37.3	37.5	36.6	37.9	35.8	35.6	40.5	36.4	35.1	36.4
16 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Total	30.4	30.5	36.1	38.3	36.1	37.5	37.7	36.8	38.1	36.0	35.8	40.7	36.6	35.3	36.6

Regional: Small Thermal & Miscellaneous

Operating Year 2022

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Small Thermal & Miscellaneous															
1 Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6 Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7 Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10 Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Spokane MSW	13.8	13.8	15.6	16.8	17.2	14.7	14.4	14.5	17.1	15.6	15.6	17.3	15.2	15.9	15.7
13 West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
Total Small Thermal & Miscellaneous															
14 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Investor Owned Utilities	30.2	30.3	35.9	38.1	35.9	37.3	37.5	36.6	37.9	35.8	35.6	40.5	36.4	35.1	36.4
16 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Total	30.4	30.5	36.1	38.3	36.1	37.5	37.7	36.8	38.1	36.0	35.8	40.7	36.6	35.3	36.6

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Small Thermal & Miscellaneous															
1 Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6 Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7 Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10 Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Spokane MSW	13.8	13.8	15.6	16.8	17.2	14.7	14.4	14.5	17.1	15.6	15.6	17.3	15.2	15.9	15.7
13 West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
Total Small Thermal & Miscellaneous															
14 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Investor Owned Utilities	30.2	30.3	35.9	38.1	35.9	37.3	37.5	36.6	37.9	35.8	35.6	40.5	36.4	35.1	36.4
16 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Total	30.4	30.5	36.1	38.3	36.1	37.5	37.7	36.8	38.1	36.0	35.8	40.7	36.6	35.3	36.6

**Regional: Small Thermal & Miscellaneous
Operating Year 2024
2017 White Book Report Date: 6/1/2017**

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Small Thermal & Miscellaneous															
1 Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6 Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7 Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10 Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Spokane MSW	13.8	13.8	15.6	16.8	17.2	14.7	14.4	14.5	17.1	15.6	15.6	17.3	15.2	15.9	15.7
13 West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
Total Small Thermal & Miscellaneous															
14 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Investor Owned Utilities	30.2	30.3	35.9	38.1	35.9	37.3	37.5	36.6	37.9	35.8	35.6	40.5	36.4	35.1	36.4
16 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Total	30.4	30.5	36.1	38.3	36.1	37.5	37.7	36.8	38.1	36.0	35.8	40.7	36.6	35.3	36.6

Regional: Small Thermal & Miscellaneous
Operating Year 2025
2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Small Thermal & Miscellaneous															
1 Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6 Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7 Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10 Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Spokane MSW	13.8	13.8	15.6	16.8	17.2	14.7	14.4	14.5	17.1	15.6	15.6	17.3	15.2	15.9	15.7
13 West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
Total Small Thermal & Miscellaneous															
14 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Investor Owned Utilities	30.2	30.3	35.9	38.1	35.9	37.3	37.5	36.6	37.9	35.8	35.6	40.5	36.4	35.1	36.4
16 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Total	30.4	30.5	36.1	38.3	36.1	37.5	37.7	36.8	38.1	36.0	35.8	40.7	36.6	35.3	36.6

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

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Small Thermal & Miscellaneous															
1 Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6 Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7 Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10 Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Spokane MSW	13.8	13.8	15.6	16.8	17.2	14.7	14.4	14.5	17.1	15.6	15.6	17.3	15.2	15.9	15.7
13 West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
Total Small Thermal & Miscellaneous															
14 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Investor Owned Utilities	30.2	30.3	35.9	38.1	35.9	37.3	37.5	36.6	37.9	35.8	35.6	40.5	36.4	35.1	36.4
16 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Total	30.4	30.5	36.1	38.3	36.1	37.5	37.7	36.8	38.1	36.0	35.8	40.7	36.6	35.3	36.6

Regional: Small Thermal & Miscellaneous
Operating Year 2027
2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Small Thermal & Miscellaneous															
1 Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6 Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7 Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10 Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Spokane MSW	13.8	13.8	15.6	16.8	17.2	14.7	14.4	14.5	17.1	15.6	15.6	17.3	15.2	15.9	15.7
13 West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
Total Small Thermal & Miscellaneous															
14 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Investor Owned Utilities	30.2	30.3	35.9	38.1	35.9	37.3	37.5	36.6	37.9	35.8	35.6	40.5	36.4	35.1	36.4
16 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Total	30.4	30.5	36.1	38.3	36.1	37.5	37.7	36.8	38.1	36.0	35.8	40.7	36.6	35.3	36.6

Regional: Small Thermal & Miscellaneous

Operating Year 2028

2017 White Book Report Date: 6/1/2017

S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Small Thermal & Miscellaneous															
1 Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6 Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7 Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10 Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Spokane MSW	13.8	13.8	15.6	16.8	17.2	14.7	14.4	14.5	17.1	15.6	15.6	17.3	15.2	15.9	15.7
13 West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
Total Small Thermal & Miscellaneous															
14 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Investor Owned Utilities	30.2	30.3	35.9	38.1	35.9	37.3	37.5	36.6	37.9	35.8	35.6	40.5	36.4	35.1	36.4
16 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Total	30.4	30.5	36.1	38.3	36.1	37.5	37.7	36.8	38.1	36.0	35.8	40.7	36.6	35.3	36.6

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Exhibit 34
Non-Federal CER Deliveries to BPA

Monthly Energy
Operating Year 2019 to 2028
Using 1937-Water Conditions

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Pacific Northwest															
1 CHPD to BPA CEAEA for Rock Island	17.9	18.1	17.2	18.1	18.5	17.9	18.6	18.3	17.9	18.5	18.5	18.6	17.8	18.6	18.2
2 CHPD to BPA CEAEA for Rocky Reach	37.6	37.9	36.1	37.7	37.5	36.3	38.3	37.7	37.0	38.1	38.1	38.3	36.7	38.3	37.5
3 DOPD to BPA CEAEA for Wells	24.3	24.5	23.3	24.4	24.2	23.4	23.8	23.4	23.0	23.7	23.7	23.8	22.8	23.8	23.7
4 GCPD to BPA CEAEA for Priest Rapids	29.5	29.8	28.3	29.6	29.4	28.5	29.6	29.1	28.3	28.9	28.9	29.0	27.8	29.0	28.9
5 GCPD to BPA CEAEA for Wanpum	28.3	28.6	27.2	28.5	28.3	27.5	29.0	28.6	28.0	28.9	28.9	29.0	27.8	29.0	28.4
6 Total Imports From PNW	138	139	132	138	138	134	139	137	134	138	138	139	133	139	137
Total Imports															
7 Federal Entities	138	139	132	138	138	134	139	137	134	138	138	139	133	139	137
8 Total Imports	138	139	132	138	138	134	139	137	134	138	138	139	133	139	137

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Pacific Northwest															
1 CHPD to BPA CEAEA for Rock Island	18.5	18.7	17.8	18.6	18.5	17.9	18.6	18.4	17.9	18.5	18.5	17.9	18.5	18.6	18.3
2 CHPD to BPA CEAEA for Rocky Reach	38.1	38.5	36.7	38.3	38.1	36.9	38.3	37.9	37.0	38.1	38.1	36.9	38.1	38.3	37.7
3 DOPD to BPA CEAEA for Wells	23.7	23.9	22.8	23.8	23.7	22.9	23.8	23.6	23.0	23.7	23.7	22.9	23.7	23.8	23.4
4 GCPD to BPA CEAEA for Priest Rapids	28.9	29.2	27.8	29.0	28.8	28.0	29.0	28.7	28.0	28.9	28.9	28.0	28.9	29.0	28.6
5 GCPD to BPA CEAEA for Wanpum	28.9	29.2	27.8	29.0	28.8	28.0	29.0	28.7	28.0	28.9	28.9	28.0	28.9	29.0	28.6
6 Total Imports From PNW	138	139	133	139	138	134	139	137	134	138	138	134	138	139	137
Total Imports															
7 Federal Entities	138	139	133	139	138	134	139	137	134	138	138	134	138	139	137
8 Total Imports	138	139	133	139	138	134	139	137	134	138	138	134	138	139	137

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Pacific Northwest															
1 CHPD to BPA CEAEA for Rock Island	18.5	17.3	18.5	18.6	17.8	18.6	17.9	18.3	18.6	18.5	18.5	17.9	18.5	18.6	18.3
2 CHPD to BPA CEAEA for Rocky Reach	38.1	35.8	38.1	38.3	36.6	38.3	36.9	37.7	38.4	38.1	38.1	36.9	38.1	38.3	37.7
3 DOPD to BPA CEAEA for Wells	23.7	22.2	23.7	23.8	22.7	23.8	22.9	23.4	23.8	23.7	23.7	22.9	23.7	23.8	23.4
4 GCPD to BPA CEAEA for Priest Rapids	28.9	27.1	28.9	29.0	27.7	29.0	28.0	28.6	29.1	28.9	28.9	28.0	28.9	29.0	28.6
5 GCPD to BPA CEAEA for Wanpum	28.9	27.1	28.9	29.0	27.7	29.0	28.0	28.6	29.1	28.9	28.9	28.0	28.9	29.0	28.6
6 Total Imports From PNW	138	129	138	139	133	139	134	137	139	138	138	134	138	139	137
Total Imports															
7 Federal Entities	138	129	138	139	133	139	134	137	139	138	138	134	138	139	137
8 Total Imports	138	129	138	139	133	139	134	137	139	138	138	134	138	139	137

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Pacific Northwest															
1 CHPD to BPA CEAEA for Rock Island	17.1	18.7	18.5	17.9	18.5	18.6	17.9	18.3	18.6	18.5	18.5	17.9	18.5	17.9	18.2
2 CHPD to BPA CEAEA for Rocky Reach	35.2	38.5	38.1	36.9	38.1	38.3	36.9	37.7	38.4	38.1	38.1	36.9	38.1	36.9	37.6
3 DOPD to BPA CEAEA for Wells	21.9	23.9	23.7	22.9	23.7	23.8	22.9	23.4	23.8	23.7	23.7	22.9	23.7	22.9	23.4
4 GCPD to BPA CEAEA for Priest Rapids	26.7	29.2	28.9	28.0	28.8	29.0	28.0	28.6	29.1	28.9	28.9	28.0	28.9	28.0	28.5
5 GCPD to BPA CEAEA for Wanpum	26.7	29.2	28.9	28.0	28.8	29.0	28.0	28.6	29.1	28.9	28.9	28.0	28.9	28.0	28.5
6 Total Imports From PNW	127	139	138	134	138	139	134	137	139	138	138	134	138	134	136
Total Imports															
7 Federal Entities	127	139	138	134	138	139	134	137	139	138	138	134	138	134	136
8 Total Imports	127	139	138	134	138	139	134	137	139	138	138	134	138	134	136

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Pacific Northwest															
1 CHPD to BPA CEAEA for Rock Island	18.5	18.7	18.5	17.9	18.5	18.6	17.9	18.3	18.6	18.5	17.1	18.6	18.5	17.9	18.3
2 CHPD to BPA CEAEA for Rocky Reach	38.1	38.5	38.1	36.9	38.1	38.3	36.9	37.7	38.4	38.1	35.2	38.3	38.1	36.9	37.7
3 DOPD to BPA CEAEA for Wells	23.7	23.9	23.7	22.9	23.7	23.8	22.9	23.4	23.8	23.7	21.9	23.8	23.7	22.9	23.4
4 GCPD to BPA CEAEA for Priest Rapids	28.9	29.2	28.9	28.0	28.8	29.0	28.0	28.6	29.1	28.9	26.7	29.0	28.9	28.0	28.6
5 GCPD to BPA CEAEA for Wanpum	28.9	29.2	28.9	28.0	28.8	29.0	28.0	28.6	29.1	28.9	26.7	29.0	28.9	28.0	28.6
6 Total Imports From PNW	138	139	138	134	138	139	134	137	139	138	127	139	138	134	137
Total Imports															
7 Federal Entities	138	139	138	134	138	139	134	137	139	138	127	139	138	134	137
8 Total Imports	138	139	138	134	138	139	134	137	139	138	127	139	138	134	137

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Pacific Northwest															
1 CHPD to BPA CEAEA for Rock Island	18.5	18.7	18.5	17.9	18.5	17.9	18.6	18.4	17.9	18.5	18.5	18.6	17.8	18.6	18.3
2 CHPD to BPA CEAEA for Rocky Reach	38.1	38.5	38.1	36.9	38.1	36.9	38.3	37.9	37.0	38.1	38.1	38.3	36.7	38.3	37.7
3 DOPD to BPA CEAEA for Wells	23.7	23.9	23.7	22.9	23.7	22.9	23.8	23.6	23.0	23.7	23.7	23.8	22.8	23.8	23.4
4 GCPD to BPA CEAEA for Priest Rapids	28.9	29.2	28.9	28.0	28.8	28.0	29.0	28.7	28.0	28.9	28.9	29.0	27.8	29.0	28.6
5 GCPD to BPA CEAEA for Wanpum	28.9	29.2	28.9	28.0	28.8	28.0	29.0	28.7	28.0	28.9	28.9	29.0	27.8	29.0	28.6
6 Total Imports From PNW	138	139	138	134	138	134	139	137	134	138	138	139	133	139	137
Total Imports															
7 Federal Entities	138	139	138	134	138	134	139	137	134	138	138	139	133	139	137
8 Total Imports	138	139	138	134	138	134	139	137	134	138	138	139	133	139	137

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Pacific Northwest															
1 CHPD to BPA CEAEA for Rock Island	18.5	18.7	17.8	18.6	18.5	17.9	18.6	18.3	17.9	18.5	18.5	18.6	17.8	18.6	18.3
2 CHPD to BPA CEAEA for Rocky Reach	38.1	38.5	38.1	36.9	38.1	36.9	38.3	39.3	37.0	38.1	38.1	38.3	36.7	38.3	37.9
3 DOPD to BPA CEAEA for Wells	23.7	23.9	22.8	23.8	23.7	22.9	23.8	23.4	23.0	23.7	23.7	23.8	22.8	23.8	23.4
4 GCPD to BPA CEAEA for Priest Rapids	28.9	29.2	27.8	29.0	28.8	28.0	29.0	28.6	28.0	28.9	28.9	29.0	27.8	29.0	28.6
5 GCPD to BPA CEAEA for Wanpum	28.9	29.2	28.9	28.0	28.8	28.0	29.0	29.8	28.0	28.9	28.9	29.0	27.8	29.0	28.7
6 Total Imports From PNW	138	139	135	136	138	134	139	139	134	138	138	139	133	139	137
Total Imports															
7 Federal Entities	138	139	135	136	138	134	139	139	134	138	138	139	133	139	137
8 Total Imports	138	139	135	136	138	134	139	139	134	138	138	139	133	139	137

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Pacific Northwest															
1 CHPD to BPA CEAEA for Rock Island	18.5	17.3	18.5	18.6	17.8	18.6	18.6	18.3	17.9	18.5	18.5	17.9	18.5	18.6	18.3
2 CHPD to BPA CEAEA for Rocky Reach	39.6	37.1	38.1	36.9	38.1	36.9	38.3	39.3	37.0	38.1	38.1	38.3	36.7	38.3	37.9
3 DOPD to BPA CEAEA for Wells	23.7	22.2	22.8	23.8	23.7	22.9	23.8	23.4	23.0	23.7	23.7	23.8	22.8	23.8	23.4
4 GCPD to BPA CEAEA for Priest Rapids	28.9	27.1	27.8	29.0	28.8	28.0	29.0	28.6	28.0	28.9	28.9	29.0	27.8	29.0	28.5
5 GCPD to BPA CEAEA for Wanpum	30.0	28.1	28.9	28.0	28.8	28.0	29.0	29.8	28.0	28.9	28.9	29.0	27.8	29.0	28.7
6 Total Imports From PNW	141	132	136	136	137	134	139	139	134	138	138	138	133	139	137
Total Imports															
7 Federal Entities	141	132	136	136	137	134	139	139	134	138	138	138	133	139	137
8 Total Imports	141	132	136	136	137	134	139	139	134	138	138	138	133	139	137

Non-Federal CER Deliveries to BPA
Operating Year: 2027
2017 White Book Report Date: 6/1/2017
S149-WB-20171215-145200

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Pacific Northwest															
1 CHPD to BPA CEAEA for Rock Island	18.5	17.3	18.5	18.6	17.8	18.6	17.9	18.3	18.6	18.5	18.5	17.9	18.5	18.6	18.3
2 CHPD to BPA CEAEA for Rocky Reach	39.6	37.1	38.1	36.9	38.1	36.9	38.3	39.3	37.0	38.1	38.1	38.3	36.7	38.3	37.9
3 DOPD to BPA CEAEA for Wells	23.7	22.2	24.6	21.2	23.7	22.9	23.8	24.4	23.8	23.7	23.7	22.0	24.6	22.9	23.4
4 GCPD to BPA CEAEA for Priest Rapids	28.9	27.1	27.8	29.0	28.8	28.0	29.0	28.6	28.0	28.9	28.9	29.0	27.8	29.0	28.5
5 GCPD to BPA CEAEA for Wanpum	30.0	28.1	28.9	28.0	28.8	28.0	29.0	29.8	28.0	28.9	28.9	29.0	27.8	29.0	28.7
6 Total Imports From PNW	141	132	138	134	137	134	138	140	135	138	138	136	135	138	137
Total Imports															
7 Federal Entities	141	132	138	134	137	134	138	140	135	138	138	136	135	138	137
8 Total Imports	141	132	138	134	137	134	138	140	135	138	138	136	135	138	137

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

Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Pacific Northwest															
1 CHPD to BPA CEAEA for Rock Island	17.1	18.7	18.5	17.9	18.5	18.6	17.9	18.4	18.6	18.5	17.1	18.6	18.5	17.9	18.2
2 CHPD to BPA CEAEA for Rocky Reach	36.6	40.0	38.1	36.9	38.1	36.9	38.3	37.9	37.0	39.7	36.6	38.3	36.7	38.3	37.7
3 DOPD to BPA CEAEA for Wells	22.0	23.8	24.6	21.2	23.7	22.9	23.8	23.6	23.8	24.6	22.7	22.0	24.6	22.9	23.3
4 GCPD to BPA CEAEA for Priest Rapids	26.7	29.2	27.8	29.0	28.8	28.0	29.0	27.6	28.0	30.0	27.7	29.0	27.8	29.0	28.4
5 GCPD to BPA CEAEA for Wanpum	27.7	30.3	28.9	28.0	28.8	28.0	29.0	28.7	28.0	30.0	27.7	29.0	27.8	29.0	28.6
6 Total Imports From PNW	130	142	138	133	138	134	138	136	135	143	132	137	135	137	136
Total Imports															
7 Federal Entities	130	142	138	133	138	134	138	136	135	143	132	137	135	137	136
8 Total Imports	130	142	138	133	138	134	138	136	135	143	132	137	135	137	136

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

Monthly Energy
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

Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Federal Report Surplus Deficit	1537	1452	-61.9	144	217	-516	-637	-704	-56.6	-429	1207	1603	1380	-511	233
2 1930 Federal Report Surplus Deficit	713	139	400	216	362	-481	-1490	-385	-185	552	2029	1084	-738	1015	128
3 1931 Federal Report Surplus Deficit	1094	267	229	141	389	-342	-1040	-1478	-519	294	-469	1955	-418	858	42.2
4 1932 Federal Report Surplus Deficit	1009	313	40.7	33.5	-0.06	-426	-1874	-1535	1246	4004	4883	5482	4614	2038	1237
5 1933 Federal Report Surplus Deficit	1357	1199	723	107	-207	886	2047	2313	2303	1786	2108	3490	6172	4275	2109
6 1934 Federal Report Surplus Deficit	2881	2079	525	834	2514	4513	4928	4490	4919	4955	4737	4007	3019	1364	3197
7 1935 Federal Report Surplus Deficit	423	30.8	70.2	43.5	-575	-515	1733	1824	2214	373	2348	2896	2308	2791	1197
8 1936 Federal Report Surplus Deficit	2436	471	-132	148	165	-824	-1478	-713	58.5	583	4053	5415	4103	1341	992
9 1937 Federal Report Surplus Deficit	888	190	187	142	446	-545	-1782	-1059	-261	-108	205	2267	903	-218	60.3
10 1938 Federal Report Surplus Deficit	909	100	169	152	299	334	1362	1838	2441	3340	5648	4946	3336	2295	1844
11 1939 Federal Report Surplus Deficit	399	-45.3	475	100	116	-629	286	126	545	1672	3374	3257	679	1050	727
12 1940 Federal Report Surplus Deficit	813	108	345	171	534	-305	483	28.3	3054	1886	2681	2955	569	830	957
13 1941 Federal Report Surplus Deficit	363	-183	190	-61.9	274	-0.25	-847	-533	12.6	-326	778	2333	664	811	268
14 1942 Federal Report Surplus Deficit	1022	272	395	-43.4	784	888	1691	1143	1433	614	2406	2804	2787	2815	1406
15 1943 Federal Report Surplus Deficit	1441	912	917	98.2	-287	-110	2366	2034	2693	5459	5872	4092	5761	4150	2374
16 1944 Federal Report Surplus Deficit	2202	892	89.3	54.4	285	-538	-546	-364	-330	-528	907	890	-785	83.0	50.7
17 1945 Federal Report Surplus Deficit	1032	13.1	92.9	44.8	248	-385	-1260	-817	-275	-425	-933	3719	3746	-34.0	414
18 1946 Federal Report Surplus Deficit	687	129	151	42.4	371	244	1140	1154	2212	3946	5673	5081	3422	3375	1869
19 1947 Federal Report Surplus Deficit	1712	1142	562	75.9	448	3036	3477	3102	3314	2732	3074	4946	3699	2885	2490
20 1948 Federal Report Surplus Deficit	1551	743	335	2411	1627	1635	3291	2098	2251	2058	4345	6025	5784	3794	2805
21 1949 Federal Report Surplus Deficit	3224	2394	888	456	136	403	1143	807	3139	2902	4915	5496	3602	416	1939
22 1950 Federal Report Surplus Deficit	353	-377	97.2	-14.4	81.9	-113	2967	3637	3436	4214	3934	4158	5812	5074	2421
23 1951 Federal Report Surplus Deficit	3232	2312	727	1133	1962	3176	4687	4858	5433	4609	4592	5103	3609	3915	3494
24 1952 Federal Report Surplus Deficit	2253	772	401	1931	954	1735	2926	2530	2354	4434	6024	6189	4079	2675	2709
25 1953 Federal Report Surplus Deficit	1466	423	-173	112	12.6	-742	588	1873	1534	772	1872	3612	6150	4489	1638
26 1954 Federal Report Surplus Deficit	2241	1196	508	396	443	1127	2787	2935	3313	2343	3080	4930	4915	5021	2567
27 1955 Federal Report Surplus Deficit	3539	3299	2475	522	1047	1059	229	339	-161	231	1622	3163	5905	4801	1984
28 1956 Federal Report Surplus Deficit	2932	1438	268	687	1550	3062	4488	4556	4502	3882	5822	6035	5599	4041	3479
29 1957 Federal Report Surplus Deficit	2840	1938	523	627	111	1276	1414	823	2112	3686	2850	6355	5909	2034	2245
30 1958 Federal Report Surplus Deficit	1086	561	379	67.7	319	-363	1812	1673	2120	1779	3658	5477	5100	1583	1806
31 1959 Federal Report Surplus Deficit	1361	371	108	284	1014	2523	3963	3764	3794	3285	2880	4120	5163	4364	2748
32 1960 Federal Report Surplus Deficit	2946	2348	2827	3148	2586	2360	2181	1720	2243	5917	4188	2999	4336	2800	2909
33 1961 Federal Report Surplus Deficit	1722	413	72.0	336	324	558	1895	2459	3851	2551	2530	4762	5142	1903	2071
34 1962 Federal Report Surplus Deficit	1498	601	160	-77.3	281	278	1523	1636	520	4271	5452	4142	3066	1971	1611
35 1963 Federal Report Surplus Deficit	1409	891	6.63	881	1119	2205	2432	1845	1537	605	1957	3501	3091	2563	1805
36 1964 Federal Report Surplus Deficit	1356	574	655	14.2	122	509	431	525	615	2880	1808	3827	5935	4618	1716
37 1965 Federal Report Surplus Deficit	2902	2073	1154	1040	780	3331	5141	5850	4846	1973	5712	5306	4075	2691	3367
38 1966 Federal Report Surplus Deficit	2511	2004	130	557	247	799	1136	1121	809	4356	2644	2294	2738	2714	1526

Federal Report Surplus Deficit By Water Year

Operating Year 2019

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
39 1967 Federal Report Surplus Deficit	2071	441	133	24.8	27.2	1080	3298	3374	3405	1542	185	3514	5565	4183	2221
40 1968 Federal Report Surplus Deficit	2328	1499	528	453	508	820	2592	2367	2656	259	1310	2023	4505	3136	1854
41 1969 Federal Report Surplus Deficit	2194	1310	1652	1167	1630	1744	3967	4572	3632	4255	5428	5862	4355	2865	3158
42 1970 Federal Report Surplus Deficit	1163	498	281	450	384	-125	1693	1471	1700	935	1693	3644	5368	1039	1500
43 1971 Federal Report Surplus Deficit	1108	323	126	42.7	192	327	4278	5522	4612	4176	4682	5916	5808	4571	3027
44 1972 Federal Report Surplus Deficit	3049	2801	746	651	321	1127	4165	4931	6156	5552	3537	5722	5563	4549	3444
45 1973 Federal Report Surplus Deficit	3338	3007	879	590	322	758	1457	317	319	-1071	930	2289	24.3	780	914
46 1974 Federal Report Surplus Deficit	686	-18.7	115	70.5	43.8	1600	5589	5392	5761	4676	5402	5378	5671	5172	3336
47 1975 Federal Report Surplus Deficit	3134	2981	801	-42.1	245	-187	1845	1999	2480	766	1692	4619	5958	4895	2245
48 1976 Federal Report Surplus Deficit	2297	1762	948	1292	1885	4041	4011	3651	4574	4696	4450	5932	4555	4220	3479
49 1977 Federal Report Surplus Deficit	3813	3827	3325	654	305	-515	-380	-105	-122	-837	434	503	-918	136	547
50 1978 Federal Report Surplus Deficit	1003	73.0	-390	-324	322	715	1467	1580	1508	4119	3043	4452	2525	2782	1562
51 1979 Federal Report Surplus Deficit	1085	346	1786	677	321	-390	781	-178	1773	452	2149	4303	2021	-194	1082
52 1980 Federal Report Surplus Deficit	721	125	360	91.0	281	-812	336	-64.1	249	1814	3273	5626	4593	1732	1283
53 1981 Federal Report Surplus Deficit	583	143	410	43.3	229	2202	3467	3290	1567	-586	1874	3595	5612	3828	2098
54 1982 Federal Report Surplus Deficit	3112	2210	522	298	581	836	2670	5489	5700	3991	3623	5466	5720	5074	3221
55 1983 Federal Report Surplus Deficit	3043	2713	1574	1193	625	1350	3272	3650	4634	3073	2836	4538	4585	4295	2961
56 1984 Federal Report Surplus Deficit	3107	1632	879	469	2182	1642	2595	2924	2994	4566	5057	4710	5490	3769	2896
57 1985 Federal Report Surplus Deficit	2578	1034	860	532	616	726	905	850	815	2668	3707	3820	1838	799	1396
58 1986 Federal Report Surplus Deficit	192	-476	285	58.5	1609	914	2388	3159	5560	4575	5150	3401	3624	1766	2278
59 1987 Federal Report Surplus Deficit	938	235	-26.8	-125	492	809	519	-240	1335	124	1619	3692	1691	116	818
60 1988 Federal Report Surplus Deficit	354	-325	17.2	47.0	230	-799	-901	-1282	61.9	-81.5	1517	2042	418	1091	147
61 1989 Federal Report Surplus Deficit	905	168	103	-15.0	546	-62.5	-408	-700	1298	1877	5243	3549	2112	616	933
62 1990 Federal Report Surplus Deficit	536	7.84	186	172	436	1166	2014	2442	2780	1689	4710	2780	4323	2438	1843
63 1991 Federal Report Surplus Deficit	2294	1662	120	-46.8	1882	1930	3021	2828	3264	2777	2433	3759	4065	4167	2464
64 1992 Federal Report Surplus Deficit	3088	1769	97.1	210	296	-740	-13.9	105	1557	-743	852	1980	-13.7	147	515
65 1993 Federal Report Surplus Deficit	595	-112	-129	98.6	407	-342	-1182	-1392	669	906	2005	4161	2861	1051	669
66 1994 Federal Report Surplus Deficit	1001	433	408	164	572	-151	-1415	-796	-210	-133	1429	2899	1777	860	461
67 1995 Federal Report Surplus Deficit	758	-37.0	209	99.2	-102	-351	744	1450	2528	1083	1773	3301	4715	2105	1370
68 1996 Federal Report Surplus Deficit	937	377	726	951	2867	5263	5271	5556	5900	4200	5781	5498	4639	4250	3872
69 1997 Federal Report Surplus Deficit	2910	1764	513	354	509	1805	5547	5800	6037	4523	5835	5806	5655	4526	3660
70 1998 Federal Report Surplus Deficit	2788	2864	1542	2610	1481	729	1368	1414	1455	1489	2762	5689	5460	2664	2453
71 1999 Federal Report Surplus Deficit	1863	556	126	126	-96.7	1498	4012	4316	4854	2854	4211	4168	5448	4578	2806
72 2000 Federal Report Surplus Deficit	3577	2927	910	327	2376	2265	1936	2027	2178	3953	5232	4389	1618	2313	2350
73 2001 Federal Report Surplus Deficit	1613	-14.2	-117	137	175	-502	-590	-384	2.28	-613	654	1422	-1399	295	-7.26
74 2002 Federal Report Surplus Deficit	1062	-23.1	-318	-390	257	-231	-632	-374	605	1605	4127	3253	5084	3512	1182
75 2003 Federal Report Surplus Deficit	1337	546	367	231	484	-346	-621	-749	1763	1590	2358	3160	4171	759	1016
76 2004 Federal Report Surplus Deficit	473	-305	-184	44.0	667	189	270	-509	1069	940	1878	2920	1772	1100	743
77 2005 Federal Report Surplus Deficit	849	441	1081	649	238	1048	1174	1194	299	-503	1425	3470	2268	1523	1172

Federal Report Surplus Deficit By Water Year

Operating Year 2019

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
78 2006 Federal Report Surplus Deficit	1057	17.1	263	-227	366	768	2310	2953	2424	4559	5270	5349	4891	2064	2206
79 2007 Federal Report Surplus Deficit	634	146	-96.3	218	596	275	1848	1538	2808	3246	2394	3485	2884	2399	1597
80 2008 Federal Report Surplus Deficit	852	-33.7	-247	227	617	-540	-11.1	308	690	1076	223	4650	6153	2893	1319
Ranked Averages															
81 Bottom 10 pct	1096	302	117	103	297	-465	-979	-774	-159	-155	854	1699	3.32	428	115
82 Middle 80 pct	1667	903	502	378	574	640	1519	1575	2101	2192	3073	4048	3889	2512	1804
83 Top 10 pct	2368	1564	650	772	1240	2926	4862	5074	5401	4264	5141	5597	4921	4170	3516

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Federal Report Surplus Deficit By Water Year

Operating Year 2020

2017 White Book Report Date: 6/1/2017

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Federal Report Surplus Deficit	1495	1411	-101	-190	267	-465	-656	-321	-300	-525	1118	2008	2087	-751	276
2 1930 Federal Report Surplus Deficit	720	146	366	-69.7	384	-446	-1284	-283	-286	435	1358	1515	588	632	202
3 1931 Federal Report Surplus Deficit	1067	238	197	-127	488	-313	-1581	-1027	352	407	-784	2198	414	651	148
4 1932 Federal Report Surplus Deficit	974	277	8.27	-386	30.2	-367	-1295	-1594	1176	3847	4747	5912	5203	1971	1301
5 1933 Federal Report Surplus Deficit	1315	1161	688	-140	251	998	2200	2312	2235	1359	2059	3968	6521	4172	2177
6 1934 Federal Report Surplus Deficit	2837	2038	486	502	3007	4003	4699	4534	4939	5085	4728	4553	3582	1094	3223
7 1935 Federal Report Surplus Deficit	386	-5.66	37.3	-204	-228	-130	1911	2165	1960	140	2324	3412	2858	2485	1306
8 1936 Federal Report Surplus Deficit	2395	431	-166	-217	248	-465	-1513	-427	-26.7	491	3944	5750	4741	1057	1049
9 1937 Federal Report Surplus Deficit	852	154	155	-112	478	-371	-1546	-814	-360	-161	-419	2703	1568	95.8	169
10 1938 Federal Report Surplus Deficit	870	61.8	135	-151	378	375	1316	1858	2454	3188	5451	5363	4186	2170	1901
11 1939 Federal Report Surplus Deficit	359	-84.7	440	-116	141	-553	417	295	668	1480	3399	3693	1486	932	831
12 1940 Federal Report Surplus Deficit	775	71.9	312	-38.2	678	546	-14.6	332	2702	1803	2603	3455	2013	523	1095
13 1941 Federal Report Surplus Deficit	329	-219	158	-304	475	39.8	-882	-371	-81.3	-619	676	2740	1591	722	348
14 1942 Federal Report Surplus Deficit	987	236	360	-385	897	1662	1190	821	390	525	2326	3241	3428	3308	1413
15 1943 Federal Report Surplus Deficit	1404	951	878	-95.0	-23.5	199	2419	2000	2765	5353	5840	4533	6271	4051	2475
16 1944 Federal Report Surplus Deficit	2153	849	50.5	-196	315	-495	-381	-217	-380	-622	807	1333	-78.9	-69.9	123
17 1945 Federal Report Surplus Deficit	997	-23.6	60.6	-271	345	-340	-1277	-717	-355	-501	-575	4159	4428	-195	481
18 1946 Federal Report Surplus Deficit	648	91.2	115	-242	435	477	1268	1437	1756	3759	5609	5423	4105	2966	1896
19 1947 Federal Report Surplus Deficit	1714	1144	523	-246	971	2912	3412	3099	3437	2609	3037	5267	4339	2748	2560
20 1948 Federal Report Surplus Deficit	1524	713	295	2128	2155	1487	3263	2295	2389	1967	4579	6494	6195	3561	2889
21 1949 Federal Report Surplus Deficit	3236	2400	849	124	666	246	1063	633	3704	2670	4877	5901	4279	61.2	2012
22 1950 Federal Report Surplus Deficit	313	-416	61.3	-232	117	545	3001	3837	3405	4156	3920	4741	6218	5022	2550
23 1951 Federal Report Surplus Deficit	3199	2282	686	800	2490	3039	4445	4807	5430	4603	4499	5459	4235	3780	3536
24 1952 Federal Report Surplus Deficit	1953	746	358	1622	1484	1588	2719	2530	2722	4164	5928	6499	4591	2436	2743
25 1953 Federal Report Surplus Deficit	1424	383	-208	-176	297	-430	-304	3182	1380	714	1895	4134	6539	4092	1714
26 1954 Federal Report Surplus Deficit	1923	1190	472	63.2	972	976	2327	3536	3080	2204	3048	5269	5299	4892	2585
27 1955 Federal Report Surplus Deficit	3571	3332	2432	191	1573	907	-22.3	767	-665	136	1529	3772	6207	4683	2009
28 1956 Federal Report Surplus Deficit	2937	1413	230	353	2077	2930	4410	4651	4464	3891	5610	6408	6093	3880	3529
29 1957 Federal Report Surplus Deficit	2535	1903	485	296	612	1155	1396	297	2715	3629	2825	6839	6322	1727	2280
30 1958 Federal Report Surplus Deficit	1047	523	345	-114	491	116	1864	1816	2197	1692	3580	5891	5514	1417	1909
31 1959 Federal Report Surplus Deficit	1323	333	73.8	55.3	1544	2397	3897	3749	3549	3273	2846	4483	5643	4221	2787
32 1960 Federal Report Surplus Deficit	2980	2384	2783	2876	3089	2220	2142	1622	2173	5843	4163	3582	4771	2683	2965
33 1961 Federal Report Surplus Deficit	1677	369	33.7	5.09	851	402	1817	2297	3853	2473	2250	5197	5603	1754	2095
34 1962 Federal Report Surplus Deficit	1494	599	124	-266	529	410	1480	1640	154	4127	5392	4652	4018	1653	1675
35 1963 Federal Report Surplus Deficit	1366	850	-30.0	547	1648	2062	2512	1963	1124	516	1875	3995	3725	2434	1858
36 1964 Federal Report Surplus Deficit	1349	568	618	-221	552	351	382	454	376	2783	1722	4427	6312	4497	1745
37 1965 Federal Report Surplus Deficit	2862	2073	1111	713	1308	3200	4942	5885	4714	2026	5599	5641	4610	2543	3405
38 1966 Federal Report Surplus Deficit	2463	1952	85.7	224	776	644	1091	1240	634	4252	2551	2763	3443	2544	1585

Federal Report Surplus Deficit By Water Year

Operating Year 2020

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
39 1967 Federal Report Surplus Deficit	2065	434	95.7	-237	255	1168	3273	3254	3088	1598	109	4105	5984	4023	2256
40 1968 Federal Report Surplus Deficit	2023	1467	492	120	1037	666	1913	2714	2914	226	1225	2507	4992	3014	1899
41 1969 Federal Report Surplus Deficit	2181	1293	1608	834	2158	1597	4080	4196	3592	4101	5370	6179	4989	2656	3188
42 1970 Federal Report Surplus Deficit	1148	486	244	198	699	-62.8	1810	1728	1171	941	1619	4315	5796	676	1549
43 1971 Federal Report Surplus Deficit	1061	281	89.3	-145	309	731	4210	5614	4460	4063	4568	6279	6282	4361	3087
44 1972 Federal Report Surplus Deficit	2770	2794	707	320	851	975	3963	4836	6200	5454	3516	6015	5932	4458	3457
45 1973 Federal Report Surplus Deficit	3321	2994	839	260	851	603	1425	765	79.0	-751	833	2629	707	532	996
46 1974 Federal Report Surplus Deficit	653	-51.5	79.8	-219	421	1669	5311	5758	5713	4776	5283	5829	6011	5119	3410
47 1975 Federal Report Surplus Deficit	3122	2972	762	-311	276	103	2050	2046	2386	719	1628	5125	6393	4729	2318
48 1976 Federal Report Surplus Deficit	2000	1707	904	963	2412	3886	3935	3729	4494	4645	4314	6272	5048	4115	3509
49 1977 Federal Report Surplus Deficit	3810	3815	3283	323	390	-470	-578	576	-544	-932	346	1000	-91.9	-27.1	613
50 1978 Federal Report Surplus Deficit	968	37.4	-422	-568	387	835	1435	1598	1624	4040	2992	4898	3405	2518	1642
51 1979 Federal Report Surplus Deficit	1039	297	1742	347	744	-344	-131	1136	1426	547	2086	4691	2704	-228	1167
52 1980 Federal Report Surplus Deficit	682	85.6	324	-109	382	-723	722	-174	-25.6	1755	3274	6006	5200	1397	1324
53 1981 Federal Report Surplus Deficit	541	101	370	-161	814	2071	3344	3290	1307	-324	1589	4112	5888	3718	2137
54 1982 Federal Report Surplus Deficit	3148	2233	484	-34.3	1108	682	2642	5526	5586	4002	3546	5836	6182	5145	3292
55 1983 Federal Report Surplus Deficit	2995	2669	1534	866	1153	1199	3222	3593	4784	2945	2786	4762	4927	4135	2989
56 1984 Federal Report Surplus Deficit	2831	1623	839	147	2698	1494	2643	3061	3017	4486	4949	5104	6010	3539	2949
57 1985 Federal Report Surplus Deficit	2535	994	822	206	1139	571	966	898	989	2440	3673	4377	2480	509	1478
58 1986 Federal Report Surplus Deficit	153	-517	243	490	1497	760	2008	3175	5620	4680	4938	3812	4419	1450	2331
59 1987 Federal Report Surplus Deficit	899	198	-64.4	-275	965	654	32.8	462	1150	-118	1651	4061	2638	-85.4	904
60 1988 Federal Report Surplus Deficit	319	-361	-17.7	-229	250	-764	-921	-1189	29.8	-161	1445	2480	1396	961	221
61 1989 Federal Report Surplus Deficit	871	132	72.7	-277	580	174	-456	-1171	1193	1874	5356	3989	2804	804	988
62 1990 Federal Report Surplus Deficit	494	-36.4	147	-107	842	1101	1196	3174	2801	1608	4807	3608	4790	2315	1931
63 1991 Federal Report Surplus Deficit	2305	1655	83.1	-274	2469	1785	3078	2760	3022	2778	2409	4207	4639	4068	2533
64 1992 Federal Report Surplus Deficit	3042	1727	60.3	-270	338	-674	-46.3	753	1093	-838	765	2421	858	256	595
65 1993 Federal Report Surplus Deficit	561	-148	-162	-239	485	-309	-1577	-1060	808	1025	1901	4526	3635	836	719
66 1994 Federal Report Surplus Deficit	1009	443	367	-126	608	-114	-1020	-511	340	-378	1429	2604	2561	582	545
67 1995 Federal Report Surplus Deficit	759	-38.0	176	-226	39.5	-125	707	1172	1221	2600	1934	4213	5272	1949	1413
68 1996 Federal Report Surplus Deficit	914	356	688	803	3365	4744	5017	5568	6394	4208	5672	5840	5085	4189	3934
69 1997 Federal Report Surplus Deficit	2863	1722	474	21.0	1038	1658	5446	6016	6051	4645	5647	6155	5997	4471	3722
70 1998 Federal Report Surplus Deficit	2739	2812	1499	2333	2008	574	928	1931	1164	1398	2685	6012	5944	2198	2449
71 1999 Federal Report Surplus Deficit	1829	526	90.4	-153	255	1487	3853	4399	4567	2626	4177	4646	5983	4518	2846
72 2000 Federal Report Surplus Deficit	3530	2884	873	11.1	2890	2120	1901	1950	2282	3820	5204	4832	2206	2054	2403
73 2001 Federal Report Surplus Deficit	1577	-50.7	-152	-84.8	282	-449	-379	-249	-242	-713	435	1914	-535	107	71.6
74 2002 Federal Report Surplus Deficit	1027	-58.7	-348	-667	297	27.0	-657	-279	473	1481	4198	3690	5516	3456	1234
75 2003 Federal Report Surplus Deficit	1304	514	331	-48.7	510	-313	-839	-530	1816	1478	2296	3609	5207	515	1086
76 2004 Federal Report Surplus Deficit	438	-341	-215	-182	1002	655	-56.0	-748	741	828	1813	3404	3041	1077	843
77 2005 Federal Report Surplus Deficit	810	399	1037	319	766	897	1130	1266	233	-142	1314	3885	3115	860	1222

Federal Report Surplus Deficit By Water Year

Operating Year 2020

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
78 2006 Federal Report Surplus Deficit	1099	59.2	226	-168	967	614	2417	2956	2371	4343	5286	5779	5298	1798	2294
79 2007 Federal Report Surplus Deficit	597	111	-129	-267	995	702	1884	1349	3155	3100	2216	4305	3130	2269	1702
80 2008 Federal Report Surplus Deficit	817	-69.4	-278	-34.8	857	-103	56.4	195	671	1040	177	5103	6493	2669	1384
Ranked Averages															
81 Bottom 10 pct	1064	271	82.0	-164	367	-408	-954	-559	-158	-245	580	2111	879	293	195
82 Middle 80 pct	1619	878	465	105	895	694	1421	1704	1992	2137	3025	4500	4488	2332	1866
83 Top 10 pct	2275	1537	610	469	1745	2763	4683	5156	5433	4281	5018	5952	5376	4069	3563

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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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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Federal Report Surplus Deficit	985	982	19.5	-304	143	-588	-734	-520	-348	-572	1071	1383	1222	-903	51.1
2 1930 Federal Report Surplus Deficit	477	63.1	-67.7	-187	261	-568	-1361	-481	-335	388	1312	892	-309	477	-46.0
3 1931 Federal Report Surplus Deficit	672	109	-194	-244	364	-435	-1658	-1225	304	360	-831	1576	-482	494	-103
4 1932 Federal Report Surplus Deficit	922	79.4	-168	-503	-93.4	-490	-1373	-1793	1127	3684	4392	5177	4429	1819	1067
5 1933 Federal Report Surplus Deficit	1099	789	355	-257	128	875	2003	2103	2249	1472	1979	3310	5882	4253	1962
6 1934 Federal Report Surplus Deficit	2716	1978	449	388	2883	3996	4483	4158	4662	4614	4248	3891	2959	940	2958
7 1935 Federal Report Surplus Deficit	21.3	-47.1	-475	-322	-353	-252	1785	1756	2176	92.8	2277	2728	1999	2332	1044
8 1936 Federal Report Surplus Deficit	2075	209	-242	-334	124	-587	-1590	-625	-75.4	444	3897	5046	4058	903	834
9 1937 Federal Report Surplus Deficit	409	-53.7	-310	-230	354	-493	-1624	-1012	-408	-208	-466	2082	671	-56.8	-94.0
10 1938 Federal Report Surplus Deficit	569	-79.5	-138	-269	254	253	1246	1651	2430	3049	5085	4589	3324	2017	1635
11 1939 Federal Report Surplus Deficit	26.2	-256	122	-233	17.8	-676	339	212	507	1532	3252	3065	568	779	582
12 1940 Federal Report Surplus Deficit	343	-53.0	-231	-155	554	424	-91.8	134	2641	1755	2555	2806	1116	288	819
13 1941 Federal Report Surplus Deficit	270	-279	-177	-421	352	-82.5	-959	-569	-130	-666	630	2118	694	566	118
14 1942 Federal Report Surplus Deficit	769	69.9	102	-502	773	1540	1113	623	342	479	2280	2623	2537	3235	1186
15 1943 Federal Report Surplus Deficit	1259	796	561	-212	-147	76.4	2295	1913	2715	5142	5559	3906	5659	3891	2248
16 1944 Federal Report Surplus Deficit	1363	555	-4.63	-313	192	-618	-458	-415	-428	-670	761	706	-976	-255	-129
17 1945 Federal Report Surplus Deficit	678	-226	-225	-389	221	-462	-1354	-916	-403	-549	-622	3542	3558	-348	242
18 1946 Federal Report Surplus Deficit	283	-52.6	-202	-359	311	355	1191	1239	1724	3689	5179	4701	3218	2811	1627
19 1947 Federal Report Surplus Deficit	1933	1589	418	-362	846	2722	3205	2827	3256	2588	2943	4619	3475	2597	2344
20 1948 Federal Report Surplus Deficit	1178	316	243	2009	2030	1365	3128	2097	2340	1975	4323	5670	5720	3393	2660
21 1949 Federal Report Surplus Deficit	2799	2392	814	6.65	542	124	986	435	3575	2645	4701	5218	3427	-91.3	1782
22 1950 Federal Report Surplus Deficit	-20.5	-506	-702	-350	-6.17	423	2813	3514	3236	3851	3909	3937	5800	5030	2265
23 1951 Federal Report Surplus Deficit	2760	2274	652	688	2364	2849	4183	4558	5153	4319	4132	4712	3382	3727	3246
24 1952 Federal Report Surplus Deficit	2023	529	325	1511	1359	1465	2607	2357	2666	4101	5488	5725	3724	2285	2506
25 1953 Federal Report Surplus Deficit	1368	111	-403	-293	173	-552	-381	2916	1332	666	1848	3366	5947	4091	1500
26 1954 Federal Report Surplus Deficit	1420	921	432	-54.1	848	853	2149	3243	3082	2168	2955	4535	4891	4883	2377
27 1955 Federal Report Surplus Deficit	3414	3197	2374	73.4	1450	785	-99.5	569	-714	87.3	1482	2968	5719	4784	1835
28 1956 Federal Report Surplus Deficit	2749	1527	191	239	1952	2741	4271	4348	4292	3653	5158	5616	5599	3818	3293
29 1957 Federal Report Surplus Deficit	2090	1895	447	178	488	1033	1319	98.9	2658	3493	2776	6027	5907	1575	2083
30 1958 Federal Report Surplus Deficit	972	293	-75.1	-231	368	-6.67	1787	1380	2381	1639	3519	5162	4898	1265	1677
31 1959 Federal Report Surplus Deficit	1056	171	-72.2	-62.0	1419	2246	3747	3402	3348	3121	2773	3764	5103	4386	2564
32 1960 Federal Report Surplus Deficit	2770	2224	2764	2750	2965	2080	2076	1543	2063	5485	3994	2814	4025	2529	2737
33 1961 Federal Report Surplus Deficit	1748	99.1	-18.3	-112	727	280	1740	2058	3696	2436	2148	4391	5146	1601	1888
34 1962 Federal Report Surplus Deficit	1044	438	-67.8	-383	405	288	1403	1442	105	4010	4949	3962	3129	1501	1410
35 1963 Federal Report Surplus Deficit	1436	564	-66.9	430	1523	1939	2386	1756	1076	468	1828	3312	2833	2282	1636
36 1964 Federal Report Surplus Deficit	1271	368	564	-338	428	229	305	256	328	2728	1668	3638	5993	4608	1588
37 1965 Federal Report Surplus Deficit	2701	1989	1081	596	1185	3010	4852	5768	4378	1858	5150	4901	3762	2391	3133
38 1966 Federal Report Surplus Deficit	2462	1768	53.0	108	652	522	1014	1042	586	4106	2515	2107	2601	2392	1374

Federal Report Surplus Deficit By Water Year

Operating Year 2021

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
39 1967 Federal Report Surplus Deficit	1816	249	21.7	-354	132	1045	3105	2979	2977	1411	47.6	3488	5490	3970	2046
40 1968 Federal Report Surplus Deficit	1845	1259	452	2.94	913	543	1832	2442	2841	178	1178	1834	4212	2864	1674
41 1969 Federal Report Surplus Deficit	2060	1213	1583	723	2033	1475	4070	3855	3286	4057	4970	5500	4308	2502	2947
42 1970 Federal Report Surplus Deficit	893	265	154	81.2	575	-185	1704	1530	1213	797	1570	3481	5015	524	1314
43 1971 Federal Report Surplus Deficit	848	120	-196	-262	186	608	4326	5010	4358	3762	4279	5476	5782	4232	2820
44 1972 Federal Report Surplus Deficit	2751	2596	671	203	727	853	3816	4518	5927	5044	3434	5264	5463	4516	3233
45 1973 Federal Report Surplus Deficit	3090	2797	805	142	728	481	1347	567	30.4	-799	786	2005	-182	379	776
46 1974 Federal Report Surplus Deficit	493	-76.6	-265	-337	295	1547	5262	5237	5558	4453	4864	5050	5655	5108	3153
47 1975 Federal Report Surplus Deficit	2886	2844	726	-428	152	-19.1	1945	1848	2393	631	1562	4255	5649	4494	2085
48 1976 Federal Report Surplus Deficit	1764	1322	874	849	2286	3719	3787	3712	3981	4371	4172	5482	4197	4151	3237
49 1977 Federal Report Surplus Deficit	3651	3657	3261	206	266	-592	-130	-250	-592	-979	300	373	-989	-261	387
50 1978 Federal Report Surplus Deficit	739	-121	-721	-686	263	713	1358	1530	1449	3874	2910	4112	2510	2364	1381
51 1979 Federal Report Surplus Deficit	760	96.9	1355	230	621	-466	-208	938	1378	526	2012	4018	1808	-381	911
52 1980 Federal Report Surplus Deficit	320	-255	17.3	-227	259	-845	644	-372	-73.7	1711	3231	5391	4359	1245	1078
53 1981 Federal Report Surplus Deficit	508	63.0	124	-278	689	1938	3083	2991	1258	-301	1538	3436	5550	3668	1940
54 1982 Federal Report Surplus Deficit	2705	2266	446	-152	985	560	2516	5317	5477	3745	3444	5033	5379	5072	3045
55 1983 Federal Report Surplus Deficit	2744	2559	1501	749	1030	1077	3062	3294	4681	2822	2702	4067	4060	4010	2745
56 1984 Federal Report Surplus Deficit	2416	2021	805	29.6	2573	1372	2483	2762	2966	4290	4788	4411	5231	3386	2724
57 1985 Federal Report Surplus Deficit	2044	699	786	88.8	1015	449	888	700	941	2361	3607	3709	1599	356	1239
58 1986 Federal Report Surplus Deficit	-298	-569	-123	375	1372	638	1920	3023	5401	4436	4850	3206	3599	1296	2065
59 1987 Federal Report Surplus Deficit	929	-38.8	-218	-392	841	532	-44.4	264	1101	-14.0	1505	3411	1741	-240	683
60 1988 Federal Report Surplus Deficit	150	-408	-353	-346	126	-887	-998	-1387	-18.7	-208	1398	1862	499	803	-11.4
61 1989 Federal Report Surplus Deficit	654	-15.5	-198	-395	456	52.1	-546	-1369	1190	1740	4989	3345	1908	636	739
62 1990 Federal Report Surplus Deficit	322	-87.6	-224	-224	718	979	1119	2904	2748	1625	4423	2953	4213	2162	1694
63 1991 Federal Report Surplus Deficit	2051	1262	-29.4	-392	2344	1663	2884	2553	2943	2651	2289	3560	3821	4205	2305
64 1992 Federal Report Surplus Deficit	2809	1523	19.7	-387	215	-796	-124	555	1045	-886	719	1788	-38.8	102	372
65 1993 Federal Report Surplus Deficit	313	-278	-486	-356	361	-431	-1654	-1258	759	977	1854	3897	2586	849	483
66 1994 Federal Report Surplus Deficit	711	236	40.3	-243	484	-236	-1097	-709	292	-385	1369	1980	1652	427	300
67 1995 Federal Report Surplus Deficit	605	-99.3	-130	-343	-84.1	-247	630	974	1172	2522	1887	3595	4466	1797	1187
68 1996 Federal Report Surplus Deficit	643	234	421	689	3241	4843	4894	5233	5841	4051	5242	5090	4233	4216	3641
69 1997 Federal Report Surplus Deficit	2552	1563	437	-96.3	915	1536	5434	5662	5885	4319	5250	5477	5592	4525	3504
70 1998 Federal Report Surplus Deficit	2575	2621	1470	2209	1883	452	851	1732	1116	1346	2634	5343	5187	2046	2240
71 1999 Federal Report Surplus Deficit	2054	825	28.2	-270	131	1364	3836	3811	4483	2620	4077	3981	5179	4554	2651
72 2000 Federal Report Surplus Deficit	3492	2686	836	-106	2765	1997	1823	1898	2083	3699	4723	4139	1310	1901	2162
73 2001 Federal Report Surplus Deficit	1640	-198	-384	-202	158	-571	-429	-479	-290	-760	389	1295	-1432	-48.4	-150
74 2002 Federal Report Surplus Deficit	725	-232	-651	-784	173	-95.3	-760	-475	451	1471	4057	3042	4961	3304	1017
75 2003 Federal Report Surplus Deficit	791	651	-49.6	-166	387	-435	-916	-728	1767	1460	2232	2973	4450	361	855
76 2004 Federal Report Surplus Deficit	47.5	-277	-472	-299	878	533	-133	-946	691	806	1749	2742	2140	925	610
77 2005 Federal Report Surplus Deficit	62.4	180	416	202	642	774	833	1334	217	-213	1266	3273	2241	707	937

Federal Report Surplus Deficit By Water Year

Operating Year 2021

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
78 2006 Federal Report Surplus Deficit	758	43.7	-252	-286	844	492	2274	2734	2337	4244	4981	5046	4700	1646	2034
79 2007 Federal Report Surplus Deficit	489	-145	-509	-385	870	580	1800	1151	3049	2970	2167	3645	2235	2120	1444
80 2008 Federal Report Surplus Deficit	521	-243	-644	-152	734	-225	-41.4	20.2	622	1003	125	4379	6111	2516	1171
Ranked Averages															
81 Bottom 10 pct	746	96.2	-184	-281	244	-530	-1028	-761	-207	-292	533	1489	-14.1	135	-45.6
82 Middle 80 pct	1385	740	264	-12.4	771	572	1327	1469	1924	2049	2886	3805	3748	2215	1633
83 Top 10 pct	2052	1428	508	354	1621	2637	4562	4880	5127	4008	4675	5199	4735	4056	3305

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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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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Federal Report Surplus Deficit	973	847	-137	-402	52.4	-679	-821	-609	-455	-660	979	1868	1970	-817	87.6
2 1930 Federal Report Surplus Deficit	468	-139	-219	-285	170	-659	-1448	-571	-441	300	1220	1376	441	563	-11.8
3 1931 Federal Report Surplus Deficit	654	-103	-344	-342	274	-527	-1745	-1314	197	272	-923	2059	268	580	-70.1
4 1932 Federal Report Surplus Deficit	914	-132	-318	-601	-184	-581	-1459	-1882	1021	3516	4160	5614	5080	1904	1080
5 1933 Federal Report Surplus Deficit	1087	655	202	-355	36.8	784	1851	2126	2057	1220	1887	3785	6473	4285	1969
6 1934 Federal Report Surplus Deficit	2704	1843	293	290	2631	3760	4220	4060	4416	4485	4123	4239	3678	1026	2924
7 1935 Federal Report Surplus Deficit	13.3	-258	-625	-420	-444	-344	1613	1636	2055	4.63	2186	3253	2748	2419	1071
8 1936 Federal Report Surplus Deficit	2064	23.9	-393	-432	33.5	-679	-1677	-715	-182	351	3729	5458	4709	989	852
9 1937 Federal Report Surplus Deficit	401	-264	-460	-328	263	-585	-1711	-1101	-515	-296	-557	2566	1420	29.2	-60.1
10 1938 Federal Report Surplus Deficit	560	-285	-290	-367	164	161	1159	1547	2297	2870	4847	4916	4008	2104	1637
11 1939 Federal Report Surplus Deficit	16.1	-444	-29.5	-331	-73.0	-767	252	123	401	1363	3234	3543	1357	865	619
12 1940 Federal Report Surplus Deficit	335	-263	-381	-253	463	332	-179	44.7	2494	1633	2464	3307	1865	374	850
13 1941 Federal Report Surplus Deficit	184	-490	-327	-519	261	-174	-1046	-659	-236	-754	538	2603	1443	652	149
14 1942 Federal Report Surplus Deficit	761	-139	-49.7	-600	682	1417	1026	533	235	389	2186	3108	3284	3323	1217
15 1943 Federal Report Surplus Deficit	1225	608	406	-310	-238	-15.3	2104	1803	2501	5057	5485	4332	6296	4015	2252
16 1944 Federal Report Surplus Deficit	1352	418	-160	-411	101	-709	-519	-535	-535	-758	669	1192	-226	-170	-92.0
17 1945 Federal Report Surplus Deficit	629	-437	-375	-487	130	-553	-1441	-1005	-510	-637	-714	3992	4227	-262	264
18 1946 Federal Report Surplus Deficit	273	-243	-355	-457	220	263	1104	1150	1617	3502	5057	5059	3911	2900	1641
19 1947 Federal Report Surplus Deficit	1922	1425	262	-460	755	2554	2992	2783	3096	2389	2877	4969	4160	2682	2341
20 1948 Federal Report Surplus Deficit	1166	152	85.9	1825	1898	1268	2930	1967	2230	1771	4153	6072	6277	3495	2641
21 1949 Federal Report Surplus Deficit	2788	2255	657	-91.4	451	32.2	899	346	3379	2414	4535	5636	4087	-5.52	1789
22 1950 Federal Report Surplus Deficit	-30.8	-717	-855	-448	-97.0	332	2544	3482	3138	3803	3664	4326	6353	5000	2250
23 1951 Federal Report Surplus Deficit	2749	2137	494	590	2198	2681	3896	4402	4962	4241	3939	5031	4054	3811	3216
24 1952 Federal Report Surplus Deficit	2011	314	165	1341	1268	1371	2428	2274	2447	3890	5370	6070	4408	2371	2493
25 1953 Federal Report Surplus Deficit	1357	-23.7	-554	-391	82.2	-644	-468	2767	1225	576	1754	3853	6558	4177	1521
26 1954 Federal Report Surplus Deficit	1518	784	279	-152	758	762	2003	3077	2863	2071	2883	4844	5425	4919	2362
27 1955 Federal Report Surplus Deficit	3477	3059	2206	-24.6	1358	693	-186	480	-820	-0.81	1390	3498	6309	4746	1854
28 1956 Federal Report Surplus Deficit	2737	1391	36.5	141	1816	2572	4035	4194	4158	3547	5021	5950	6137	3907	3267
29 1957 Federal Report Surplus Deficit	2078	1757	292	80.3	398	941	1226	9.44	2508	3309	2691	6396	6501	1660	2089
30 1958 Federal Report Surplus Deficit	963	147	-226	-329	277	-98.3	1661	1627	1928	1533	3376	5612	5512	1351	1690
31 1959 Federal Report Surplus Deficit	1048	-16.3	-224	-160	1328	2078	3541	3353	3237	2963	2698	4101	5710	4402	2553
32 1960 Federal Report Surplus Deficit	2467	2064	2591	2526	2717	1912	1952	1448	1897	5319	3785	3317	4666	2615	2704
33 1961 Federal Report Surplus Deficit	1736	-38.2	-174	-210	636	188	1595	1922	3505	2265	2115	4800	5739	1686	1889
34 1962 Federal Report Surplus Deficit	1034	252	-220	-481	315	196	1316	1352	-1.28	3853	4808	4448	3837	1587	1436
35 1963 Federal Report Surplus Deficit	1425	419	-221	332	1432	1792	2150	1618	969	380	1737	3826	3546	2367	1650
36 1964 Federal Report Surplus Deficit	1259	167	409	-436	337	137	218	166	222	2554	1583	4121	6404	4680	1589
37 1965 Federal Report Surplus Deficit	2690	1851	921	495	1094	2842	4815	5199	4272	1712	4996	5278	4403	2477	3107
38 1966 Federal Report Surplus Deficit	2451	1598	-108	10.00	561	430	927	953	479	3931	2422	2622	3357	2477	1408

Federal Report Surplus Deficit By Water Year

Operating Year 2022

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
39 1967 Federal Report Surplus Deficit	1807	53.2	-133	-452	41.0	954	2869	2885	2882	1424	-64.9	3884	5998	4056	2044
40 1968 Federal Report Surplus Deficit	1834	1125	299	-95.1	822	452	1680	2339	2603	91.3	1085	2368	4837	2950	1688
41 1969 Federal Report Surplus Deficit	2049	1059	1419	609	1907	1379	3834	3822	3004	3745	4820	5825	4913	2589	2917
42 1970 Federal Report Surplus Deficit	881	77.9	-0.95	-16.8	484	-277	1587	1434	1016	805	1481	4003	5668	609	1337
43 1971 Federal Report Surplus Deficit	836	-16.0	-349	-360	95.1	517	4028	4954	4274	3626	4083	5810	6216	4305	2798
44 1972 Federal Report Surplus Deficit	2660	2459	514	105	637	761	3532	4427	5744	4793	3252	5521	5954	4502	3183
45 1973 Federal Report Surplus Deficit	2812	2660	648	44.4	637	390	1257	477	-76.0	-887	694	2484	568	465	801
46 1974 Federal Report Surplus Deficit	485	-288	-417	-435	204	1441	4977	5081	5410	4362	4712	5405	6155	5130	3120
47 1975 Federal Report Surplus Deficit	2874	2707	570	-526	61.7	-111	1794	1741	2230	580	1487	4629	6305	4582	2095
48 1976 Federal Report Surplus Deficit	1753	1185	713	726	2126	3551	3589	3635	3769	4302	3946	5816	4808	4236	3212
49 1977 Federal Report Surplus Deficit	3855	3501	2898	108	176	-684	-217	-340	-699	-1068	208	858	-239	-176	415
50 1978 Federal Report Surplus Deficit	653	-332	-871	-784	173	621	1271	1440	1342	3688	2812	4490	3229	2451	1395
51 1979 Federal Report Surplus Deficit	749	-40.4	1195	132	530	-558	-295	848	1272	410	1947	4486	2557	-295	946
52 1980 Federal Report Surplus Deficit	312	-449	-135	-325	168	-937	557	-462	-180	1597	3126	5711	4958	1331	1085
53 1981 Federal Report Surplus Deficit	497	-94.4	-33.2	-376	599	1783	2798	2842	1152	-460	1450	3938	6195	3753	1939
54 1982 Federal Report Surplus Deficit	2670	2130	292	-250	894	468	2330	5167	5296	3631	3322	5373	6035	5121	3036
55 1983 Federal Report Surplus Deficit	2463	2422	1345	643	939	985	2834	3145	4506	2613	2623	4497	4680	4094	2727
56 1984 Federal Report Surplus Deficit	2404	1884	648	-68.4	2385	1280	2285	2612	2774	4124	4620	4792	5909	3480	2711
57 1985 Federal Report Surplus Deficit	2032	564	630	-9.22	925	357	906	653	671	2204	3447	4190	2348	442	1268
58 1986 Federal Report Surplus Deficit	-306	-779	-282	277	1281	546	1775	2805	5273	4322	4619	3641	4228	1382	2060
59 1987 Federal Report Surplus Deficit	921	-250	-373	-490	751	440	-131	175	995	-254	1512	3869	2490	-155	712
60 1988 Federal Report Surplus Deficit	142	-619	-504	-444	35.5	-978	-1085	-1476	-125	-296	1307	2346	1249	889	22.3
61 1989 Federal Report Surplus Deficit	633	-227	-348	-493	365	-39.6	-633	-1458	1039	1701	4822	3801	2657	722	765
62 1990 Federal Report Surplus Deficit	285	-303	-381	-322	627	887	1032	2848	2585	1435	4279	3455	4857	2248	1710
63 1991 Federal Report Surplus Deficit	2040	1125	-183	-490	2164	1510	2628	2483	2810	2571	2257	3986	4451	4236	2297
64 1992 Federal Report Surplus Deficit	2530	1387	-134	-485	124	-888	-210	465	938	-974	627	2282	711	187	399
65 1993 Federal Report Surplus Deficit	305	-484	-637	-454	270	-523	-1741	-1348	653	887	1761	4314	3333	935	511
66 1994 Federal Report Surplus Deficit	699	95.2	-118	-341	394	-328	-1184	-798	185	-513	1291	2463	2416	512	336
67 1995 Federal Report Surplus Deficit	585	-311	-280	-441	-175	-338	543	885	1066	2344	1791	4015	5096	1883	1201
68 1996 Federal Report Surplus Deficit	631	24.7	266	591	2986	4606	4609	5186	5654	3863	5060	5405	4858	4306	3596
69 1997 Federal Report Surplus Deficit	2271	1403	281	-194	824	1444	5198	5546	5733	4186	5081	5769	6171	4568	3471
70 1998 Federal Report Surplus Deficit	2278	2483	1310	2018	1781	360	764	1620	1009	1258	2542	5739	5779	2132	2233
71 1999 Federal Report Surplus Deficit	2042	615	-124	-368	40.4	1273	3600	3661	4290	2358	3947	4399	5835	4548	2630
72 2000 Federal Report Surplus Deficit	3557	2549	683	-204	2557	1840	1684	1781	1977	3535	4606	4578	2060	1987	2172
73 2001 Federal Report Surplus Deficit	1632	-401	-536	-300	67.4	-663	-516	-569	-397	-848	297	1777	-682	37.3	-117
74 2002 Federal Report Surplus Deficit	717	-444	-801	-882	82.3	-187	-846	-565	345	1341	3904	3531	5588	3392	1037
75 2003 Federal Report Surplus Deficit	779	517	-203	-264	296	-527	-1003	-817	1660	1333	2156	3462	5056	446	879
76 2004 Federal Report Surplus Deficit	39.5	-487	-622	-397	788	441	-220	-1036	586	692	1674	3264	2892	1010	647
77 2005 Federal Report Surplus Deficit	51.7	9.99	254	104	551	683	746	1245	78.0	-278	1176	3714	3008	793	968

Federal Report Surplus Deficit By Water Year

Operating Year 2022

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
78 2006 Federal Report Surplus Deficit	750	-168	-406	-384	753	401	2091	2649	2187	4016	4906	5498	5348	1732	2040
79 2007 Federal Report Surplus Deficit	481	-355	-659	-483	779	488	1674	1061	2858	2793	2071	4105	2985	2206	1462
80 2008 Federal Report Surplus Deficit	513	-455	-794	-250	643	-317	-128	-69.3	516	904	39.0	4763	6640	2602	1178
Ranked Averages															
81 Bottom 10 pct	726	-93.8	-336	-379	153	-622	-1111	-854	-313	-380	441	1973	735	220	-11.5
82 Middle 80 pct	1357	567	106	-117	669	470	1192	1378	1778	1912	2775	4240	4408	2292	1642
83 Top 10 pct	1997	1270	351	252	1486	2487	4331	4709	4963	3876	4501	5522	5317	4117	3272

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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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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Federal Report Surplus Deficit	955	895	-126	-464	-21.6	-757	-892	-680	-523	-778	944	1247	1078	-962	-89.9
2 1930 Federal Report Surplus Deficit	450	-90.9	-208	-346	96.1	-737	-1519	-642	-510	182	1184	756	-453	419	-189
3 1931 Federal Report Surplus Deficit	635	-54.9	-332	-404	200	-604	-1816	-1385	129	154	-958	1438	-626	436	-248
4 1932 Federal Report Surplus Deficit	895	-84.2	-307	-662	-258	-658	-1531	-1953	951	3374	4099	4995	4242	1760	905
5 1933 Federal Report Surplus Deficit	1069	702	214	-416	-37.3	707	1779	2055	1987	1100	1848	3163	5645	4138	1796
6 1934 Federal Report Surplus Deficit	2686	1890	304	229	2557	3682	4149	3989	4344	4356	4076	3632	2790	882	2747
7 1935 Federal Report Surplus Deficit	-5.00	-211	-614	-481	-518	-421	1541	1565	1985	-114	2149	2628	1854	2275	893
8 1936 Federal Report Surplus Deficit	2045	71.5	-382	-493	-40.6	-756	-1748	-786	-250	233	3693	4876	3871	845	682
9 1937 Federal Report Surplus Deficit	383	-216	-449	-389	189	-662	-1782	-1172	-583	-414	-593	1941	527	-115	-238
10 1938 Federal Report Surplus Deficit	542	-237	-279	-428	89.5	84.0	1088	1476	2228	2741	4798	4289	3116	1958	1458
11 1939 Federal Report Surplus Deficit	-2.12	-396	-18.1	-393	-147	-845	181	51.8	332	1249	3202	2935	463	721	443
12 1940 Federal Report Surplus Deficit	317	-216	-370	-315	389	255	-250	-26.3	2423	1512	2425	2691	972	230	672
13 1941 Federal Report Surplus Deficit	166	-443	-316	-580	187	-251	-1118	-730	-305	-871	503	1974	550	508	-29.7
14 1942 Federal Report Surplus Deficit	743	-91.7	-38.3	-661	608	1340	954	462	167	269	2148	2484	2393	3179	1039
15 1943 Federal Report Surplus Deficit	1207	656	417	-371	-312	-92.4	2032	1732	2432	4927	5450	3724	5412	3875	2076
16 1944 Federal Report Surplus Deficit	1333	465	-149	-472	27.0	-786	-590	-606	-603	-875	634	569	-1120	-314	-270
17 1945 Federal Report Surplus Deficit	611	-390	-363	-548	56.1	-631	-1513	-1076	-578	-754	-749	3366	3353	-406	87.8
18 1946 Federal Report Surplus Deficit	255	-195	-344	-519	146	186	1032	1079	1549	3363	5000	4418	3025	2756	1461
19 1947 Federal Report Surplus Deficit	1904	1473	273	-521	681	2476	2920	2712	3026	2271	2838	4374	3277	2539	2166
20 1948 Federal Report Surplus Deficit	1148	199	97.3	1764	1824	1190	2859	1896	2161	1662	4125	5451	5567	3353	2480
21 1949 Federal Report Surplus Deficit	2769	2303	656	-153	377	-45.0	827	275	3308	2279	4483	5037	3216	-150	1612
22 1950 Federal Report Surplus Deficit	-49.1	-670	-844	-509	-171	254	2472	3411	3067	3672	3614	3715	5553	4859	2079
23 1951 Federal Report Surplus Deficit	2730	2184	505	529	2124	2604	3905	4049	4732	4110	3889	4442	3167	3652	3010
24 1952 Federal Report Surplus Deficit	1993	362	176	1280	1194	1294	2357	2203	2377	3758	5321	5449	3547	2226	2316
25 1953 Federal Report Surplus Deficit	1339	24.0	-543	-452	8.18	-721	-540	2696	1156	458	1719	3233	5690	4043	1346
26 1954 Federal Report Surplus Deficit	1500	832	290	-213	684	685	1932	3006	2794	1950	2843	4226	4563	4784	2187
27 1955 Federal Report Surplus Deficit	3422	3107	2124	-85.8	1284	616	-258	409	-889	-117	1356	2882	5544	4628	1680
28 1956 Federal Report Surplus Deficit	2719	1439	47.9	80.1	1742	2495	3964	4123	4091	3429	4985	5328	5368	3748	3099
29 1957 Federal Report Surplus Deficit	2060	1805	303	19.1	324	864	1155	-61.5	2436	3181	2645	5774	5652	1516	1913
30 1958 Federal Report Surplus Deficit	945	195	-215	-390	203	-175	1589	1556	1858	1403	3328	5010	4625	1207	1513
31 1959 Federal Report Surplus Deficit	1030	31.4	-212	-221	1254	2001	3469	3282	3166	2842	2659	3483	4869	4268	2380
32 1960 Federal Report Surplus Deficit	2717	2112	2508	2465	2643	1835	1881	1377	1827	5156	3704	2698	3811	2471	2530
33 1961 Federal Report Surplus Deficit	1718	9.41	-162	-271	562	111	1523	1851	3436	2136	2066	4196	4884	1543	1715
34 1962 Federal Report Surplus Deficit	1016	300	-209	-543	240	119	1244	1281	-69.8	3707	4745	3824	2956	1443	1257
35 1963 Federal Report Surplus Deficit	1406	467	-209	271	1358	1715	2079	1547	901	262	1700	3204	2660	2224	1473
36 1964 Federal Report Surplus Deficit	1241	215	420	-497	263	60.1	147	95.2	153	2430	1541	3501	5759	4541	1432
37 1965 Federal Report Surplus Deficit	2671	1899	914	434	1020	2764	4786	4850	4211	1592	4959	4666	3516	2333	2912
38 1966 Federal Report Surplus Deficit	2432	1645	-96.8	-51.2	487	353	856	882	411	3793	2364	2004	2468	2334	1229

Federal Report Surplus Deficit By Water Year

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
39 1967 Federal Report Surplus Deficit	1788	101	-122	-513	-33.1	877	2798	2814	2810	1307	-100	3285	5292	3922	1885
40 1968 Federal Report Surplus Deficit	1815	1172	310	-156	748	374	1608	2268	2533	-27.9	1050	1743	3961	2804	1511
41 1969 Federal Report Surplus Deficit	2030	1106	1360	548	1833	1302	3762	3751	2927	3570	4726	5224	4057	2445	2733
42 1970 Federal Report Surplus Deficit	863	126	10.3	-78.0	410	-354	1516	1363	947	687	1445	3390	4800	465	1162
43 1971 Federal Report Surplus Deficit	818	31.6	-338	-421	21.0	439	3956	4883	4212	3519	4058	5189	5544	4155	2639
44 1972 Federal Report Surplus Deficit	2642	2506	526	43.3	563	684	3460	4356	5730	4671	3212	4990	5202	4365	3030
45 1973 Federal Report Surplus Deficit	3060	2707	659	-16.8	563	312	1185	406	-144	-1004	659	1864	-326	321	634
46 1974 Federal Report Surplus Deficit	466	-240	-406	-496	130	1364	4905	5010	5336	4208	4640	4787	5357	4971	2946
47 1975 Federal Report Surplus Deficit	2856	2754	581	-588	-12.4	-188	1723	1670	2162	462	1450	4024	5411	4473	1922
48 1976 Federal Report Surplus Deficit	1735	1233	714	664	2052	3474	3518	3564	3694	4145	3871	5207	3956	4081	3033
49 1977 Federal Report Surplus Deficit	3616	3794	2815	46.6	102	-761	-288	-411	-767	-1185	173	237	-1133	-320	231
50 1978 Federal Report Surplus Deficit	635	-285	-859	-845	98.5	544	1199	1369	1274	3561	2766	3872	2341	2305	1217
51 1979 Federal Report Surplus Deficit	730	7.20	1148	70.4	456	-635	-366	777	1203	293	1911	3840	1662	-439	761
52 1980 Federal Report Surplus Deficit	294	-402	-124	-386	93.7	-1014	486	-533	-249	1472	3082	5168	4122	1187	918
53 1981 Federal Report Surplus Deficit	479	-46.8	-21.9	-437	525	1706	2727	2771	1083	-579	1413	3326	5389	3609	1769
54 1982 Federal Report Surplus Deficit	2652	2178	303	-311	820	391	2259	5096	5241	3528	3301	4788	5141	4981	2864
55 1983 Federal Report Surplus Deficit	2445	2470	1293	582	865	908	2762	3074	4428	2490	2582	3865	3818	3958	2545
56 1984 Federal Report Surplus Deficit	2386	1931	659	-130	2311	1203	2213	2541	2704	3979	4556	4177	5015	3331	2531
57 1985 Federal Report Surplus Deficit	2014	611	642	-70.4	851	280	835	582	602	2074	3399	3555	1456	297	1088
58 1986 Federal Report Surplus Deficit	-324	-731	-271	216	1207	469	1703	2734	5214	4199	4579	3019	3357	1238	1885
59 1987 Federal Report Surplus Deficit	902	-202	-361	-551	677	363	-203	104	926	-373	1475	3249	1597	-299	535
60 1988 Federal Report Surplus Deficit	124	-571	-493	-505	-38.6	-1055	-1156	-1547	-194	-414	1271	1726	355	745	-155
61 1989 Federal Report Surplus Deficit	614	-179	-337	-554	291	-117	-704	-1529	970	1583	4784	3183	1763	578	588
62 1990 Federal Report Surplus Deficit	267	-255	-369	-383	553	810	960	2777	2515	1299	4222	2826	3966	2105	1531
63 1991 Federal Report Surplus Deficit	2021	1173	-172	-551	2090	1432	2556	2412	2741	2440	2207	3376	3589	4070	2120
64 1992 Federal Report Surplus Deficit	2779	1434	-123	-546	50.1	-965	-282	394	870	-1091	592	1660	-183	43.4	232
65 1993 Federal Report Surplus Deficit	286	-437	-625	-516	196	-600	-1812	-1419	583	769	1725	3680	2443	790	332
66 1994 Federal Report Surplus Deficit	681	143	-107	-402	319	-405	-1256	-869	117	-630	1255	1840	1522	369	158
67 1995 Federal Report Surplus Deficit	567	-263	-269	-503	-249	-416	472	814	997	2224	1753	3389	4229	1739	1025
68 1996 Federal Report Surplus Deficit	613	72.3	277	530	2912	4529	4537	5115	5620	3772	5051	4830	3998	4159	3430
69 1997 Federal Report Surplus Deficit	2253	1450	293	-256	750	1367	5127	5475	5677	4062	5045	5179	5317	4422	3300
70 1998 Federal Report Surplus Deficit	2260	2531	1262	1957	1707	283	693	1549	940	1140	2505	5128	5022	1988	2063
71 1999 Federal Report Surplus Deficit	2024	663	-113	-430	-33.7	1195	3528	3590	4223	2221	3894	3760	4941	4401	2449
72 2000 Federal Report Surplus Deficit	3501	2597	683	-265	2483	1763	1612	1710	1908	3406	4560	3972	1166	1843	1993
73 2001 Federal Report Surplus Deficit	1613	-354	-525	-361	-6.68	-740	-587	-640	-465	-966	262	1157	-1576	-107	-294
74 2002 Federal Report Surplus Deficit	699	-396	-790	-943	8.23	-264	-918	-636	276	1215	3860	2908	4741	3253	863
75 2003 Federal Report Surplus Deficit	761	565	-191	-325	222	-604	-1075	-888	1590	1214	2120	2836	4222	302	706
76 2004 Federal Report Surplus Deficit	21.2	-440	-611	-458	714	364	-292	-1107	518	574	1638	2640	2001	866	469
77 2005 Federal Report Surplus Deficit	33.4	57.6	265	42.4	477	606	675	1174	9.49	-395	1140	3094	2115	649	791

Federal Report Surplus Deficit By Water Year

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
78 2006 Federal Report Surplus Deficit	732	-120	-395	-445	679	323	2019	2578	2118	3858	4829	4897	4487	1586	1863
79 2007 Federal Report Surplus Deficit	463	-307	-648	-544	705	411	1602	990	2788	2678	2037	3481	2091	2062	1284
80 2008 Federal Report Surplus Deficit	495	-407	-783	-311	569	-394	-200	-140	446	787	3.77	4161	5839	2457	1010
Ranked Averages															
81 Bottom 10 pct	708	-46.2	-325	-440	79.0	-699	-1183	-925	-382	-498	406	1351	-158	76.4	-189
82 Middle 80 pct	1347	619	108	-178	595	393	1120	1307	1709	1787	2732	3624	3551	2150	1467
83 Top 10 pct	1979	1318	359	191	1412	2410	4275	4568	4886	3749	4457	4929	4485	3966	3095

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Federal Report Surplus Deficit By Water Year

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Federal Report Surplus Deficit	899	835	-183	-453	-8.55	-744	-871	-534	-513	-722	925	1823	1918	-864	43.6
2 1930 Federal Report Surplus Deficit	394	-151	-265	-335	109	-724	-1498	-496	-499	238	1166	1332	388	516	-55.5
3 1931 Federal Report Surplus Deficit	579	-115	-389	-393	213	-591	-1795	-1239	138	210	-977	2014	215	533	-116
4 1932 Federal Report Surplus Deficit	839	-144	-364	-652	-245	-646	-1510	-1807	963	3454	4105	5569	5027	1857	1030
5 1933 Federal Report Surplus Deficit	1013	642	156	-406	-24.2	719	1800	2201	1998	1158	1833	3741	6420	4238	1928
6 1934 Federal Report Surplus Deficit	2630	1830	247	240	2570	3695	4170	4135	4358	4423	4068	4195	3625	979	2885
7 1935 Federal Report Surplus Deficit	-61.4	-271	-671	-470	-505	-408	1563	1711	1997	-57.3	2131	3208	2695	2372	1030
8 1936 Federal Report Surplus Deficit	1989	11.4	-439	-482	-27.5	-743	-1727	-640	-240	289	3675	5414	4657	942	805
9 1937 Federal Report Surplus Deficit	326	-276	-506	-378	202	-649	-1761	-1026	-573	-358	-612	2521	1368	-17.9	-105
10 1938 Federal Report Surplus Deficit	485	-298	-336	-417	103	96.9	1109	1622	2239	2809	4792	4871	3955	2056	1595
11 1939 Federal Report Surplus Deficit	-58.5	-456	-75.2	-382	-134	-832	202	198	342	1302	3180	3499	1304	818	576
12 1940 Federal Report Surplus Deficit	260	-276	-427	-304	402	268	-229	120	2435	1571	2409	3262	1813	327	805
13 1941 Federal Report Surplus Deficit	110	-503	-373	-569	200	-238	-1097	-584	-294	-816	483	2559	1391	605	104
14 1942 Federal Report Surplus Deficit	687	-152	-95.4	-651	621	1353	975	609	177	327	2132	3064	3231	3276	1173
15 1943 Federal Report Surplus Deficit	1150	595	360	-361	-299	-79.5	2053	1878	2443	4996	5430	4287	6243	3968	2209
16 1944 Federal Report Surplus Deficit	1277	405	-206	-461	40.1	-774	-569	-460	-593	-820	614	1148	-279	-217	-135
17 1945 Federal Report Surplus Deficit	555	-450	-420	-537	69.2	-618	-1492	-930	-568	-699	-768	3948	4175	-309	219
18 1946 Federal Report Surplus Deficit	198	-256	-401	-508	159	199	1053	1225	1559	3440	5002	5014	3858	2852	1598
19 1947 Federal Report Surplus Deficit	1847	1413	216	-511	694	2489	2941	2859	3037	2327	2823	4925	4107	2635	2300
20 1948 Federal Report Surplus Deficit	1092	139	40.2	1775	1837	1203	2880	2042	2172	1709	4098	6028	6224	3448	2597
21 1949 Federal Report Surplus Deficit	2713	2242	599	-142	390	-32.1	848	421	3321	2352	4481	5592	4034	-52.5	1742
22 1950 Federal Report Surplus Deficit	-105	-730	-901	-498	-158	267	2493	3557	3080	3741	3609	4282	6300	4953	2211
23 1951 Federal Report Surplus Deficit	2674	2124	448	540	2137	2617	3845	4477	4904	4179	3884	4986	4001	3764	3177
24 1952 Federal Report Surplus Deficit	1937	302	119	1290	1207	1306	2378	2349	2388	3828	5316	6026	4355	2324	2450
25 1953 Federal Report Surplus Deficit	1282	-36.2	-600	-442	21.3	-708	-519	2842	1167	514	1700	3809	6506	4130	1482
26 1954 Federal Report Surplus Deficit	1444	772	233	-203	697	698	1953	3152	2805	2009	2829	4800	5372	4872	2321
27 1955 Federal Report Surplus Deficit	3366	3047	2067	-75.1	1297	629	-237	555	-878	-62.7	1336	3454	6257	4699	1799
28 1956 Federal Report Surplus Deficit	2663	1378	-9.17	90.9	1755	2508	3985	4269	4100	3485	4966	5906	6084	3859	3228
29 1957 Federal Report Surplus Deficit	2004	1745	246	29.8	337	877	1176	84.6	2450	3247	2637	6351	6449	1613	2041
30 1958 Federal Report Surplus Deficit	888	134	-272	-379	216	-163	1611	1702	1870	1471	3321	5567	5460	1304	1647
31 1959 Federal Report Surplus Deficit	973	-28.8	-269	-210	1267	2014	3490	3429	3179	2901	2644	4056	5658	4355	2513
32 1960 Federal Report Surplus Deficit	2660	2052	2451	2475	2656	1848	1902	1523	1838	5257	3730	3272	4613	2568	2662
33 1961 Federal Report Surplus Deficit	1661	-50.7	-219	-261	575	124	1545	1997	3447	2204	2060	4755	5687	1639	1847
34 1962 Federal Report Surplus Deficit	960	240	-266	-532	254	132	1266	1427	-59.5	3791	4754	4403	3785	1540	1394
35 1963 Federal Report Surplus Deficit	1350	407	-266	281	1372	1728	2100	1693	911	318	1682	3781	3493	2320	1608
36 1964 Federal Report Surplus Deficit	1185	155	363	-487	276	73.0	168	241	163	2492	1528	4077	6352	4633	1543
37 1965 Federal Report Surplus Deficit	2615	1839	857	444	1033	2777	4764	5274	4214	1650	4942	5233	4350	2430	3069
38 1966 Federal Report Surplus Deficit	2376	1585	-154	-40.4	500	366	877	1028	421	3869	2367	2578	3304	2430	1365

Federal Report Surplus Deficit By Water Year

Operating Year 2024

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
39 1967 Federal Report Surplus Deficit	1732	40.7	-179	-503	-20.0	890	2819	2960	2823	1362	-120	3839	5945	4009	2004
40 1968 Federal Report Surplus Deficit	1759	1112	253	-145	761	387	1629	2414	2545	29.4	1030	2323	4785	2903	1647
41 1969 Federal Report Surplus Deficit	1974	1046	1303	559	1846	1315	3783	3898	2945	3683	4766	5781	4861	2542	2872
42 1970 Federal Report Surplus Deficit	806	65.4	-46.7	-67.2	423	-341	1537	1509	958	743	1426	3958	5615	562	1295
43 1971 Federal Report Surplus Deficit	762	-28.5	-395	-411	34.1	452	3977	5030	4215	3564	4028	5766	6163	4258	2761
44 1972 Federal Report Surplus Deficit	2586	2446	469	54.1	576	697	3481	4503	5685	4731	3197	5477	5901	4455	3145
45 1973 Federal Report Surplus Deficit	3004	2647	602	-6.02	576	325	1206	552	-134	-949	640	2439	515	418	769
46 1974 Federal Report Surplus Deficit	410	-300	-463	-485	143	1377	4926	5157	5351	4300	4658	5361	6102	5083	3083
47 1975 Federal Report Surplus Deficit	2799	2694	524	-577	0.73	-175	1744	1816	2172	518	1432	4585	6252	4535	2052
48 1976 Federal Report Surplus Deficit	1678	1173	657	675	2065	3487	3539	3711	3711	4240	3891	5772	4755	4189	3170
49 1977 Federal Report Surplus Deficit	3559	3734	2758	57.4	115	-748	-267	-264	-757	-1129	153	814	-292	-223	365
50 1978 Federal Report Surplus Deficit	578	-345	-916	-834	112	557	1220	1515	1284	3626	2757	4445	3177	2404	1353
51 1979 Federal Report Surplus Deficit	674	-52.9	1091	81.1	469	-622	-345	924	1214	348	1892	4441	2505	-342	898
52 1980 Federal Report Surplus Deficit	238	-462	-181	-375	107	-1001	507	-387	-238	1535	3071	5667	4905	1284	1039
53 1981 Federal Report Surplus Deficit	422	-107	-78.9	-426	538	1719	2748	2917	1094	-522	1395	3893	6142	3706	1899
54 1982 Federal Report Surplus Deficit	2596	2118	246	-300	833	404	2280	5243	5238	3569	3268	5329	5982	5074	3000
55 1983 Federal Report Surplus Deficit	2388	2409	1236	593	878	921	2783	3220	4448	2551	2568	4452	4628	4047	2681
56 1984 Federal Report Surplus Deficit	2329	1871	602	-119	2324	1216	2234	2688	2716	4062	4565	4747	5856	3433	2669
57 1985 Federal Report Surplus Deficit	1957	551	585	-59.7	864	293	856	728	613	2142	3392	4146	2296	395	1224
58 1986 Federal Report Surplus Deficit	-381	-791	-328	227	1220	482	1724	2880	5215	4260	4565	3597	4175	1335	2020
59 1987 Federal Report Surplus Deficit	846	-263	-418	-540	690	376	-182	250	937	-316	1458	3825	2437	-202	669
60 1988 Federal Report Surplus Deficit	67.2	-631	-550	-495	-25.5	-1042	-1135	-1401	-183	-358	1252	2301	1196	842	-24.0
61 1989 Federal Report Surplus Deficit	558	-239	-394	-543	304	-104	-683	-1383	981	1640	4767	3757	2604	675	717
62 1990 Federal Report Surplus Deficit	211	-315	-426	-373	566	823	981	2923	2527	1373	4225	3410	4804	2201	1671
63 1991 Federal Report Surplus Deficit	1965	1113	-229	-540	2103	1445	2577	2558	2752	2510	2202	3942	4398	4189	2256
64 1992 Federal Report Surplus Deficit	2723	1374	-180	-536	63.2	-952	-261	540	880	-1036	573	2237	658	140	368
65 1993 Federal Report Surplus Deficit	230	-497	-682	-505	209	-587	-1791	-1273	594	825	1706	4270	3280	888	464
66 1994 Federal Report Surplus Deficit	624	82.7	-164	-392	333	-392	-1234	-723	127	-575	1236	2419	2363	465	291
67 1995 Federal Report Surplus Deficit	510	-323	-326	-492	-236	-403	493	960	1008	2282	1736	3971	5043	1836	1158
68 1996 Federal Report Surplus Deficit	556	12.2	220	541	2925	4542	4558	5262	5596	3801	5006	5361	4805	4259	3558
69 1997 Federal Report Surplus Deficit	2197	1390	236	-245	763	1380	5148	5621	5675	4125	5026	5725	6118	4521	3435
70 1998 Federal Report Surplus Deficit	2204	2471	1205	1968	1721	296	714	1695	951	1196	2487	5694	5726	2085	2185
71 1999 Federal Report Surplus Deficit	1967	603	-170	-419	-20.6	1208	3549	3737	4231	2296	3892	4355	5782	4501	2590
72 2000 Federal Report Surplus Deficit	3444	2537	626	-255	2497	1776	1633	1856	1919	3473	4552	4533	2007	1940	2127
73 2001 Federal Report Surplus Deficit	1557	-414	-582	-350	6.41	-727	-566	-493	-455	-910	242	1732	-735	-9.74	-160
74 2002 Federal Report Surplus Deficit	642	-456	-847	-932	21.3	-251	-897	-490	287	1279	3849	3487	5536	3345	991
75 2003 Federal Report Surplus Deficit	704	505	-248	-314	235	-591	-1054	-742	1602	1271	2102	3418	5004	399	832
76 2004 Federal Report Surplus Deficit	-35.2	-500	-668	-447	727	377	-271	-961	528	630	1620	3220	2840	963	601
77 2005 Federal Report Surplus Deficit	-23.0	-2.52	208	53.1	490	618	696	1320	19.8	-339	1121	3670	2956	746	927

Federal Report Surplus Deficit By Water Year

Operating Year 2024

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
78 2006 Federal Report Surplus Deficit	675	-180	-452	-434	692	336	2040	2724	2129	3954	4851	5454	5296	1685	2000
79 2007 Federal Report Surplus Deficit	407	-368	-705	-533	718	424	1623	1137	2800	2731	2017	4060	2932	2159	1419
80 2008 Federal Report Surplus Deficit	439	-467	-840	-301	582	-381	-179	5.92	457	842	-15.6	4719	6587	2555	1133
Ranked Averages															
81 Bottom 10 pct	651	-106	-382	-429	92.1	-686	-1162	-779	-372	-442	387	1929	683	173	-56.0
82 Middle 80 pct	1291	558	51.4	-167	608	405	1141	1453	1720	1850	2720	4195	4355	2245	1599
83 Top 10 pct	1922	1258	302	202	1425	2423	4281	4784	4905	3814	4446	5477	5265	4070	3233

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Federal Report Surplus Deficit By Water Year

Operating Year 2025

2017 White Book Report Date: 6/1/2017

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Federal Report Surplus Deficit	911	846	-173	-496	-60.4	-803	-929	-729	-548	-756	891	1210	1037	-995	-127
2 1930 Federal Report Surplus Deficit	406	-139	-255	-378	57.3	-783	-1556	-691	-535	203	1131	719	-493	386	-227
3 1931 Federal Report Surplus Deficit	591	-103	-380	-436	161	-650	-1853	-1434	104	176	-1011	1401	-666	403	-285
4 1932 Federal Report Surplus Deficit	851	-133	-355	-695	-297	-705	-1568	-2002	926	3395	4045	4958	4201	1727	867
5 1933 Federal Report Surplus Deficit	1025	654	166	-449	-76.0	660	1742	2006	1962	1121	1795	3126	5604	4105	1759
6 1934 Federal Report Surplus Deficit	2642	1842	256	197	2518	3636	4112	3940	4319	4377	4023	3596	2750	849	2710
7 1935 Federal Report Surplus Deficit	-49.1	-259	-662	-513	-557	-468	1504	1516	1960	-92.9	2096	2591	1813	2241	855
8 1936 Federal Report Surplus Deficit	2001	23.1	-429	-525	-79.3	-802	-1785	-835	-275	255	3640	4839	3831	812	645
9 1937 Federal Report Surplus Deficit	339	-265	-496	-421	151	-709	-1819	-1221	-608	-392	-646	1904	486	-148	-275
10 1938 Federal Report Surplus Deficit	498	-286	-326	-460	50.8	37.5	1051	1427	2203	2762	4745	4252	3075	1925	1421
11 1939 Federal Report Surplus Deficit	-46.2	-445	-65.7	-425	-186	-891	144	2.99	307	1270	3149	2898	423	688	406
12 1940 Federal Report Surplus Deficit	273	-264	-418	-347	350	209	-287	-75.2	2398	1534	2372	2654	931	197	635
13 1941 Federal Report Surplus Deficit	122	-491	-363	-612	148	-298	-1155	-779	-330	-850	449	1938	509	475	-67.0
14 1942 Federal Report Surplus Deficit	699	-140	-85.8	-694	569	1294	917	414	142	290	2095	2447	2353	3146	1001
15 1943 Federal Report Surplus Deficit	1163	607	369	-404	-351	-139	1995	1683	2407	4948	5397	3687	5371	3842	2039
16 1944 Federal Report Surplus Deficit	1289	417	-197	-504	-11.7	-833	-627	-655	-628	-854	580	533	-1160	-347	-307
17 1945 Federal Report Surplus Deficit	567	-438	-411	-580	17.4	-677	-1550	-1125	-603	-733	-802	3329	3312	-439	50.5
18 1946 Federal Report Surplus Deficit	210	-244	-391	-551	108	139	995	1030	1524	3384	4947	4381	2984	2723	1424
19 1947 Federal Report Surplus Deficit	1860	1425	226	-554	642	2430	2883	2664	3001	2292	2785	4337	3237	2506	2129
20 1948 Federal Report Surplus Deficit	1104	151	49.7	1732	1785	1144	2822	1847	2136	1683	4071	5414	5527	3319	2442
21 1949 Federal Report Surplus Deficit	2725	2254	609	-185	338	-91.6	790	226	3283	2301	4429	5000	3176	-183	1575
22 1950 Federal Report Surplus Deficit	-93.1	-718	-891	-541	-210	208	2435	3362	3043	3693	3561	3678	5513	4825	2042
23 1951 Federal Report Surplus Deficit	2686	2136	458	497	2085	2557	3868	4000	4707	4131	3836	4405	3127	3619	2973
24 1952 Federal Report Surplus Deficit	1949	314	129	1247	1155	1247	2320	2154	2352	3780	5267	5412	3507	2193	2279
25 1953 Federal Report Surplus Deficit	1294	-24.5	-591	-485	-30.6	-768	-577	2647	1131	480	1666	3196	5649	4009	1309
26 1954 Federal Report Surplus Deficit	1456	784	243	-246	645	638	1895	2957	2769	1971	2790	4189	4522	4751	2150
27 1955 Federal Report Surplus Deficit	3378	3059	2076	-118	1245	569	-295	360	-914	-96.1	1302	2845	5503	4595	1643
28 1956 Federal Report Surplus Deficit	2675	1390	0.34	47.9	1703	2448	3927	4074	4066	3451	4932	5292	5327	3715	3061
29 1957 Federal Report Surplus Deficit	2016	1757	256	-13.1	285	818	1118	-110	2411	3202	2591	5737	5611	1483	1876
30 1958 Federal Report Surplus Deficit	901	146	-262	-422	164	-222	1553	1507	1833	1424	3275	4973	4585	1173	1476
31 1959 Federal Report Surplus Deficit	986	-17.1	-260	-253	1215	1954	3432	3234	3141	2863	2605	3446	4828	4234	2343
32 1960 Federal Report Surplus Deficit	2673	2063	2461	2432	2604	1788	1844	1328	1802	5177	3651	2662	3770	2438	2492
33 1961 Federal Report Surplus Deficit	1674	-39.0	-210	-304	523	64.2	1486	1802	3411	2157	2013	4159	4843	1510	1677
34 1962 Federal Report Surplus Deficit	972	252	-256	-575	202	72.1	1208	1232	-94.7	3728	4692	3787	2915	1410	1220
35 1963 Federal Report Surplus Deficit	1362	418	-257	239	1320	1668	2042	1498	876	283	1647	3167	2620	2191	1436
36 1964 Federal Report Surplus Deficit	1197	166	373	-530	224	13.6	110	46.4	128	2452	1488	3464	5719	4507	1395
37 1965 Federal Report Surplus Deficit	2627	1850	867	401	981	2718	4749	4801	4186	1613	4906	4629	3475	2300	2875
38 1966 Federal Report Surplus Deficit	2388	1597	-144	-83.4	448	307	819	833	386	3814	2311	1968	2428	2300	1192

Federal Report Surplus Deficit By Water Year

Operating Year 2025

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
39 1967 Federal Report Surplus Deficit	1744	52.4	-169	-546	-71.8	830	2761	2765	2785	1328	-153	3249	5251	3889	1847
40 1968 Federal Report Surplus Deficit	1771	1124	263	-188	709	328	1571	2219	2508	-6.53	996	1706	3921	2770	1473
41 1969 Federal Report Surplus Deficit	1986	1058	1313	516	1794	1255	3725	3703	2902	3591	4673	5187	4017	2412	2696
42 1970 Federal Report Surplus Deficit	819	77.1	-37.2	-110	371	-400	1479	1314	922	709	1391	3354	4759	432	1125
43 1971 Federal Report Surplus Deficit	774	-16.8	-386	-454	-17.7	393	3919	4835	4187	3540	4005	5152	5503	4122	2602
44 1972 Federal Report Surplus Deficit	2598	2458	478	11.1	524	637	3423	4308	5705	4693	3159	4953	5161	4331	2992
45 1973 Federal Report Surplus Deficit	3016	2659	612	-49.0	524	266	1148	357	-169	-983	606	1827	-366	288	597
46 1974 Federal Report Surplus Deficit	422	-289	-453	-528	91.7	1317	4868	4962	5311	4229	4587	4751	5316	4938	2909
47 1975 Federal Report Surplus Deficit	2811	2706	534	-620	-51.1	-234	1686	1621	2137	483	1397	3988	5371	4439	1884
48 1976 Federal Report Surplus Deficit	1690	1184	666	632	2013	3427	3481	3516	3669	4167	3818	5170	3915	4048	2996
49 1977 Federal Report Surplus Deficit	3571	3745	2768	14.4	62.9	-808	-325	-460	-792	-1164	119	200	-1174	-353	194
50 1978 Federal Report Surplus Deficit	591	-333	-907	-877	59.8	497	1162	1320	1249	3582	2712	3835	2300	2272	1180
51 1979 Federal Report Surplus Deficit	686	-41.2	1100	38.2	417	-681	-403	729	1178	314	1858	3803	1621	-472	724
52 1980 Federal Report Surplus Deficit	250	-450	-171	-418	55.0	-1061	449	-582	-274	1493	3029	5132	4081	1154	881
53 1981 Federal Report Surplus Deficit	435	-95.2	-69.4	-469	486	1660	2690	2722	1058	-558	1360	3289	5348	3575	1732
54 1982 Federal Report Surplus Deficit	2608	2130	255	-343	781	345	2222	5048	5216	3549	3248	4751	5101	4947	2826
55 1983 Federal Report Surplus Deficit	2401	2421	1246	550	826	862	2725	3025	4403	2511	2529	3828	3778	3925	2508
56 1984 Federal Report Surplus Deficit	2342	1883	612	-162	2272	1157	2176	2493	2679	4000	4503	4140	4974	3297	2494
57 1985 Federal Report Surplus Deficit	1970	563	594	-103	812	234	798	533	577	2095	3345	3518	1415	264	1051
58 1986 Federal Report Surplus Deficit	-368	-779	-318	184	1169	423	1666	2685	5189	4221	4525	2983	3316	1205	1847
59 1987 Federal Report Surplus Deficit	858	-251	-409	-583	638	317	-240	55.0	901	-352	1422	3212	1556	-332	497
60 1988 Federal Report Surplus Deficit	79.5	-620	-541	-538	-77.3	-1102	-1193	-1596	-219	-393	1218	1690	315	711	-193
61 1989 Federal Report Surplus Deficit	570	-228	-384	-586	252	-163	-741	-1578	945	1604	4731	3147	1723	545	551
62 1990 Federal Report Surplus Deficit	223	-303	-417	-416	514	763	923	2728	2490	1320	4169	2789	3926	2072	1493
63 1991 Federal Report Surplus Deficit	1977	1124	-220	-583	2051	1386	2519	2363	2716	2461	2153	3340	3548	4036	2083
64 1992 Federal Report Surplus Deficit	2735	1386	-170	-579	11.3	-1011	-319	345	845	-1070	538	1623	-223	10.2	195
65 1993 Federal Report Surplus Deficit	242	-485	-673	-548	158	-646	-1849	-1468	558	790	1672	3643	2402	757	295
66 1994 Federal Report Surplus Deficit	637	94.4	-154	-435	281	-451	-1292	-918	91.7	-609	1202	1803	1481	335	121
67 1995 Federal Report Surplus Deficit	523	-311	-317	-535	-288	-462	435	765	972	2246	1700	3352	4188	1705	987
68 1996 Federal Report Surplus Deficit	569	23.9	230	498	2873	4482	4500	5067	5595	3793	4998	4793	3958	4126	3392
69 1997 Federal Report Surplus Deficit	2209	1402	245	-288	711	1320	5090	5426	5652	4083	4992	5142	5277	4389	3263
70 1998 Federal Report Surplus Deficit	2216	2482	1215	1925	1669	237	656	1500	915	1161	2452	5092	4982	1955	2025
71 1999 Federal Report Surplus Deficit	1980	614	-161	-462	-72.4	1149	3491	3542	4198	2242	3840	3724	4901	4368	2412
72 2000 Federal Report Surplus Deficit	3457	2548	636	-298	2445	1717	1575	1661	1883	3427	4506	3936	1126	1810	1955
73 2001 Federal Report Surplus Deficit	1569	-402	-572	-393	-45.4	-787	-624	-688	-490	-944	208	1121	-1616	-140	-331
74 2002 Federal Report Surplus Deficit	655	-444	-837	-975	-30.5	-311	-955	-685	251	1236	3807	2871	4701	3219	825
75 2003 Federal Report Surplus Deficit	717	516	-239	-357	183	-650	-1112	-937	1565	1235	2066	2799	4182	269	668
76 2004 Federal Report Surplus Deficit	-22.9	-488	-659	-490	675	318	-329	-1156	493	595	1584	2604	1961	833	432
77 2005 Federal Report Surplus Deficit	-10.7	9.19	218	10.1	439	559	638	1125	-15.4	-374	1087	3057	2075	616	753

Federal Report Surplus Deficit By Water Year

Operating Year 2025

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
78 2006 Federal Report Surplus Deficit	688	-168	-442	-477	640	277	1982	2529	2093	3880	4776	4860	4446	1553	1826
79 2007 Federal Report Surplus Deficit	419	-356	-695	-576	666	365	1565	942	2763	2699	1984	3444	2051	2029	1247
80 2008 Federal Report Surplus Deficit	451	-455	-830	-343	530	-441	-237	-189	422	808	-49.5	4124	5798	2424	972
Ranked Averages															
81 Bottom 10 pct	663	-94.6	-372	-472	40.3	-746	-1220	-974	-407	-476	353	1314	-199	43.2	-227
82 Middle 80 pct	1303	570	60.9	-210	556	346	1083	1258	1684	1808	2679	3587	3510	2116	1429
83 Top 10 pct	1935	1269	311	159	1373	2363	4238	4519	4861	3770	4403	4892	4445	3933	3058

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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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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Federal Report Surplus Deficit	822	836	-215	-479	-39.5	-776	-901	-703	-537	-749	898	1798	1894	-888	6.00
2 1930 Federal Report Surplus Deficit	317	-150	-298	-361	78.2	-756	-1529	-665	-523	211	1139	1306	365	492	-93.4
3 1931 Federal Report Surplus Deficit	502	-114	-422	-419	182	-623	-1826	-1408	115	183	-1004	1989	192	509	-152
4 1932 Federal Report Surplus Deficit	762	-143	-397	-677	-276	-678	-1540	-1976	940	3428	4079	5544	5004	1833	998
5 1933 Federal Report Surplus Deficit	935	643	124	-431	-55.1	687	1770	2032	1975	1132	1806	3716	6397	4214	1888
6 1934 Federal Report Surplus Deficit	2553	1831	214	214	2539	3663	4140	3966	4334	4397	4042	4169	3602	955	2843
7 1935 Federal Report Surplus Deficit	-139	-270	-704	-496	-536	-441	1532	1542	1973	-83.7	2105	3183	2671	2348	989
8 1936 Federal Report Surplus Deficit	1912	12.4	-472	-508	-58.4	-775	-1758	-809	-263	263	3648	5388	4633	918	770
9 1937 Federal Report Surplus Deficit	249	-275	-538	-404	171	-682	-1791	-1195	-597	-385	-638	2496	1344	-41.7	-142
10 1938 Federal Report Surplus Deficit	408	-297	-369	-443	71.7	64.4	1079	1453	2215	2782	4766	4846	3932	2033	1556
11 1939 Federal Report Surplus Deficit	-136	-455	-108	-408	-165	-864	172	29.0	319	1275	3153	3473	1281	794	538
12 1940 Federal Report Surplus Deficit	183	-275	-460	-330	371	236	-259	-49.2	2412	1544	2383	3237	1789	303	768
13 1941 Federal Report Surplus Deficit	32.6	-502	-406	-595	169	-271	-1127	-753	-318	-842	457	2533	1367	581	67.0
14 1942 Federal Report Surplus Deficit	610	-151	-128	-676	590	1321	945	440	154	300	2105	3038	3208	3252	1135
15 1943 Federal Report Surplus Deficit	1073	596	327	-386	-330	-112	2023	1709	2420	4969	5404	4262	6220	3944	2170
16 1944 Federal Report Surplus Deficit	1200	406	-239	-487	9.21	-806	-599	-629	-617	-846	588	1122	-302	-241	-174
17 1945 Federal Report Surplus Deficit	478	-449	-453	-563	38.3	-650	-1522	-1099	-592	-725	-795	3922	4151	-333	183
18 1946 Federal Report Surplus Deficit	121	-255	-433	-534	128	166	1023	1056	1535	3413	4976	4989	3835	2829	1560
19 1947 Federal Report Surplus Deficit	1770	1414	184	-536	663	2457	2911	2690	3014	2300	2796	4900	4084	2611	2260
20 1948 Federal Report Surplus Deficit	1014	140	7.45	1749	1806	1171	2850	1873	2148	1683	4072	6003	6201	3424	2560
21 1949 Federal Report Surplus Deficit	2636	2243	566	-168	359	-64.6	818	252	3297	2326	4454	5567	4010	-76.4	1706
22 1950 Federal Report Surplus Deficit	-183	-729	-934	-524	-189	235	2463	3388	3057	3714	3583	4256	6276	4929	2168
23 1951 Federal Report Surplus Deficit	2597	2125	416	514	2106	2584	3815	4308	4881	4153	3857	4961	3978	3740	3134
24 1952 Federal Report Surplus Deficit	1859	303	86.3	1265	1176	1274	2347	2180	2365	3802	5289	6001	4332	2300	2411
25 1953 Federal Report Surplus Deficit	1205	-35.2	-633	-467	-9.66	-741	-549	2673	1143	487	1673	3783	6482	4106	1440
26 1954 Federal Report Surplus Deficit	1366	773	201	-228	666	665	1923	2983	2782	1983	2802	4774	5349	4848	2280
27 1955 Federal Report Surplus Deficit	3288	3048	2034	-101	1266	596	-267	386	-902	-89.2	1309	3428	6233	4675	1763
28 1956 Federal Report Surplus Deficit	2585	1379	-42.0	65.1	1724	2475	3955	4100	4076	3458	4940	5880	6061	3836	3186
29 1957 Federal Report Surplus Deficit	1926	1746	213	4.05	306	845	1145	-84.4	2426	3221	2610	6326	6425	1589	2007
30 1958 Federal Report Surplus Deficit	811	135	-304	-405	185	-195	1580	1533	1846	1445	3295	5542	5436	1280	1608
31 1959 Federal Report Surplus Deficit	896	-27.8	-302	-236	1236	1981	3460	3260	3155	2875	2617	4031	5634	4331	2471
32 1960 Federal Report Surplus Deficit	2583	2053	2418	2450	2625	1815	1872	1354	1815	5231	3704	3247	4589	2544	2626
33 1961 Federal Report Surplus Deficit	1584	-49.7	-252	-286	544	91.1	1514	1828	3423	2177	2034	4730	5663	1615	1807
34 1962 Federal Report Surplus Deficit	883	241	-299	-558	223	99.1	1235	1258	-83.1	3764	4727	4378	3761	1516	1355
35 1963 Federal Report Surplus Deficit	1273	408	-299	256	1341	1695	2069	1524	887	292	1656	3756	3470	2296	1569
36 1964 Federal Report Surplus Deficit	1108	156	331	-512	245	40.5	137	72.4	140	2465	1502	4052	6328	4609	1507
37 1965 Federal Report Surplus Deficit	2538	1840	824	419	1002	2745	4734	5105	4190	1623	4915	5208	4327	2406	3024
38 1966 Federal Report Surplus Deficit	2299	1586	-187	-66.2	469	334	847	859	397	3843	2341	2553	3281	2407	1326

Federal Report Surplus Deficit By Water Year

Operating Year 2026

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
39 1967 Federal Report Surplus Deficit	1655	41.7	-212	-528	-50.9	857	2788	2791	2800	1336	-146	3814	5922	3985	1963
40 1968 Federal Report Surplus Deficit	1682	1113	220	-171	730	355	1599	2245	2521	2.99	1004	2298	4761	2879	1606
41 1969 Federal Report Surplus Deficit	1897	1047	1270	533	1815	1282	3753	3729	2922	3657	4739	5756	4837	2518	2830
42 1970 Federal Report Surplus Deficit	729	66.4	-79.5	-93.0	392	-373	1507	1340	935	717	1400	3933	5592	538	1255
43 1971 Federal Report Surplus Deficit	684	-27.5	-428	-436	3.19	420	3947	4861	4192	3537	4002	5741	6140	4234	2716
44 1972 Federal Report Surplus Deficit	2508	2447	436	28.3	545	664	3451	4334	5662	4705	3171	5451	5877	4431	3102
45 1973 Federal Report Surplus Deficit	2927	2648	570	-31.8	545	293	1176	383	-158	-975	613	2414	492	394	730
46 1974 Federal Report Surplus Deficit	333	-299	-496	-511	113	1344	4896	4988	5328	4274	4631	5336	6079	5059	3039
47 1975 Federal Report Surplus Deficit	2722	2695	491	-603	-30.2	-207	1713	1647	2148	492	1406	4559	6229	4511	2013
48 1976 Federal Report Surplus Deficit	1601	1174	624	649	2034	3454	3509	3542	3687	4214	3865	5746	4732	4165	3130
49 1977 Federal Report Surplus Deficit	3482	3735	2726	31.6	83.8	-781	-297	-434	-781	-1156	127	789	-315	-247	327
50 1978 Federal Report Surplus Deficit	501	-344	-949	-860	80.7	524	1190	1346	1260	3600	2731	4420	3153	2380	1314
51 1979 Federal Report Surplus Deficit	597	-51.9	1058	55.4	438	-654	-376	755	1190	322	1866	4416	2481	-365	859
52 1980 Federal Report Surplus Deficit	161	-461	-214	-401	75.9	-1034	477	-556	-262	1508	3045	5641	4882	1260	1003
53 1981 Federal Report Surplus Deficit	345	-106	-112	-452	507	1687	2717	2748	1070	-548	1369	3868	6119	3682	1857
54 1982 Federal Report Surplus Deficit	2519	2119	213	-326	802	372	2250	5074	5215	3543	3241	5304	5959	5050	2954
55 1983 Federal Report Surplus Deficit	2311	2410	1203	567	847	889	2753	3051	4424	2524	2542	4427	4604	4023	2640
56 1984 Federal Report Surplus Deficit	2252	1872	569	-145	2293	1183	2204	2519	2692	4036	4539	4722	5833	3409	2629
57 1985 Federal Report Surplus Deficit	1880	552	552	-85.4	833	260	826	559	589	2116	3366	4120	2272	371	1187
58 1986 Federal Report Surplus Deficit	-458	-790	-361	201	1189	449	1694	2711	5191	4234	4538	3571	4152	1311	1979
59 1987 Federal Report Surplus Deficit	769	-262	-451	-566	659	344	-212	81.0	913	-342	1431	3799	2414	-226	631
60 1988 Federal Report Surplus Deficit	-9.93	-630	-583	-520	-56.4	-1075	-1166	-1570	-207	-385	1226	2276	1173	818	-59.3
61 1989 Federal Report Surplus Deficit	481	-238	-427	-569	273	-136	-714	-1552	958	1613	4741	3732	2580	651	684
62 1990 Federal Report Surplus Deficit	134	-314	-459	-398	535	790	951	2754	2503	1347	4198	3385	4780	2177	1629
63 1991 Federal Report Surplus Deficit	1888	1114	-262	-566	2072	1413	2547	2389	2728	2483	2176	3916	4375	4165	2216
64 1992 Federal Report Surplus Deficit	2646	1375	-213	-561	32.2	-985	-291	371	857	-1062	546	2212	635	117	328
65 1993 Federal Report Surplus Deficit	153	-496	-715	-531	178	-619	-1821	-1442	571	799	1680	4244	3257	864	429
66 1994 Federal Report Surplus Deficit	547	83.7	-196	-417	302	-424	-1265	-892	103	-601	1210	2394	2340	442	254
67 1995 Federal Report Surplus Deficit	433	-322	-359	-518	-267	-435	462	791	984	2256	1710	3946	5020	1812	1119
68 1996 Federal Report Surplus Deficit	479	13.2	187	515	2894	4509	4528	5093	5572	3774	4979	5336	4781	4235	3514
69 1997 Federal Report Surplus Deficit	2120	1391	203	-271	732	1347	5118	5452	5652	4098	5000	5699	6095	4497	3389
70 1998 Federal Report Surplus Deficit	2127	2472	1173	1942	1690	264	684	1526	927	1169	2461	5669	5703	2061	2147
71 1999 Federal Report Surplus Deficit	1890	604	-203	-445	-51.5	1176	3519	3568	4208	2270	3866	4329	5759	4477	2548
72 2000 Federal Report Surplus Deficit	3367	2538	594	-280	2466	1744	1603	1687	1895	3446	4525	4508	1983	1917	2088
73 2001 Federal Report Surplus Deficit	1480	-413	-615	-376	-24.5	-760	-597	-662	-479	-937	216	1707	-758	-33.6	-198
74 2002 Federal Report Surplus Deficit	565	-455	-879	-958	-9.61	-284	-927	-659	263	1253	3823	3462	5512	3321	955
75 2003 Federal Report Surplus Deficit	627	506	-281	-340	204	-623	-1084	-911	1578	1244	2075	3392	4980	376	797
76 2004 Federal Report Surplus Deficit	-112	-499	-701	-473	696	345	-301	-1130	504	604	1593	3195	2816	940	566
77 2005 Federal Report Surplus Deficit	-100	-1.51	175	27.3	459	586	665	1151	-3.81	-366	1095	3645	2932	722	886

Federal Report Surplus Deficit By Water Year

Operating Year 2026

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
78 2006 Federal Report Surplus Deficit	598	-179	-484	-460	661	304	2010	2555	2105	3927	4825	5429	5272	1661	1958
79 2007 Federal Report Surplus Deficit	329	-367	-737	-559	687	392	1593	968	2777	2705	1990	4035	2908	2135	1380
80 2008 Federal Report Surplus Deficit	361	-466	-873	-326	551	-414	-209	-163	434	816	-42.0	4694	6564	2532	1097
Ranked Averages															
81 Bottom 10 pct	574	-105	-415	-455	61.2	-719	-1192	-948	-395	-469	360	1903	659	150	-93.1
82 Middle 80 pct	1214	559	18.6	-193	577	373	1111	1284	1697	1824	2694	4170	4332	2221	1560
83 Top 10 pct	1845	1259	269	176	1394	2390	4251	4615	4881	3787	4420	5452	5241	4046	3190

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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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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Federal Report Surplus Deficit	847	861	-189	-519	-85.8	-830	-962	-763	-593	-814	837	1172	1004	-1032	-160
2 1930 Federal Report Surplus Deficit	342	-124	-271	-402	32.0	-810	-1589	-725	-580	145	1077	681	-527	348	-259
3 1931 Federal Report Surplus Deficit	527	-88.4	-395	-459	135	-677	-1886	-1469	58.9	118	-1066	1363	-700	365	-318
4 1932 Federal Report Surplus Deficit	787	-118	-370	-718	-322	-732	-1601	-2037	881	3337	3991	4920	4168	1689	835
5 1933 Federal Report Surplus Deficit	961	669	151	-472	-101	633	1709	1971	1917	1063	1741	3088	5571	4068	1726
6 1934 Federal Report Surplus Deficit	2578	1857	241	174	2493	3609	4079	3906	4274	4319	3969	3558	2716	811	2677
7 1935 Federal Report Surplus Deficit	-113	-244	-677	-536	-582	-494	1472	1482	1915	-151	2041	2553	1779	2204	823
8 1936 Federal Report Surplus Deficit	1937	38.0	-445	-549	-105	-829	-1818	-869	-320	197	3586	4801	3797	774	612
9 1937 Federal Report Surplus Deficit	275	-250	-512	-444	125	-736	-1852	-1256	-653	-450	-700	1866	452	-186	-308
10 1938 Federal Report Surplus Deficit	434	-271	-342	-483	25.4	10.7	1018	1392	2158	2704	4691	4214	3042	1887	1388
11 1939 Federal Report Surplus Deficit	-110	-430	-81.1	-448	-211	-918	111	-31.6	262	1212	3095	2861	389	650	373
12 1940 Federal Report Surplus Deficit	209	-249	-433	-370	325	182	-320	-110	2353	1476	2317	2616	898	159	602
13 1941 Federal Report Surplus Deficit	58.0	-476	-379	-636	123	-325	-1187	-813	-375	-908	395	1900	475	437	-99.7
14 1942 Federal Report Surplus Deficit	635	-125	-101	-717	544	1267	884	379	96.9	232	2041	2409	2319	3108	969
15 1943 Federal Report Surplus Deficit	1099	622	354	-427	-376	-166	1962	1649	2362	4890	5342	3650	5338	3804	2006
16 1944 Federal Report Surplus Deficit	1225	432	-212	-528	-37.1	-860	-660	-690	-673	-912	526	495	-1194	-385	-340
17 1945 Federal Report Surplus Deficit	503	-423	-426	-603	-8.02	-704	-1583	-1159	-648	-791	-856	3291	3279	-477	17.8
18 1946 Federal Report Surplus Deficit	147	-229	-407	-574	82.2	113	962	995	1478	3326	4893	4343	2951	2686	1391
19 1947 Federal Report Surplus Deficit	1796	1439	210	-577	617	2403	2850	2629	2956	2234	2731	4299	3203	2468	2097
20 1948 Federal Report Surplus Deficit	1040	166	34.3	1709	1760	1117	2789	1813	2091	1625	4017	5376	5493	3282	2410
21 1949 Federal Report Surplus Deficit	2661	2269	593	-208	313	-118	757	191	3238	2243	4375	4962	3142	-220	1542
22 1950 Federal Report Surplus Deficit	-157	-703	-907	-564	-235	181	2402	3328	2997	3635	3507	3640	5479	4788	2009
23 1951 Federal Report Surplus Deficit	2622	2151	442	473	2060	2530	3835	3965	4662	4073	3782	4368	3093	3581	2940
24 1952 Federal Report Surplus Deficit	1885	328	113	1224	1130	1220	2287	2120	2307	3722	5213	5374	3473	2155	2246
25 1953 Federal Report Surplus Deficit	1230	-9.53	-606	-508	-55.9	-795	-610	2612	1086	422	1612	3158	5615	3972	1276
26 1954 Federal Report Surplus Deficit	1392	799	227	-269	620	611	1862	2922	2724	1913	2736	4151	4489	4713	2117
27 1955 Federal Report Surplus Deficit	3314	3074	2061	-141	1220	543	-328	325	-959	-154	1248	2807	5470	4557	1610
28 1956 Federal Report Surplus Deficit	2611	1405	-15.1	24.7	1678	2422	3894	4039	4021	3393	4878	5254	5294	3677	3029
29 1957 Federal Report Surplus Deficit	1952	1772	240	-36.4	259	791	1085	-145	2366	3144	2537	5699	5578	1445	1843
30 1958 Federal Report Surplus Deficit	837	161	-278	-445	139	-249	1520	1472	1788	1366	3220	4935	4551	1136	1443
31 1959 Federal Report Surplus Deficit	922	-2.14	-275	-277	1190	1927	3399	3199	3096	2805	2551	3408	4794	4197	2310
32 1960 Federal Report Surplus Deficit	2609	2078	2445	2409	2579	1762	1811	1293	1757	5119	3597	2624	3737	2401	2460
33 1961 Federal Report Surplus Deficit	1610	-24.1	-225	-327	498	37.4	1454	1767	3366	2099	1958	4121	4810	1472	1645
34 1962 Federal Report Surplus Deficit	908	266	-272	-598	176	45.3	1175	1198	-140	3670	4638	3749	2881	1372	1187
35 1963 Federal Report Surplus Deficit	1298	433	-272	215	1294	1642	2009	1463	831	225	1593	3129	2586	2153	1403
36 1964 Federal Report Surplus Deficit	1133	181	358	-553	199	-13.2	76.7	11.7	83.0	2394	1433	3427	5685	4470	1362
37 1965 Federal Report Surplus Deficit	2563	1865	851	378	956	2691	4716	4766	4141	1555	4851	4591	3441	2262	2842
38 1966 Federal Report Surplus Deficit	2324	1612	-160	-107	423	280	786	798	341	3756	2257	1930	2394	2263	1159

Federal Report Surplus Deficit By Water Year

Operating Year 2027

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
39 1967 Federal Report Surplus Deficit	1680	67.3	-185	-569	-97.2	803	2728	2730	2740	1270	-208	3211	5218	3851	1815
40 1968 Federal Report Surplus Deficit	1707	1139	247	-212	684	301	1538	2184	2463	-64.6	942	1668	3887	2733	1441
41 1969 Federal Report Surplus Deficit	1922	1073	1297	492	1769	1229	3692	3668	2857	3533	4619	5149	3983	2374	2663
42 1970 Federal Report Surplus Deficit	755	92.1	-52.6	-133	346	-427	1446	1280	877	651	1337	3316	4726	394	1092
43 1971 Federal Report Surplus Deficit	710	-1.87	-401	-477	-43.1	366	3886	4800	4142	3482	3951	5114	5470	4084	2569
44 1972 Federal Report Surplus Deficit	2534	2473	463	-12.1	498	611	3390	4273	5660	4635	3105	4915	5128	4294	2960
45 1973 Federal Report Surplus Deficit	2952	2674	596	-72.2	499	239	1115	323	-214	-1041	552	1789	-400	250	564
46 1974 Federal Report Surplus Deficit	358	-274	-469	-551	66.3	1291	4835	4927	5266	4171	4532	4713	5282	4900	2876
47 1975 Federal Report Surplus Deficit	2747	2721	518	-643	-76.5	-261	1653	1586	2092	425	1343	3950	5337	4402	1852
48 1976 Federal Report Surplus Deficit	1626	1199	651	609	1988	3400	3448	3481	3624	4109	3764	5132	3882	4010	2963
49 1977 Federal Report Surplus Deficit	3507	3760	2752	-8.81	37.5	-835	-358	-494	-837	-1222	65.2	162	-1207	-391	161
50 1978 Federal Report Surplus Deficit	527	-318	-922	-900	34.4	470	1129	1286	1204	3524	2658	3797	2266	2234	1148
51 1979 Federal Report Surplus Deficit	622	-26.3	1085	14.9	392	-708	-436	694	1133	256	1804	3765	1588	-510	691
52 1980 Federal Report Surplus Deficit	186	-435	-187	-441	29.6	-1087	416	-616	-319	1435	2975	5094	4047	1116	848
53 1981 Federal Report Surplus Deficit	371	-80.3	-84.8	-493	460	1633	2657	2687	1013	-616	1306	3251	5315	3538	1699
54 1982 Federal Report Surplus Deficit	2544	2144	240	-366	756	318	2189	5013	5171	3491	3193	4713	5067	4910	2794
55 1983 Federal Report Surplus Deficit	2337	2436	1230	526	801	835	2692	2990	4358	2453	2475	3790	3744	3887	2475
56 1984 Federal Report Surplus Deficit	2278	1898	596	-185	2247	1130	2143	2458	2634	3942	4449	4102	4941	3260	2461
57 1985 Federal Report Surplus Deficit	1906	578	579	-126	787	207	765	498	532	2037	3291	3480	1381	227	1018
58 1986 Federal Report Surplus Deficit	-432	-764	-334	161	1143	396	1633	2651	5144	4163	4471	2945	3282	1167	1815
59 1987 Federal Report Surplus Deficit	794	-236	-424	-607	612	290	-273	20.3	856	-410	1368	3174	1523	-370	465
60 1988 Federal Report Surplus Deficit	15.5	-605	-556	-561	-103	-1129	-1226	-1631	-264	-451	1164	1652	281	674	-225
61 1989 Federal Report Surplus Deficit	506	-213	-400	-609	227	-190	-774	-1613	900	1546	4677	3109	1689	507	518
62 1990 Federal Report Surplus Deficit	159	-288	-432	-439	489	736	890	2694	2445	1262	4115	2751	3892	2034	1461
63 1991 Federal Report Surplus Deficit	1913	1139	-235	-606	2026	1359	2486	2328	2671	2403	2099	3302	3515	3999	2050
64 1992 Federal Report Surplus Deficit	2671	1401	-186	-602	-14.0	-1038	-352	311	800	-1128	484	1586	-257	-27.5	162
65 1993 Federal Report Surplus Deficit	178	-470	-688	-571	132	-673	-1882	-1502	513	732	1618	3605	2369	719	262
66 1994 Federal Report Surplus Deficit	573	109	-170	-458	255	-478	-1325	-953	46.6	-667	1148	1766	1448	298	88.2
67 1995 Federal Report Surplus Deficit	459	-296	-332	-558	-313	-489	402	730	927	2188	1646	3314	4154	1668	955
68 1996 Federal Report Surplus Deficit	505	38.8	214	475	2848	4456	4467	5032	5550	3735	4944	4755	3924	4088	3360
69 1997 Federal Report Surplus Deficit	2145	1417	230	-311	686	1293	5057	5391	5607	4025	4938	5104	5243	4351	3230
70 1998 Federal Report Surplus Deficit	2152	2497	1199	1901	1643	210	623	1465	870	1103	2398	5054	4948	1917	1993
71 1999 Federal Report Surplus Deficit	1916	629	-176	-485	-97.8	1122	3458	3507	4153	2184	3786	3686	4867	4330	2379
72 2000 Federal Report Surplus Deficit	3393	2563	620	-321	2419	1690	1542	1626	1838	3369	4452	3898	1092	1772	1923
73 2001 Federal Report Surplus Deficit	1505	-387	-588	-417	-70.8	-814	-657	-723	-535	-1002	154	1083	-1650	-178	-364
74 2002 Federal Report Surplus Deficit	591	-429	-853	-999	-55.9	-337	-988	-719	206	1178	3753	2834	4667	3182	793
75 2003 Federal Report Surplus Deficit	653	531	-254	-381	158	-677	-1145	-972	1520	1177	2012	2761	4148	232	636
76 2004 Federal Report Surplus Deficit	-86.9	-473	-674	-514	649	291	-362	-1190	448	537	1530	2566	1927	795	400
77 2005 Federal Report Surplus Deficit	-74.6	24.1	202	-13.1	413	532	605	1090	-60.5	-432	1033	3020	2041	578	721

Federal Report Surplus Deficit By Water Year

Operating Year 2027

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
78 2006 Federal Report Surplus Deficit	624	-153	-457	-500	615	250	1949	2494	2048	3822	4722	4823	4413	1515	1793
79 2007 Federal Report Surplus Deficit	355	-341	-711	-599	641	338	1532	907	2718	2641	1930	3406	2017	1991	1214
80 2008 Federal Report Surplus Deficit	387	-440	-846	-367	505	-468	-270	-224	376	750	-104	4087	5765	2386	940
Ranked Averages															
81 Bottom 10 pct	599	-79.7	-388	-496	14.9	-772	-1253	-1009	-452	-534	298	1276	-232	5.47	-259
82 Middle 80 pct	1239	585	45.5	-233	531	319	1050	1223	1639	1750	2624	3549	3476	2079	1397
83 Top 10 pct	1871	1284	296	136	1347	2337	4205	4484	4816	3712	4349	4854	4411	3895	3025

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Federal Report Surplus Deficit By Water Year

Operating Year 2028

2017 White Book Report Date: 6/1/2017

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Federal Report Surplus Deficit	882	725	-241	-516	-89.7	-823	-943	-621	-581	-851	885	1743	1842	-944	-30.9
2 1930 Federal Report Surplus Deficit	377	-261	-323	-398	28.1	-803	-1570	-583	-567	109	1126	1251	313	436	-130
3 1931 Federal Report Surplus Deficit	562	-225	-448	-456	132	-671	-1867	-1326	70.8	80.6	-1017	1934	140	453	-190
4 1932 Federal Report Surplus Deficit	822	-255	-423	-715	-326	-725	-1582	-1894	895	3325	4065	5489	4952	1777	955
5 1933 Federal Report Surplus Deficit	996	532	97.9	-469	-105	640	1729	2114	1931	1029	1793	3661	6345	4158	1853
6 1934 Federal Report Surplus Deficit	2613	1720	188	177	2489	3616	4098	4048	4290	4294	4029	4114	3550	899	2811
7 1935 Federal Report Surplus Deficit	-78.3	-381	-730	-533	-586	-488	1491	1624	1929	-186	2091	3128	2619	2291	956
8 1936 Federal Report Surplus Deficit	1972	-98.8	-498	-546	-109	-823	-1799	-727	-307	160	3635	5334	4581	862	731
9 1937 Federal Report Surplus Deficit	310	-386	-564	-441	121	-729	-1833	-1113	-641	-488	-652	2441	1292	-98.0	-180
10 1938 Federal Report Surplus Deficit	468	-408	-394	-480	21.5	17.2	1037	1535	2171	2679	4752	4791	3879	1976	1520
11 1939 Federal Report Surplus Deficit	-75.4	-567	-134	-445	-215	-911	130	111	275	1172	3140	3419	1229	738	501
12 1940 Federal Report Surplus Deficit	244	-386	-486	-367	321	188	-301	32.8	2368	1442	2370	3182	1737	247	731
13 1941 Federal Report Surplus Deficit	92.9	-613	-432	-632	119	-318	-1168	-671	-362	-945	444	2478	1315	525	29.7
14 1942 Federal Report Surplus Deficit	670	-262	-154	-714	540	1273	903	522	110	198	2092	2983	3156	3196	1098
15 1943 Federal Report Surplus Deficit	1133	485	301	-424	-380	-159	1982	1791	2376	4866	5391	4207	6168	3888	2134
16 1944 Federal Report Surplus Deficit	1260	295	-265	-525	-41.0	-853	-641	-547	-661	-949	574	1067	-354	-297	-210
17 1945 Federal Report Surplus Deficit	538	-560	-479	-600	-11.9	-697	-1564	-1017	-636	-828	-808	3867	4099	-389	144
18 1946 Federal Report Surplus Deficit	181	-366	-459	-571	78.3	119	981	1138	1491	3311	4962	4934	3783	2772	1523
19 1947 Federal Report Surplus Deficit	1830	1303	158	-574	613	2410	2869	2771	2970	2197	2783	4845	4031	2554	2226
20 1948 Federal Report Surplus Deficit	1075	29.0	-18.3	1712	1756	1124	2808	1955	2104	1580	4058	5948	6149	3368	2523
21 1949 Federal Report Surplus Deficit	2696	2132	541	-205	309	-112	777	334	3253	2223	4441	5512	3958	-133	1667
22 1950 Federal Report Surplus Deficit	-122	-840	-960	-561	-239	188	2421	3470	3012	3612	3569	4201	6224	4873	2136
23 1951 Federal Report Surplus Deficit	2657	2014	390	476	2056	2537	3774	4390	4837	4050	3844	4906	3925	3683	3102
24 1952 Federal Report Surplus Deficit	1920	192	60.5	1227	1126	1227	2306	2262	2321	3699	5276	5946	4280	2243	2375
25 1953 Federal Report Surplus Deficit	1265	-146	-659	-505	-59.8	-788	-591	2755	1099	385	1660	3729	6430	4050	1408
26 1954 Federal Report Surplus Deficit	1427	662	175	-266	616	618	1881	3065	2738	1880	2789	4720	5297	4792	2247
27 1955 Federal Report Surplus Deficit	3349	2937	2008	-138	1216	549	-309	468	-946	-192	1296	3373	6181	4619	1725
28 1956 Federal Report Surplus Deficit	2646	1268	-67.7	27.8	1674	2428	3913	4182	4032	3356	4926	5825	6009	3779	3153
29 1957 Federal Report Surplus Deficit	1987	1635	187	-33.2	256	797	1104	-2.46	2382	3118	2597	6271	6373	1533	1966
30 1958 Federal Report Surplus Deficit	872	24.3	-330	-442	135	-242	1539	1615	1802	1342	3282	5487	5384	1223	1573
31 1959 Federal Report Surplus Deficit	957	-139	-328	-273	1186	1934	3419	3341	3111	2772	2604	3976	5582	4275	2438
32 1960 Federal Report Surplus Deficit	2644	1941	2392	2412	2575	1768	1830	1436	1771	5128	3691	3192	4537	2488	2588
33 1961 Federal Report Surplus Deficit	1644	-161	-278	-324	494	43.9	1473	1910	3379	2074	2020	4675	5611	1559	1772
34 1962 Federal Report Surplus Deficit	943	130	-325	-595	172	51.9	1194	1340	-127	3661	4714	4323	3709	1460	1319
35 1963 Federal Report Surplus Deficit	1333	297	-325	218	1290	1648	2028	1606	843	189	1642	3701	3418	2239	1534
36 1964 Federal Report Surplus Deficit	1168	44.6	305	-550	195	-6.72	95.9	154	95.7	2363	1489	3997	6276	4553	1469
37 1965 Federal Report Surplus Deficit	2598	1729	798	381	952	2698	4692	5187	4146	1521	4902	5153	4274	2350	2995
38 1966 Federal Report Surplus Deficit	2359	1475	-212	-103	419	286	805	941	353	3740	2327	2498	3228	2350	1290

Federal Report Surplus Deficit By Water Year

Operating Year 2028

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
39 1967 Federal Report Surplus Deficit	1715	-69.5	-237	-566	-101	810	2747	2873	2756	1233	-159	3759	5870	3928	1930
40 1968 Federal Report Surplus Deficit	1742	1002	195	-209	680	308	1557	2327	2477	-99.8	991	2243	4709	2822	1573
41 1969 Federal Report Surplus Deficit	1957	936	1245	496	1765	1235	3711	3811	2878	3554	4726	5701	4785	2462	2797
42 1970 Federal Report Surplus Deficit	790	-44.7	-105	-130	342	-421	1465	1422	891	614	1386	3878	5540	482	1221
43 1971 Federal Report Surplus Deficit	745	-139	-454	-474	-47.0	373	3906	4943	4148	3434	3989	5686	6088	4178	2687
44 1972 Federal Report Surplus Deficit	2569	2336	410	-8.94	495	617	3409	4416	5618	4602	3157	5396	5825	4375	3070
45 1973 Federal Report Surplus Deficit	2987	2537	544	-69.1	495	246	1134	465	-202	-1078	600	2359	440	338	694
46 1974 Federal Report Surplus Deficit	393	-411	-521	-548	62.4	1297	4854	5069	5284	4171	4618	5281	6027	5003	3009
47 1975 Federal Report Surplus Deficit	2782	2584	465	-640	-80.4	-255	1672	1729	2104	389	1392	4504	6177	4455	1977
48 1976 Federal Report Surplus Deficit	1661	1062	598	612	1984	3407	3467	3624	3643	4111	3851	5691	4680	4109	3096
49 1977 Federal Report Surplus Deficit	3542	3623	2700	-5.65	33.6	-828	-339	-352	-825	-1259	114	734	-368	-303	290
50 1978 Federal Report Surplus Deficit	561	-455	-975	-897	30.5	477	1148	1428	1216	3497	2717	4365	3101	2323	1279
51 1979 Federal Report Surplus Deficit	657	-163	1032	18.1	388	-702	-417	837	1146	219	1853	4361	2429	-422	824
52 1980 Federal Report Surplus Deficit	221	-572	-239	-438	25.7	-1081	435	-474	-306	1406	3031	5587	4830	1204	964
53 1981 Federal Report Surplus Deficit	405	-217	-137	-489	456	1639	2676	2830	1026	-651	1356	3813	6067	3626	1825
54 1982 Federal Report Surplus Deficit	2579	2008	187	-363	752	324	2208	5156	5171	3440	3228	5249	5907	4994	2925
55 1983 Federal Report Surplus Deficit	2371	2299	1178	530	797	841	2712	3133	4380	2421	2528	4372	4552	3967	2606
56 1984 Federal Report Surplus Deficit	2313	1761	544	-182	2243	1136	2163	2601	2648	3933	4525	4667	5780	3352	2594
57 1985 Federal Report Surplus Deficit	1941	441	526	-123	783	213	784	641	545	2013	3352	4065	2220	315	1150
58 1986 Federal Report Surplus Deficit	-398	-901	-386	164	1139	402	1653	2793	5147	4131	4525	3516	4100	1255	1946
59 1987 Federal Report Surplus Deficit	829	-373	-477	-603	609	296	-254	163	869	-445	1418	3744	2362	-282	594
60 1988 Federal Report Surplus Deficit	50.3	-741	-609	-558	-107	-1122	-1207	-1488	-251	-488	1213	2221	1121	762	-98.4
61 1989 Federal Report Surplus Deficit	541	-349	-452	-606	223	-184	-755	-1470	914	1510	4728	3677	2528	595	643
62 1990 Federal Report Surplus Deficit	194	-425	-485	-436	485	743	910	2836	2459	1244	4185	3330	4728	2121	1597
63 1991 Federal Report Surplus Deficit	1948	1002	-288	-603	2022	1366	2505	2471	2684	2380	2162	3861	4323	4109	2181
64 1992 Federal Report Surplus Deficit	2706	1264	-238	-599	-17.9	-1032	-333	453	813	-1165	533	2157	583	60.3	293
65 1993 Federal Report Surplus Deficit	213	-607	-741	-568	128	-667	-1863	-1360	527	696	1667	4189	3205	807	389
66 1994 Federal Report Surplus Deficit	608	-27.5	-222	-455	251	-472	-1306	-810	59.2	-704	1196	2339	2288	385	216
67 1995 Federal Report Surplus Deficit	493	-433	-385	-555	-317	-482	421	873	940	2153	1697	3891	4968	1755	1083
68 1996 Federal Report Surplus Deficit	540	-98.0	161	478	2844	4462	4486	5175	5528	3672	4966	5281	4729	4179	3483
69 1997 Federal Report Surplus Deficit	2180	1280	177	-308	682	1300	5076	5534	5608	3995	4986	5644	6043	4441	3360
70 1998 Federal Report Surplus Deficit	2187	2361	1147	1905	1639	216	642	1608	883	1067	2448	5614	5651	2005	2110
71 1999 Federal Report Surplus Deficit	1950	492	-229	-482	-102	1129	3478	3649	4164	2167	3852	4275	5707	4421	2516
72 2000 Federal Report Surplus Deficit	3428	2426	568	-318	2415	1696	1562	1769	1851	3344	4512	4453	1931	1860	2052
73 2001 Federal Report Surplus Deficit	1540	-524	-640	-414	-74.7	-807	-638	-580	-523	-1040	203	1652	-810	-89.9	-234
74 2002 Federal Report Surplus Deficit	626	-566	-905	-996	-59.8	-331	-969	-577	219	1150	3809	3407	5460	3265	916
75 2003 Federal Report Surplus Deficit	687	394	-307	-377	154	-671	-1126	-829	1534	1141	2062	3337	4928	319	758
76 2004 Federal Report Surplus Deficit	-52.0	-610	-727	-511	646	297	-342	-1048	460	501	1580	3140	2764	883	526
77 2005 Federal Report Surplus Deficit	-39.8	-113	150	-9.93	409	539	624	1233	-47.9	-469	1082	3590	2880	666	852

Federal Report Surplus Deficit By Water Year

Operating Year 2028

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
78 2006 Federal Report Surplus Deficit	659	-290	-510	-497	611	257	1969	2637	2061	3825	4812	5374	5220	1605	1925
79 2007 Federal Report Surplus Deficit	390	-478	-763	-596	637	344	1552	1050	2733	2602	1977	3980	2856	2079	1344
80 2008 Federal Report Surplus Deficit	422	-577	-898	-364	501	-461	-251	-81.2	390	713	-55.4	4639	6512	2475	1058
Ranked Averages															
81 Bottom 10 pct	634	-217	-440	-492	11.0	-766	-1233	-866	-439	-571	347	1849	607	93.3	-130
82 Middle 80 pct	1274	448	-7.17	-230	527	326	1069	1366	1653	1721	2681	4115	4279	2165	1524
83 Top 10 pct	1905	1148	243	139	1343	2343	4209	4697	4837	3685	4406	5397	5189	3990	3159

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Exhibit 36
Regional Report Surplus Deficit By Water Year
80 Water Year Regional Surplus/Deficit

Annual Energy
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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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Regional Report Surplus Deficit	5813	6138	4422	5763	6236	3532	2366	2863	4056	4628	6286	5224	6637	3565	4679
2 1930 Regional Report Surplus Deficit	4046	3328	4764	5141	5715	3164	1253	3945	3895	5162	7310	3838	2829	5922	4193
3 1931 Regional Report Surplus Deficit	4465	3476	4557	5125	5997	3240	2511	1286	3290	4433	3071	5075	2870	5178	3920
4 1932 Regional Report Surplus Deficit	4010	3303	4095	4951	5471	3353	1088	1706	6984	12074	12953	11909	12750	8298	6410
5 1933 Regional Report Surplus Deficit	5906	5184	5513	5261	6030	6408	8039	8490	8700	7928	7290	8587	15143	13247	8207
6 1934 Regional Report Surplus Deficit	8699	7369	5700	7666	11240	13305	13862	12946	13554	14395	12372	9681	9409	6562	10428
7 1935 Regional Report Surplus Deficit	3520	3184	4185	5189	5669	4010	7487	8089	8255	5018	7469	7929	8956	9647	6575
8 1936 Regional Report Surplus Deficit	7297	4652	3881	5147	5689	2571	1119	2950	4632	5773	10910	12049	12218	6925	5962
9 1937 Regional Report Surplus Deficit	4352	3440	4351	5035	5906	3100	929	1769	3605	4676	3333	5591	6699	4105	4088
10 1938 Regional Report Surplus Deficit	4566	3308	4467	5301	6648	5507	6832	7775	8876	10741	14436	11925	10295	8726	7729
11 1939 Regional Report Surplus Deficit	3988	3235	5037	5190	5783	3540	4832	4832	5481	7712	9952	8131	5700	6138	5589
12 1940 Regional Report Surplus Deficit	4161	3256	4728	5232	6230	3967	4869	4723	10158	7805	7985	7468	4876	5319	5769
13 1941 Regional Report Surplus Deficit	2963	2505	4390	4812	5731	4241	2063	3406	4031	3449	5080	5649	4935	5028	4274
14 1942 Regional Report Surplus Deficit	4023	3149	4698	4946	6718	6245	6791	6490	6695	5279	8109	7087	9377	9653	6578
15 1943 Regional Report Surplus Deficit	5359	4846	5901	5114	5621	4749	8359	8559	9662	15914	14853	10209	14981	12922	8864
16 1944 Regional Report Surplus Deficit	7438	5065	4710	5402	6148	3760	2709	3752	4285	4019	5257	3215	2226	3947	4253
17 1945 Regional Report Surplus Deficit	4211	2936	4225	4676	5457	3025	2492	3100	3851	4549	1908	8553	11096	4446	4810
18 1946 Regional Report Surplus Deficit	4022	3204	4513	5285	6592	5471	6865	6892	8800	12165	14460	12149	11076	11064	7967
19 1947 Regional Report Surplus Deficit	6165	5483	5477	5448	7025	10867	10185	10757	10869	10177	10093	10984	11196	9756	9035
20 1948 Regional Report Surplus Deficit	5773	5282	4998	10568	9381	7800	10023	8321	8494	8567	11859	13291	15135	11767	9633
21 1949 Regional Report Surplus Deficit	9279	8164	6272	6277	6329	5252	5777	6169	10456	10318	13168	12502	11537	5675	8063
22 1950 Regional Report Surplus Deficit	4048	2804	4560	5259	6504	4654	9982	11637	11418	13361	11932	10205	15207	14798	9163
23 1951 Regional Report Surplus Deficit	9623	8361	6046	8232	10586	11733	13130	14403	14680	14197	13056	12043	11291	12164	11395
24 1952 Regional Report Surplus Deficit	7499	5097	5614	9827	8135	8284	9370	9386	9050	12719	15281	13649	12216	9465	9602
25 1953 Regional Report Surplus Deficit	5659	4693	3962	5231	5448	2995	6138	8507	7482	6374	6995	9468	15145	13058	7427
26 1954 Regional Report Surplus Deficit	7421	5779	5442	6186	6990	7349	9841	10453	10927	9733	9777	11260	13518	14618	9406
27 1955 Regional Report Surplus Deficit	10045	9954	9405	6461	8403	6682	4732	5400	4042	5584	6028	7535	15197	14022	8146
28 1956 Regional Report Surplus Deficit	8809	6184	5075	7542	9671	11091	12878	12790	12995	12758	15336	13329	15271	12601	11218
29 1957 Regional Report Surplus Deficit	8559	7296	5684	6968	6335	7625	6874	6721	8768	11853	9054	13796	15145	8346	8727
30 1958 Regional Report Surplus Deficit	5076	4321	4963	5299	6102	4099	7765	8393	8582	8394	10428	12556	13801	7442	7744
31 1959 Regional Report Surplus Deficit	5501	4079	4481	5842	8202	9892	11659	11457	11395	11470	9797	10132	13534	12979	9569
32 1960 Regional Report Surplus Deficit	8482	7822	10340	12264	11499	9205	8018	8166	8783	16385	11760	8040	12092	9649	10016
33 1961 Regional Report Surplus Deficit	6304	4751	4539	5781	6871	5718	7921	9716	11472	9689	8118	10790	13455	7820	8192
34 1962 Regional Report Surplus Deficit	6013	4042	4529	5154	6133	5204	6975	7427	5246	13162	14379	9906	9994	8053	7267
35 1963 Regional Report Surplus Deficit	5761	5039	4524	7048	8493	9085	8299	8943	7373	5768	6996	8643	10291	9112	7793
36 1964 Regional Report Surplus Deficit	5225	4353	5679	5339	6334	5638	5382	5744	5711	10291	6861	9430	15530	13664	7651
37 1965 Regional Report Surplus Deficit	8758	7491	6926	7424	7409	11459	13563	15289	13513	8993	14897	12306	11696	9733	10757
38 1966 Regional Report Surplus Deficit	7956	7401	5054	6466	6428	6087	6341	6479	6241	13428	8779	6631	9644	9446	7298

Regional Report Surplus Deficit By Water Year

Operating Year 2019

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
39 1967 Regional Report Surplus Deficit	6545	4206	4655	5286	5910	7126	10478	11012	10807	7952	4309	9133	14986	12567	8606
40 1968 Regional Report Surplus Deficit	7431	6116	5450	6687	7094	6335	9312	9649	10010	5062	5533	6086	13030	10353	7994
41 1969 Regional Report Surplus Deficit	7090	6198	8066	8072	9500	8285	11442	12701	11073	13662	14524	13383	12594	9854	10449
42 1970 Regional Report Surplus Deficit	5557	4411	4942	6119	6447	4512	7637	7665	7746	6295	6181	9309	13981	6375	7149
43 1971 Regional Report Surplus Deficit	5500	3979	4541	5254	6302	5527	12332	15142	13415	13148	13083	13145	15577	13938	10213
44 1972 Regional Report Surplus Deficit	9287	8754	6049	6844	6869	7007	12137	14239	17046	16896	11413	12947	15427	13788	11275
45 1973 Regional Report Surplus Deficit	9791	9289	6534	6660	6589	6730	6924	5208	4973	3593	4896	6009	4354	5593	6128
46 1974 Regional Report Surplus Deficit	3931	2923	4526	5270	6349	8137	15283	15350	15563	14422	14524	12448	15467	14951	10906
47 1975 Regional Report Surplus Deficit	9500	9226	6169	5321	6429	4925	7986	8623	9239	6532	6828	11273	14993	14204	8770
48 1976 Regional Report Surplus Deficit	7570	7160	6509	8354	10166	13112	12120	11529	12822	13863	12480	13104	12903	12985	11180
49 1977 Regional Report Surplus Deficit	10709	10889	10867	6391	6157	3487	2960	4089	4702	3165	4004	2489	1708	3725	5083
50 1978 Regional Report Surplus Deficit	4043	2927	3188	4560	5878	6268	6828	7243	7347	12836	9831	10893	8704	9954	7136
51 1979 Regional Report Surplus Deficit	5112	4240	8390	6440	6275	3851	5040	4525	8138	4948	7192	9905	8216	3900	6288
52 1980 Regional Report Surplus Deficit	3928	3429	4921	5197	5806	3339	4718	5073	5135	8245	10255	12710	12885	7770	6703
53 1981 Regional Report Surplus Deficit	4075	3644	5159	5126	6280	9694	10529	10980	7380	4342	6861	8531	13850	11355	8177
54 1982 Regional Report Surplus Deficit	8540	7259	5371	5897	6963	6541	8986	15030	15216	12545	10582	12414	14543	14379	10368
55 1983 Regional Report Surplus Deficit	8865	8417	7555	7731	7205	7752	10838	11891	13374	10750	9238	10865	12963	12998	10143
56 1984 Regional Report Surplus Deficit	9151	6697	6193	6263	10716	8067	9890	10192	10076	13004	12713	10540	14262	11638	9867
57 1985 Regional Report Surplus Deficit	8099	5466	6302	6458	7591	6025	5667	6035	6116	9807	10741	9595	7791	5820	7032
58 1986 Regional Report Surplus Deficit	3287	2388	5130	5760	9388	6198	8957	10599	15135	13955	13356	8812	11058	7500	8724
59 1987 Regional Report Surplus Deficit	4704	3751	4383	5152	6954	6161	4960	4436	7521	4892	6790	8995	6841	4268	5820
60 1988 Regional Report Surplus Deficit	3243	2374	4210	4897	5553	2845	2446	1925	4532	4372	6413	5845	4801	6150	4294
61 1989 Regional Report Surplus Deficit	4127	3328	4133	4949	6842	4246	3440	3001	6836	8215	13823	9058	8219	5779	5943
62 1990 Regional Report Surplus Deficit	4035	3514	4640	5197	7162	7227	8631	9171	9627	8263	12394	7625	12385	9300	7903
63 1991 Regional Report Surplus Deficit	7228	6422	4537	5294	10519	8231	9585	10157	10465	10504	8279	9262	11864	12730	9062
64 1992 Regional Report Surplus Deficit	8817	6807	4521	5176	6209	3214	4059	4836	7092	3934	4569	5103	3196	3848	4945
65 1993 Regional Report Surplus Deficit	3367	2458	3693	4918	6140	3309	2150	1077	5651	6244	7161	9740	9422	6412	5195
66 1994 Regional Report Surplus Deficit	5277	4109	4986	5163	6205	3963	1760	2618	3956	4186	6564	7271	7026	5468	4880
67 1995 Regional Report Surplus Deficit	3874	2769	4411	5007	5408	4088	5498	7729	9568	6822	6441	8411	13190	8420	6791
68 1996 Regional Report Surplus Deficit	5143	3934	5539	7143	12301	14891	14659	15771	16164	13721	15368	12575	12981	12586	11948
69 1997 Regional Report Surplus Deficit	8471	6774	5532	5993	7009	8364	14744	15702	16090	14401	15379	13151	15149	13744	11471
70 1998 Regional Report Surplus Deficit	8771	8941	8005	11292	9168	6440	7344	7587	7706	7787	8839	12761	14514	9469	9295
71 1999 Regional Report Surplus Deficit	6302	4831	4663	5353	5887	8059	11933	12766	13635	10727	12114	10369	14966	13951	9861
72 2000 Regional Report Surplus Deficit	10317	9252	6266	5920	11131	9295	7983	8207	8497	12442	13999	10350	7674	8502	8900
73 2001 Regional Report Surplus Deficit	5848	3608	4106	5296	5604	3225	2207	3325	4384	3744	4511	4039	1088	4164	3861
74 2002 Regional Report Surplus Deficit	4069	2693	3276	4302	5427	4063	3481	3838	5487	7456	11218	8232	13444	11270	6296
75 2003 Regional Report Surplus Deficit	5341	4760	4745	5090	6190	3515	2956	3118	7632	7181	7756	7609	11374	5426	5852
76 2004 Regional Report Surplus Deficit	3434	2251	3703	5413	6698	4740	4585	3490	6178	5809	6844	7204	7182	6475	5411
77 2005 Regional Report Surplus Deficit	4326	4097	6570	6277	6183	6483	6287	6359	4625	3261	5906	7947	8144	6777	6201

Regional Report Surplus Deficit By Water Year

Operating Year 2019

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
78 2006 Regional Report Surplus Deficit	4791	3094	4470	4679	6129	5862	9239	9966	8903	13083	13576	12116	13498	8033	8320
79 2007 Regional Report Surplus Deficit	4272	3449	3890	5083	7743	5382	7641	7441	10279	11182	8214	8521	9448	8481	7282
80 2008 Regional Report Surplus Deficit	4582	3052	3584	5316	6398	3609	3982	4704	5644	6431	3555	10444	15379	10405	6524
Ranked Averages															
81 Bottom 10 pct	4771	3742	4439	5184	5861	3388	2060	2784	4010	4310	5157	4809	4011	4757	4195
82 Middle 80 pct	6084	5037	5318	5972	7011	5955	7093	7600	8455	8983	9409	9697	11434	9212	7702
83 Top 10 pct	7699	6448	5775	7100	8795	10724	13564	14384	14859	13656	14057	12738	13773	12819	11269

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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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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Regional Report Surplus Deficit	5634	5960	4274	5139	5980	3296	2111	3393	3512	4650	5939	5179	7179	3025	4509
2 1930 Regional Report Surplus Deficit	3932	3211	4623	4596	5397	2930	912	4216	3826	5162	5850	4360	4344	4993	4095
3 1931 Regional Report Surplus Deficit	4306	3314	4419	4652	5783	2957	1310	1946	4771	4841	2260	4733	3669	4698	3862
4 1932 Regional Report Surplus Deficit	3842	3132	3956	4243	5186	3102	1911	1474	6746	11943	12526	11892	13106	8042	6281
5 1933 Regional Report Surplus Deficit	5727	5010	5370	4816	6500	6291	8023	8248	8487	7425	7007	8659	15160	12911	8080
6 1934 Regional Report Surplus Deficit	8518	7190	5552	6984	11733	12301	13302	12830	13295	14697	12105	9848	9732	5963	10218
7 1935 Regional Report Surplus Deficit	3348	3012	4046	4717	5927	4407	7515	8516	7720	4773	7226	8041	9213	9011	6515
8 1936 Regional Report Surplus Deficit	7120	4475	3739	4545	5425	2896	849	3313	4377	5793	10518	11890	12664	6300	5821
9 1937 Regional Report Surplus Deficit	4182	3269	4213	4582	5521	3111	1142	2187	3326	4698	1966	5599	6910	4752	4032
10 1938 Regional Report Surplus Deficit	4391	3134	4325	4764	6450	5295	6507	7649	8759	10663	13904	11887	11091	8381	7584
11 1939 Regional Report Surplus Deficit	3812	3059	4895	4779	5495	3344	4797	4947	5590	7468	9693	8129	6421	5816	5512
12 1940 Regional Report Surplus Deficit	3989	3085	4588	4849	6135	5198	3732	5107	9384	7807	7641	7554	6758	4613	5761
13 1941 Regional Report Surplus Deficit	2795	2335	4252	4426	5668	4002	1787	3538	3766	3112	4822	5583	5890	4760	4179
14 1942 Regional Report Surplus Deficit	3854	2978	4555	4621	6334	7319	5623	5774	4695	5303	7766	7094	9828	10362	6343
15 1943 Regional Report Surplus Deficit	5147	4773	5754	4741	5780	4999	8183	8321	9625	15876	14632	10216	15077	12562	8773
16 1944 Regional Report Surplus Deficit	7251	4884	4563	4956	5856	3537	2781	3851	4104	4039	4888	3246	2787	3553	4143
17 1945 Regional Report Surplus Deficit	4042	2764	4086	4555	4890	2726	2235	3088	3604	4596	2452	8555	11576	3880	4669
18 1946 Regional Report Surplus Deficit	3848	3031	4370	4768	6395	5587	6829	7225	7839	11966	14091	12018	11576	10258	7768
19 1947 Regional Report Surplus Deficit	6043	5360	5330	4915	7578	10330	9840	10595	10955	10176	9728	10826	11628	9388	8913
20 1948 Regional Report Surplus Deficit	5614	5118	4849	9937	10006	7250	9728	8486	8601	8569	11937	13278	15276	11233	9521
21 1949 Regional Report Surplus Deficit	9171	8046	6124	5590	6979	4675	5415	5680	11276	10061	12853	12393	12028	4926	7926
22 1950 Regional Report Surplus Deficit	3871	2628	4417	5027	6010	5530	9847	11777	11138	13354	11703	10392	15246	14529	9120
23 1951 Regional Report Surplus Deficit	9455	8197	5897	7547	11207	11212	12536	14173	14400	14301	12761	11929	11706	11793	11219
24 1952 Regional Report Surplus Deficit	6845	4939	5461	9167	8775	7733	8799	9207	9533	12368	14844	13420	12417	8926	9403
25 1953 Regional Report Surplus Deficit	5480	4515	3821	4731	5555	3234	4279	10570	7091	6449	6848	9566	15316	12252	7314
26 1954 Regional Report Surplus Deficit	6722	5645	5299	5498	7636	6778	8862	11284	10362	9641	9580	11126	13625	14252	9198
27 1955 Regional Report Surplus Deficit	9962	9871	9253	5777	9030	6130	4060	5966	3035	5603	5674	7758	15181	13677	7943
28 1956 Regional Report Surplus Deficit	8691	6018	4930	6857	10294	10560	12511	12784	12828	12902	14803	13230	15520	12182	11061
29 1957 Regional Report Surplus Deficit	7965	7126	5538	6281	6933	7109	6614	5589	9714	11918	8811	13728	15219	7673	8530
30 1958 Regional Report Surplus Deficit	4902	4148	4822	4936	6089	4634	7620	8477	8583	8413	10080	12515	13818	7030	7677
31 1959 Regional Report Surplus Deficit	5328	3905	4340	5343	8845	9365	11311	11301	10835	11575	9511	10030	13808	12591	9399
32 1960 Regional Report Surplus Deficit	8402	7742	10186	11652	12029	8684	7715	7840	8513	16394	11513	8238	12219	9312	9854
33 1961 Regional Report Surplus Deficit	6122	4569	4392	5133	7512	5142	7554	9267	11319	9720	7371	10797	13644	7435	7992
34 1962 Regional Report Surplus Deficit	5884	3915	4386	4785	6261	5131	6643	7276	4470	13014	14030	10009	10951	7361	7120
35 1963 Regional Report Surplus Deficit	5581	4861	4379	6355	9127	8538	8199	8984	6532	5791	6652	8719	10688	8760	7636
36 1964 Regional Report Surplus Deficit	5093	4220	5534	4879	6788	5051	5066	5474	5176	10286	6511	9639	15622	13310	7458
37 1965 Regional Report Surplus Deficit	8572	7366	6773	6746	8045	10921	13014	15173	13128	9235	14490	12164	12023	9328	10578
38 1966 Regional Report Surplus Deficit	7769	7209	4900	5777	7076	5515	6038	6525	5820	13410	8416	6681	10183	9027	7153

Regional Report Surplus Deficit By Water Year

Operating Year 2020

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
39 1967 Regional Report Surplus Deficit	6414	4072	4509	4816	5947	6967	10203	10665	10125	8208	4014	9388	15119	12151	8427
40 1968 Regional Report Surplus Deficit	6774	5950	5307	5999	7739	5763	8004	10046	10301	5191	5191	6158	13245	10006	7829
41 1969 Regional Report Surplus Deficit	6950	6052	7912	7387	10126	7735	11392	11866	10872	13557	14189	13197	13088	9373	10256
42 1970 Regional Report Surplus Deficit	5414	4270	4797	5577	6707	4330	7622	7956	6625	6482	5884	9640	14164	5939	7015
43 1971 Regional Report Surplus Deficit	5315	3801	4397	4885	6062	5874	12022	15097	12948	13140	12663	13009	15814	13416	10055
44 1972 Regional Report Surplus Deficit	8733	8621	5901	6156	7519	6434	11580	13952	16868	16894	11148	12726	15521	13456	11054
45 1973 Regional Report Surplus Deficit	9646	9147	6386	6003	7214	6153	6633	5854	4446	4397	4505	5899	4678	5107	6022
46 1974 Regional Report Surplus Deficit	3765	2756	4383	4788	6709	7985	14641	15666	15280	14675	14109	12452	15487	14665	10786
47 1975 Regional Report Surplus Deficit	9361	9090	6021	4856	6135	5138	8067	8545	8909	6624	6532	11375	15156	13699	8644
48 1976 Regional Report Surplus Deficit	6920	6965	6355	7665	10787	12563	11759	11493	12580	13883	12021	12953	13118	12632	10982
49 1977 Regional Report Surplus Deficit	10581	10749	10715	5703	6000	3268	2375	5106	3840	3189	3664	2847	2357	3229	4953
50 1978 Regional Report Surplus Deficit	3874	2756	3050	4028	5590	6184	6551	7102	7433	12850	9521	10960	9555	9371	7021
51 1979 Regional Report Surplus Deficit	4928	4053	8237	5760	6732	3646	3212	6708	7397	5312	6889	9797	8395	3939	6184
52 1980 Regional Report Surplus Deficit	3755	3253	4778	4810	5637	3253	5173	4713	4530	8316	10035	12641	13273	7186	6548
53 1981 Regional Report Surplus Deficit	3897	3464	5010	4735	6960	9176	10111	10836	6816	4068	6168	8830	14030	11073	8018
54 1982 Regional Report Surplus Deficit	8462	7163	5226	5284	7580	5966	8690	14887	14828	12656	10356	12316	14722	14267	10235
55 1983 Regional Report Surplus Deficit	8679	8236	7407	7048	7851	7181	10515	11651	13508	10691	8945	10525	12930	12564	9949
56 1984 Regional Report Surplus Deficit	8601	6561	6045	5728	11235	7487	9716	10262	9971	13022	12313	10479	14438	11104	9706
57 1985 Regional Report Surplus Deficit	7919	5288	6155	5862	8201	5427	5543	5961	6298	9552	10467	9791	8209	5190	6926
58 1986 Regional Report Surplus Deficit	3114	2211	4979	6429	8905	5627	8078	10396	15106	14291	12836	8781	11767	6901	8575
59 1987 Regional Report Surplus Deficit	4530	3577	4238	4868	7464	5576	3851	5534	7073	4626	6559	8903	7791	3800	5722
60 1988 Regional Report Surplus Deficit	3075	2203	4068	4929	4858	2398	2239	1915	4327	4404	6075	5818	5851	5800	4176
61 1989 Regional Report Surplus Deficit	3959	3157	3997	4624	6432	4351	3110	1983	6451	8393	13791	9065	8730	6008	5784
62 1990 Regional Report Surplus Deficit	3856	3333	4493	4707	7519	6812	7063	10082	9511	8297	12282	8266	12567	8957	7799
63 1991 Regional Report Surplus Deficit	7119	6288	4393	4846	11207	7677	9485	9884	9848	10632	8070	9278	12205	12398	8930
64 1992 Regional Report Surplus Deficit	8633	6628	4377	4436	5894	3020	3667	5797	6190	3959	4227	5117	4055	3953	4847
65 1993 Regional Report Surplus Deficit	3198	2287	3553	4895	5418	2926	1194	1527	5794	6655	6790	9644	10046	5945	5037
66 1994 Regional Report Surplus Deficit	5163	3996	4836	4677	5860	3704	1644	3110	5081	4092	6467	6206	7750	4900	4798
67 1995 Regional Report Surplus Deficit	3750	2643	4272	4503	5258	4225	5197	7047	7105	9757	6516	9265	13517	8022	6629
68 1996 Regional Report Surplus Deficit	4988	3783	5393	6789	12791	13875	14115	15570	16582	13900	14970	12436	13164	12307	11802
69 1997 Regional Report Surplus Deficit	8288	6594	5385	5304	7657	7795	14363	15744	15909	14735	14877	13023	15193	13457	11319
70 1998 Regional Report Surplus Deficit	8584	8749	7854	10675	9793	5868	6352	8291	7071	7799	8498	12548	14744	8503	9035
71 1999 Regional Report Surplus Deficit	6135	4666	4520	4848	6213	7723	11411	12747	12996	10482	11797	10455	15094	13672	9670
72 2000 Regional Report Surplus Deficit	10132	9071	6122	5383	11616	8741	7678	7910	8562	12321	13688	10380	7996	7947	8738
73 2001 Regional Report Surplus Deficit	5677	3436	3964	4882	5460	2977	2367	3411	3355	4014	4154	4583	1885	3640	3762
74 2002 Regional Report Surplus Deficit	3900	2522	3140	3711	5193	4253	3217	3855	5142	7374	11078	8243	13604	11037	6145
75 2003 Regional Report Surplus Deficit	5175	4594	4601	4597	5777	3220	2340	3357	7606	7150	7431	7633	12532	4878	5718
76 2004 Regional Report Surplus Deficit	3266	2080	3565	4931	6976	5262	3782	2889	5474	5785	6519	7273	8745	6327	5338
77 2005 Regional Report Surplus Deficit	4151	3918	6416	5570	6831	5931	5983	6325	4384	4130	5555	7926	8947	5756	6070

Regional Report Surplus Deficit By Water Year

Operating Year 2020

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
78 2006 Regional Report Surplus Deficit	4721	3023	4326	4659	6832	5217	9134	9789	8685	12801	13323	12130	13625	7438	8206
79 2007 Regional Report Surplus Deficit	4099	3278	3750	4789	7778	5720	7455	6938	10720	11110	7701	9136	9247	8129	7226
80 2008 Regional Report Surplus Deficit	4412	2881	3446	5283	5890	3848	3790	4320	5502	6551	3241	10475	15421	9887	6365
Ranked Averages															
81 Bottom 10 pct	4606	3576	4297	4770	5565	3151	1831	3057	3873	4365	4494	4888	4814	4403	4095
82 Middle 80 pct	5888	4879	5173	5486	7204	5743	6677	7654	8128	9039	9114	9726	11822	8779	7561
83 Top 10 pct	7427	6287	5627	6482	9376	10168	13065	14319	14697	13816	13648	12614	13967	12477	11100

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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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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Regional Report Surplus Deficit	5302	4929	4259	4856	5715	2384	747	1728	2029	4067	5363	4615	4849	1665	3557
2 1930 Regional Report Surplus Deficit	3486	3095	3805	4310	5132	2019	-453	2520	2353	4603	5299	3807	1982	3629	3107
3 1931 Regional Report Surplus Deficit	3498	2981	3667	4366	5518	2046	-45.6	290	3316	4304	1730	4184	1308	3332	2868
4 1932 Regional Report Surplus Deficit	3743	2793	3582	3957	4921	2190	550	-181	5248	11216	11560	11147	10896	6681	5322
5 1933 Regional Report Surplus Deficit	5324	4386	4709	4530	6235	5380	6483	6556	7103	7153	6462	8010	13254	11849	7144
6 1934 Regional Report Surplus Deficit	8239	7115	5423	6702	11468	11538	11740	10946	11612	13650	11029	9249	7722	4601	9236
7 1935 Regional Report Surplus Deficit	2682	2970	3105	4431	5660	3495	6079	6495	6680	4172	6633	7368	6900	7649	5502
8 1936 Regional Report Surplus Deficit	6521	4100	3550	4259	5160	1985	-544	1617	2880	5193	9924	11188	10562	4937	4876
9 1937 Regional Report Surplus Deficit	3373	2909	3387	4296	5256	2200	-216	519	1834	4097	1372	5024	4528	3391	3017
10 1938 Regional Report Surplus Deficit	3867	2983	3774	4478	6185	4384	5144	5938	7306	9943	12893	11063	8759	7018	6568
11 1939 Regional Report Surplus Deficit	3205	2783	4261	4493	5230	2433	3432	3479	3889	7163	9065	7564	4016	4455	4529
12 1940 Regional Report Surplus Deficit	3199	2884	3598	4563	5870	4286	2346	3410	7871	7205	7047	6955	4395	3147	4722
13 1941 Regional Report Surplus Deficit	2650	2260	3586	4140	5403	3090	415	1844	2280	2544	4261	5001	3517	3396	3214
14 1942 Regional Report Surplus Deficit	3455	2697	4028	4335	6069	6407	4237	4078	3219	4710	7181	6471	7460	9103	5373
15 1943 Regional Report Surplus Deficit	4850	4507	5117	4455	5515	4088	6730	6828	8138	15074	13757	9578	13088	11191	7807
16 1944 Regional Report Surplus Deficit	5791	4402	4364	4670	5591	2625	1422	2173	2620	3467	4323	2669	391	2149	3141
17 1945 Regional Report Surplus Deficit	3426	2414	3512	4269	4625	1814	876	1392	2122	4031	1894	7935	9220	2519	3683
18 1946 Regional Report Surplus Deficit	3314	2946	3766	4482	6130	4676	5435	5536	6364	11431	13029	11279	9210	8892	6759
19 1947 Regional Report Surplus Deficit	6434	6221	5077	4630	7310	9332	8310	8823	9260	9625	9194	10241	9273	8028	7997
20 1948 Regional Report Surplus Deficit	4972	4438	4694	9648	9739	6339	8286	6814	7122	8079	11133	12455	13404	9843	8560
21 1949 Regional Report Surplus Deficit	8395	8020	5994	5303	6714	3764	4055	3984	9676	9526	12108	11751	9723	3564	6972
22 1950 Regional Report Surplus Deficit	3264	2499	3088	4741	5745	4619	8322	9915	9413	12369	11246	9557	13461	13374	8056
23 1951 Regional Report Surplus Deficit	8677	8173	5769	7267	10940	10214	10909	12414	12687	13403	11685	11142	9400	10559	10176
24 1952 Regional Report Surplus Deficit	6958	4558	5340	8889	8507	6822	7355	7560	8027	11864	13832	12737	10015	7553	8447
25 1953 Regional Report Surplus Deficit	5368	4076	3439	4445	5290	2323	2886	8787	5594	5848	6254	8751	13386	11103	6370
26 1954 Regional Report Surplus Deficit	5789	5207	5167	5212	7371	5867	7319	9464	9002	9069	8838	10355	11832	13074	8248
27 1955 Regional Report Surplus Deficit	9601	9632	9057	5490	8765	5219	2676	4280	1539	5001	5081	6928	13343	12641	7051
28 1956 Regional Report Surplus Deficit	8305	6276	4801	6575	10027	9562	11040	10972	11120	12031	13741	12477	13595	10920	10093
29 1957 Regional Report Surplus Deficit	7138	7158	5410	5995	6668	6198	5220	3893	8207	11209	8210	13049	13477	6311	7624
30 1958 Regional Report Surplus Deficit	4758	3780	3999	4650	5825	3723	6226	6344	7473	7804	9467	11750	11736	5639	6681
31 1959 Regional Report Surplus Deficit	4834	3644	4019	5057	8577	8418	9833	9340	9133	10984	8929	9319	11901	11647	8443
32 1960 Regional Report Surplus Deficit	7973	7471	10051	11354	11763	7751	6364	6345	6930	15395	10726	7440	10051	7949	8894
33 1961 Regional Report Surplus Deficit	6240	4132	4241	4847	7246	4231	6186	7518	9683	9162	6734	9969	11838	6074	7066
34 1962 Regional Report Surplus Deficit	5056	3700	3968	4499	5996	4220	5272	5579	2974	12390	12934	9314	8599	6000	6106
35 1963 Regional Report Surplus Deficit	5696	4391	4258	6069	8860	7627	6765	7277	5035	5190	6058	8012	8333	7400	6685
36 1964 Regional Report Surplus Deficit	4940	3876	5372	4592	6523	4140	3673	3785	3680	9678	5908	8832	13956	12286	6589
37 1965 Regional Report Surplus Deficit	8230	7254	6647	6460	7780	9923	11608	13547	11222	8543	13384	11388	9690	7967	9553
38 1966 Regional Report Surplus Deficit	7748	6898	4781	5493	6811	4604	4647	4831	4324	12684	7835	6065	7885	7666	6221

Regional Report Surplus Deficit By Water Year

Operating Year 2021

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
39 1967 Regional Report Surplus Deficit	5947	3964	4251	4530	5683	6056	8694	8895	8558	7374	3371	8766	13231	10916	7482
40 1968 Regional Report Surplus Deficit	6434	5623	5173	5712	7473	4852	6616	8254	8772	4643	4654	5532	11032	8648	6881
41 1969 Regional Report Surplus Deficit	6710	5947	7791	7109	9859	6824	10130	9963	8990	13060	13150	12514	10966	8011	9280
42 1970 Regional Report Surplus Deficit	4944	3895	4576	5291	6442	3419	6191	6260	5345	5727	5272	8748	11978	4578	6048
43 1971 Regional Report Surplus Deficit	4575	3448	3885	4599	5797	4963	10985	12763	11404	12193	11744	12246	13892	12085	9019
44 1972 Regional Report Surplus Deficit	8613	8297	5774	5870	7254	5523	10138	12102	15060	15808	10498	11931	13688	12377	10094
45 1973 Regional Report Surplus Deficit	9187	8824	6256	5717	6949	5242	5239	4157	2949	3821	3937	5327	2325	3746	5076
46 1974 Regional Report Surplus Deficit	3565	2825	3741	4502	6441	7074	13284	13557	13646	13719	13037	11624	13798	13484	9783
47 1975 Regional Report Surplus Deficit	8900	8874	5891	4570	5870	4227	6638	6848	7552	5955	5891	10410	13009	12233	7678
48 1976 Regional Report Surplus Deficit	6475	6292	6231	7383	10520	11595	10275	10136	10335	12976	11338	12263	10815	11538	9968
49 1977 Regional Report Surplus Deficit	10211	10470	10573	5417	5735	2357	1960	2350	2353	2654	3136	2255	-5.58	1763	4005
50 1978 Regional Report Surplus Deficit	3412	2491	2473	3742	5326	5273	5157	5644	5709	12097	8882	10136	7196	8008	6006
51 1979 Regional Report Surplus Deficit	4414	3749	7474	5474	6467	2734	1824	5020	5901	4793	6267	9155	6034	2577	5177
52 1980 Regional Report Surplus Deficit	3222	2701	4170	4524	5373	2342	3779	3017	3034	7735	9461	12069	10982	5825	5558
53 1981 Regional Report Surplus Deficit	3670	3386	4503	4449	6694	8252	8500	9010	5332	3641	5724	8197	12388	9843	7100
54 1982 Regional Report Surplus Deficit	7607	7225	5111	4998	7315	5055	7233	13185	13296	11807	9567	11456	12498	13029	9244
55 1983 Regional Report Surplus Deficit	8196	8049	7276	6762	7586	6270	9015	9825	11942	10011	8288	9805	10545	11229	8956
56 1984 Regional Report Surplus Deficit	7833	7343	5917	5442	10967	6576	8216	8436	8472	12230	11572	9759	12337	9742	8766
57 1985 Regional Report Surplus Deficit	7002	4803	6027	5576	7936	4516	4155	4265	4802	8911	9848	9147	5866	3827	5946
58 1986 Regional Report Surplus Deficit	2281	2155	4251	6147	8638	4716	6671	8849	13364	13408	12184	8197	9492	5538	7549
59 1987 Regional Report Surplus Deficit	4521	3076	3911	4582	7199	4664	2460	3838	5576	4344	5918	8284	5428	2435	4774
60 1988 Regional Report Surplus Deficit	2775	2158	3495	4643	4593	1487	848	219	2831	3838	5515	5258	3486	4431	3217
61 1989 Regional Report Surplus Deficit	3548	2904	3508	4338	6167	3440	1740	319	5120	7628	12782	8429	6353	4622	4805
62 1990 Regional Report Surplus Deficit	3524	3265	3759	4421	7253	5901	5707	8316	8044	7938	11320	7641	10605	7591	6832
63 1991 Regional Report Surplus Deficit	6637	5617	4132	4560	10940	6765	7995	8249	8436	10002	7394	8685	9938	11418	7987
64 1992 Regional Report Surplus Deficit	8174	6303	4247	4150	5629	2109	2339	4176	4769	3426	3701	4552	1691	2589	3918
65 1993 Regional Report Surplus Deficit	2747	2081	2973	4609	5153	2015	-131	-98.4	4320	6062	6204	9035	7394	4846	4074
66 1994 Regional Report Surplus Deficit	4610	3674	4203	4391	5595	2792	307	1483	3657	3631	5967	5635	5355	3528	3829
67 1995 Regional Report Surplus Deficit	3470	2574	3683	4217	4993	3313	3867	5421	5630	9130	5934	8663	11253	6649	5675
68 1996 Regional Report Surplus Deficit	4489	3549	4864	6507	12525	13247	12668	13675	14439	13177	13890	11660	10827	11180	10740
69 1997 Regional Report Surplus Deficit	7711	6339	5258	5018	7392	6884	13060	13829	14275	13792	13865	12365	13439	12373	10369
70 1998 Regional Report Surplus Deficit	8239	8434	7726	10381	9527	4956	4975	6589	5575	7200	7906	11925	12501	7125	8097
71 1999 Regional Report Surplus Deficit	6533	5242	4327	4562	5948	6812	10166	10461	11450	9987	11149	9768	12956	12529	8774
72 2000 Regional Report Surplus Deficit	9942	8748	5988	5096	11349	7829	6300	6542	6795	11728	12577	9664	5608	6567	7768
73 2001 Regional Report Surplus Deficit	5785	3197	3494	4595	5195	2065	1079	1714	1913	3458	3605	3997	-522	2256	2822
74 2002 Regional Report Surplus Deficit	3347	2229	2552	3425	4928	3342	1823	2200	3727	6921	10429	7619	11666	9665	5205
75 2003 Regional Report Surplus Deficit	4819	4562	3874	4310	5512	2308	1009	1727	6160	6622	6837	7008	10324	3500	4767
76 2004 Regional Report Surplus Deficit	2554	2252	3095	4644	6711	4351	2445	1249	4033	5293	5968	6647	6353	4949	4390
77 2005 Regional Report Surplus Deficit	2780	3699	5179	5284	6566	5020	4274	5124	3024	3538	4990	7352	6573	4366	5016

Regional Report Surplus Deficit By Water Year

Operating Year 2021

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
78 2006 Regional Report Surplus Deficit	3832	2911	3549	4373	6567	4306	7684	8067	7248	12292	12447	11368	11578	6024	7186
79 2007 Regional Report Surplus Deficit	3905	2829	3110	4503	7511	4809	6092	5287	9184	10445	7146	8501	6856	6748	6233
80 2008 Regional Report Surplus Deficit	3872	2588	3164	4997	5625	2937	2403	2712	4050	6021	2697	9754	13673	8496	5457
Ranked Averages															
81 Bottom 10 pct	4083	3241	3757	4485	5300	2240	475	1376	2397	3797	3933	4319	2442	3031	3118
82 Middle 80 pct	5447	4660	4765	5200	6938	4831	5287	5922	6626	8423	8426	9040	9649	7460	6595
83 Top 10 pct	7008	6126	5386	6198	9110	9253	11623	12529	12848	12931	12680	11856	11907	11300	10097

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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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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Regional Report Surplus Deficit	4504	3629	3041	3457	4296	1570	349	1331	1910	2081	3734	4848	5811	1356	2912
2 1930 Regional Report Surplus Deficit	2692	1709	2604	2919	3737	1188	-852	2123	2234	2618	3670	4039	2945	3320	2462
3 1931 Regional Report Surplus Deficit	2690	1583	2454	2984	4110	1243	-444	-106	3196	2319	101	4415	2272	3023	2222
4 1932 Regional Report Surplus Deficit	2950	1395	2378	2570	3518	1385	152	-578	5130	9129	9751	11317	11733	6372	4650
5 1933 Regional Report Surplus Deficit	4526	3085	3507	3148	4828	4571	6001	6462	6825	4792	4725	8234	13844	11471	6449
6 1934 Regional Report Surplus Deficit	7440	5814	4213	5318	9855	10549	11117	10563	11266	11567	9356	9306	8646	4292	8501
7 1935 Regional Report Surplus Deficit	1888	1571	1906	3042	4239	2683	5571	6060	6543	2187	5003	7652	7862	7341	4846
8 1936 Regional Report Surplus Deficit	5724	2735	2350	2863	3759	1176	-943	1220	2762	3201	8198	11327	11400	4628	4209
9 1937 Regional Report Surplus Deficit	2580	1512	2179	2906	3852	1392	-614	123	1715	2112	-257	5255	5491	3082	2372
10 1938 Regional Report Surplus Deficit	3072	1592	2571	3080	4760	3540	4745	5522	7154	7842	11075	11094	9638	6710	5877
11 1939 Regional Report Surplus Deficit	2409	1415	3053	3095	3814	1610	3034	3082	3771	4974	7493	7786	5043	4146	3880
12 1940 Regional Report Surplus Deficit	2406	1487	2384	3169	4466	3458	1947	3013	7700	5175	5418	7209	5359	2838	4069
13 1941 Regional Report Surplus Deficit	1757	862	2360	2742	3989	2267	16.7	1448	2161	558	2632	5233	4481	3087	2560
14 1942 Regional Report Surplus Deficit	2661	1302	2799	2943	4659	5523	3838	3681	3100	2722	5549	6704	8420	8796	4719
15 1943 Regional Report Surplus Deficit	4022	3138	3896	3066	4073	3244	6198	6405	7815	13085	12169	9739	13867	10931	7108
16 1944 Regional Report Surplus Deficit	4993	3098	3138	3264	4166	1802	1072	1721	2502	1481	2693	2903	1355	1840	2493
17 1945 Regional Report Surplus Deficit	2580	1015	2297	2885	3192	998	477	995	2003	2045	265	8123	10081	2210	3020
18 1946 Regional Report Surplus Deficit	2518	1574	2547	3088	4700	3832	5037	5140	6245	9242	11342	11348	10098	8587	6077
19 1947 Regional Report Surplus Deficit	5636	4884	3847	3227	5886	8417	7749	8510	9105	7537	7524	10300	10153	7717	7302
20 1948 Regional Report Surplus Deficit	4174	3100	3468	8143	8267	5523	7746	6365	6998	5909	9350	12543	14112	9565	7838
21 1949 Regional Report Surplus Deficit	7596	6716	4767	3896	5291	2933	3657	3587	9442	7320	10368	11901	10571	3255	6283
22 1950 Regional Report Surplus Deficit	2467	1101	1880	3337	4327	3814	7623	9668	9428	10478	9303	9661	14172	12917	7352
23 1951 Regional Report Surplus Deficit	7878	6869	4544	5847	9399	9271	10251	11931	12395	11426	9986	11161	10265	10248	9435
24 1952 Regional Report Surplus Deficit	6160	3154	4116	7367	7069	5974	6839	7204	7733	9625	12155	12749	10898	7244	7723
25 1953 Regional Report Surplus Deficit	4564	2770	2210	3027	3856	1479	2488	8314	5475	3860	4621	8987	13998	10795	5683
26 1954 Regional Report Surplus Deficit	5178	3892	3929	3785	5926	5023	6846	8963	8695	7092	7321	10363	12519	12702	7529
27 1955 Regional Report Surplus Deficit	8889	8317	7796	4073	7321	4379	2277	3883	1420	3016	3451	7218	14087	12173	6373
28 1956 Regional Report Surplus Deficit	7506	4974	3576	5169	8524	8620	10450	10474	11017	10047	12018	12471	14287	10615	9360
29 1957 Regional Report Surplus Deficit	6325	5840	4170	4558	5223	5354	4815	3497	8032	9096	6594	13103	14164	6003	6920
30 1958 Regional Report Surplus Deficit	3963	2465	2766	3212	4380	2878	5778	6576	6777	5796	7773	11938	12526	5330	6000
31 1959 Regional Report Surplus Deficit	4016	2252	2773	3635	7132	7475	9273	9069	9023	8794	7304	9362	12683	11238	7724
32 1960 Regional Report Surplus Deficit	6731	6139	8790	9779	10137	6829	5919	5942	6681	13310	8982	7703	10875	7641	8151
33 1961 Regional Report Surplus Deficit	5442	2828	3023	3441	5811	3386	5713	7062	9457	7071	5181	10104	12602	5763	6370
34 1962 Regional Report Surplus Deficit	4260	2334	2755	3087	4553	3375	4873	5182	2855	10269	11238	9551	9509	5691	5441
35 1963 Regional Report Surplus Deficit	4898	3077	3053	4631	7415	6712	6175	6818	4917	3205	4430	8282	9249	7090	6005
36 1964 Regional Report Surplus Deficit	4142	2491	4153	3187	5078	3304	3274	3388	3561	7579	4288	9063	14485	11960	5894
37 1965 Regional Report Surplus Deficit	7432	5950	5430	5059	6335	8981	11439	12427	11117	6348	11672	11482	10515	7658	8824
38 1966 Regional Report Surplus Deficit	6937	5540	3555	4081	5366	3759	4249	4434	4205	10587	6204	6337	8857	7356	5566

Regional Report Surplus Deficit By Water Year

Operating Year 2022

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
39 1967 Regional Report Surplus Deficit	5151	2585	3035	3131	4249	5212	8104	8483	8473	5539	1677	8884	13885	10608	6784
40 1968 Regional Report Surplus Deficit	5636	4323	3967	4299	6058	4014	6133	7863	8464	2663	3022	5827	11836	8339	6203
41 1969 Regional Report Surplus Deficit	5909	4618	6566	5694	8374	5974	9540	9755	8570	10648	11435	12542	11749	7703	8543
42 1970 Regional Report Surplus Deficit	4145	2527	3368	3872	5024	2575	5755	5855	5009	3913	3678	9048	12813	4269	5378
43 1971 Regional Report Surplus Deficit	3776	2147	2677	3192	4352	4118	10235	12467	11372	10077	9968	12264	14450	11760	8291
44 1972 Regional Report Surplus Deficit	7691	6994	4537	4448	5809	4679	9487	11704	14842	13614	8752	11859	14319	11929	9328
45 1973 Regional Report Surplus Deficit	7978	7520	5028	4304	5504	4397	4836	3761	2831	1836	2307	5552	3289	3437	4406
46 1974 Regional Report Surplus Deficit	2771	1427	2523	3092	4996	6211	12631	13076	13474	11729	11331	11691	14442	13094	9044
47 1975 Regional Report Surplus Deficit	8102	7571	4675	3166	4449	3383	6157	6429	7291	4035	4306	10520	13832	11926	6992
48 1976 Regional Report Surplus Deficit	5677	4988	5004	5926	8986	10652	9735	9765	10105	11032	9498	12295	11600	11227	9239
49 1977 Regional Report Surplus Deficit	9651	9104	9020	4010	4300	1535	1562	1954	2234	668	1507	2489	958	1454	3337
50 1978 Regional Report Surplus Deficit	2519	1092	1271	2341	3881	4429	4759	5247	5589	9986	7244	10232	8120	7700	5329
51 1979 Regional Report Surplus Deficit	3616	2445	6239	4084	5054	1914	1426	4623	5782	2753	4690	9366	6997	2269	4529
52 1980 Regional Report Surplus Deficit	2429	1325	2957	3127	3936	1504	3381	2620	2915	5717	7814	12091	11753	5516	4871
53 1981 Regional Report Surplus Deficit	2873	2056	3282	3061	5281	7337	7848	8537	5213	1519	3978	8447	13214	9533	6398
54 1982 Regional Report Surplus Deficit	6779	5923	3906	3593	5870	4211	6708	12712	13046	9765	7996	11504	13304	12674	8534
55 1983 Regional Report Surplus Deficit	6957	6745	6043	5340	6146	5425	8436	9352	11736	7853	6691	9966	11343	10917	8231
56 1984 Regional Report Surplus Deficit	7034	6006	4681	4032	9398	5732	7676	7963	8243	10145	9845	9859	13060	9443	8036
57 1985 Regional Report Surplus Deficit	6203	3493	4770	4140	6491	3672	3934	3945	4390	6837	8131	9376	6829	3518	5279
58 1986 Regional Report Surplus Deficit	1486	759	2992	4733	7205	3878	6198	8198	13244	11443	10387	8369	10302	5229	6842
59 1987 Regional Report Surplus Deficit	3727	1678	2669	3172	5768	3837	2062	3441	5457	2068	4391	8506	6392	2126	4112
60 1988 Regional Report Surplus Deficit	1982	759	2284	3254	3182	642	450	-178	2712	1853	3886	5490	4449	4123	2568
61 1989 Regional Report Surplus Deficit	2719	1487	2290	2961	4781	2647	1342	-78.2	4848	5759	11069	8630	7316	4314	4146
62 1990 Regional Report Surplus Deficit	2672	1840	2527	3034	5860	5104	5309	8045	7853	5631	9602	7902	11433	7282	6161
63 1991 Regional Report Surplus Deficit	5820	4295	2906	3175	9434	5882	7325	7900	8271	8029	5903	8846	10748	11027	7285
64 1992 Regional Report Surplus Deficit	6955	4993	3034	2777	4252	1330	1940	3779	4651	1441	2072	4796	2655	2280	3265
65 1993 Regional Report Surplus Deficit	1952	688	1769	3235	3771	1236	-530	-495	4201	4075	4573	9181	8354	4537	3426
66 1994 Regional Report Surplus Deficit	3789	2345	2964	3001	4199	1999	-91.2	1087	3538	1579	4317	5878	6343	3219	3184
67 1995 Regional Report Surplus Deficit	2653	1168	2468	2843	3613	2534	3468	5024	5511	7029	4299	8813	12063	6340	5008
68 1996 Regional Report Surplus Deficit	3673	2135	3629	5119	10921	12265	11965	13384	14248	11042	12143	11675	11630	10876	9993
69 1997 Regional Report Surplus Deficit	6474	4986	4022	3630	5998	6053	12432	13494	14103	11696	12112	12351	14184	12009	9632
70 1998 Regional Report Surplus Deficit	6949	7112	6497	8869	8108	4145	4576	6162	5456	5214	6277	12044	13263	6816	7392
71 1999 Regional Report Surplus Deficit	5712	3822	3097	3186	4533	5959	9576	9988	11219	7717	9449	9932	13752	12102	8045
72 2000 Regional Report Surplus Deficit	9221	7424	4761	3711	9795	6939	5834	6110	6677	9584	10902	9856	6571	6259	7088
73 2001 Regional Report Surplus Deficit	4974	1792	2272	3211	3808	1199	680	1317	1794	1472	1976	4227	441	1947	2171
74 2002 Regional Report Surplus Deficit	2537	815	1337	2042	3540	2556	1424	1803	3608	4828	8700	7873	12473	9358	4542
75 2003 Regional Report Surplus Deficit	4013	3256	2667	2941	4136	1530	610	1330	6041	4569	5223	7252	11106	3191	4115
76 2004 Regional Report Surplus Deficit	1743	838	1872	3261	5317	3554	2047	853	3915	3258	4356	6933	7322	4640	3748
77 2005 Regional Report Surplus Deficit	1969	2339	3948	3908	5181	4232	3876	4727	2825	1599	3387	7535	7569	4057	4369

Regional Report Surplus Deficit By Water Year

Operating Year 2022

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
78 2006 Regional Report Surplus Deficit	3015	1489	2326	2995	5179	3517	7162	7738	7053	9952	10797	11567	12412	5715	6500
79 2007 Regional Report Surplus Deficit	3067	1388	1878	3115	6109	4006	5643	4890	8959	8347	5512	8700	7819	6439	5561
80 2008 Regional Report Surplus Deficit	3059	1170	1945	3616	4233	2141	2005	2315	3932	4017	1070	9859	14354	8188	4777
Ranked Averages															
81 Bottom 10 pct	3271	1868	2542	3092	3893	1413	82.2	972	2278	1812	2304	4551	3406	2722	2470
82 Middle 80 pct	4615	3303	3537	3792	5504	3994	4824	5538	6446	6353	6766	9210	10486	7140	5910
83 Top 10 pct	6138	4790	4158	4786	7621	8342	11049	12032	12663	10867	10939	11873	12655	10957	9357

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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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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Regional Report Surplus Deficit	3747	3140	2418	2811	3612	953	-179	812	1097	2376	3925	3777	4268	991	2262
2 1930 Regional Report Surplus Deficit	1935	1220	1981	2273	3052	571	-1380	1604	1420	2912	3860	2969	1400	2956	1812
3 1931 Regional Report Surplus Deficit	1934	1094	1830	2338	3426	626	-972	-626	2384	2614	292	3344	726	2659	1572
4 1932 Regional Report Surplus Deficit	2193	906	1755	1924	2834	768	-376	-1097	4315	9392	9909	10249	10259	6008	4003
5 1933 Regional Report Surplus Deficit	3769	2596	2883	2502	4143	3954	5473	5943	6010	5083	4911	7161	12507	11103	5815
6 1934 Regional Report Surplus Deficit	6683	5325	3590	4672	9170	9932	10589	10044	10448	11848	9533	8253	7108	3928	7852
7 1935 Regional Report Surplus Deficit	1132	1082	1282	2396	3554	2066	5043	5541	5728	2480	5192	6576	6316	6977	4195
8 1936 Regional Report Surplus Deficit	4967	2246	1726	2217	3074	559	-1471	701	1948	3496	8388	10306	9926	4264	3569
9 1937 Regional Report Surplus Deficit	1823	1023	1555	2260	3168	775	-1142	-397	902	2407	-65.8	4180	3946	2718	1721
10 1938 Regional Report Surplus Deficit	2316	1103	1947	2434	4076	2923	4217	5003	6339	8121	11250	10015	8096	6344	5225
11 1939 Regional Report Surplus Deficit	1652	925	2430	2449	3129	993	2506	2563	2958	5273	7688	6732	3498	3782	3231
12 1940 Regional Report Surplus Deficit	1649	998	1761	2523	3782	2841	1419	2494	6885	5467	5604	6144	3814	2473	3419
13 1941 Regional Report Surplus Deficit	1000	372	1737	2096	3305	1650	-511	928	1348	853	2823	4153	2936	2723	1909
14 1942 Regional Report Surplus Deficit	1905	812	2175	2297	3975	4906	3310	3162	2287	3014	5737	5629	6878	8432	4068
15 1943 Regional Report Surplus Deficit	3266	2649	3272	2420	3388	2627	5670	5886	6999	13362	12341	8686	12468	10572	6470
16 1944 Regional Report Surplus Deficit	4236	2609	2514	2619	3481	1185	544	1202	1688	1776	2884	1829	-191	1476	1843
17 1945 Regional Report Surplus Deficit	1823	526	1674	2239	2508	382	-50.9	476	1190	2341	456	7045	8560	1845	2371
18 1946 Regional Report Surplus Deficit	1762	1085	1924	2442	4016	3215	4509	4621	5431	9511	11506	10252	8562	8224	5424
19 1947 Regional Report Surplus Deficit	4880	4394	3223	2581	5202	7801	7221	7990	8289	7828	7712	9262	8622	7355	6656
20 1948 Regional Report Surplus Deficit	3417	2611	2844	7497	7583	4906	7218	5846	6183	6213	9550	11518	12806	9203	7212
21 1949 Regional Report Surplus Deficit	6839	6227	4127	3250	4606	2316	3129	3068	8626	7593	10537	10857	9056	2891	5635
22 1950 Regional Report Surplus Deficit	1711	612	1256	2691	3643	3197	7095	9149	8612	10756	9475	8603	12791	12556	6715
23 1951 Regional Report Surplus Deficit	7122	6380	3921	5201	8714	8655	9888	10974	11317	11703	10158	10132	8729	9865	8744
24 1952 Regional Report Surplus Deficit	5403	2665	3492	6721	6384	5357	6311	6684	6919	9902	12328	11788	9395	6879	7084
25 1953 Regional Report Surplus Deficit	3807	2281	1586	2381	3171	862	1959	7795	4661	4155	4813	7917	12653	10443	5051
26 1954 Regional Report Surplus Deficit	4421	3403	3306	3139	5242	4406	6318	8444	7879	7383	7508	9295	11014	12348	6883
27 1955 Regional Report Surplus Deficit	8084	7828	7052	3427	6636	3762	1749	3364	607	3312	3643	6153	12722	11842	5730
28 1956 Regional Report Surplus Deficit	6749	4485	2952	4523	7840	8003	9922	9955	10207	10343	12209	11434	12902	10232	8725
29 1957 Regional Report Surplus Deficit	5569	5351	3546	3912	4539	4737	4286	2977	7215	9377	6770	12085	12786	5638	6287
30 1958 Regional Report Surplus Deficit	3207	1976	2143	2566	3695	2261	5249	6057	5962	6075	7947	10891	10990	4966	5351
31 1959 Regional Report Surplus Deficit	3259	1763	2150	2989	6448	6858	8745	8550	8207	9084	7489	8295	11204	10887	7081
32 1960 Regional Report Surplus Deficit	6389	5649	8047	9133	9453	6212	5391	5422	5866	13547	9115	6635	9379	7276	7508
33 1961 Regional Report Surplus Deficit	4685	2339	2399	2795	5127	2769	5185	6543	8643	7351	5355	9056	11106	5400	5725
34 1962 Regional Report Surplus Deficit	3504	1845	2131	2441	3869	2758	4345	4663	2042	10529	11393	8476	7979	5327	4789
35 1963 Regional Report Surplus Deficit	4141	2588	2430	3985	6731	6095	5647	6299	4103	3499	4619	7210	7715	6727	5356
36 1964 Regional Report Surplus Deficit	3385	2001	3530	2542	4393	2687	2746	2869	2748	7867	4470	7993	13259	11602	5270
37 1965 Regional Report Surplus Deficit	6675	5461	4784	4413	5650	8364	11037	11452	10313	6640	11860	10423	8978	7294	8151
38 1966 Regional Report Surplus Deficit	6180	5051	2932	3435	4681	3143	3720	3915	3392	10855	6367	5270	7318	6992	4915

Regional Report Surplus Deficit By Water Year

Operating Year 2023

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
39 1967 Regional Report Surplus Deficit	4394	2096	2411	2485	3564	4595	7576	7964	7656	5835	1868	7843	12580	10257	6157
40 1968 Regional Report Surplus Deficit	4879	3834	3344	3653	5374	3397	5605	7344	7648	2953	3214	4752	10314	7973	5554
41 1969 Regional Report Surplus Deficit	5152	4129	5852	5048	7689	5357	9012	9235	7746	10868	11550	11496	10252	7339	7885
42 1970 Regional Report Surplus Deficit	3389	2038	2744	3226	4339	1958	5227	5336	4195	4208	3868	7988	11339	3905	4734
43 1971 Regional Report Surplus Deficit	3020	1658	2053	2546	3667	3501	9707	11948	10568	10386	10172	11235	13189	11388	7669
44 1972 Regional Report Surplus Deficit	6934	6505	3914	3802	5125	4062	8959	11184	14100	13903	8938	10916	12956	11572	8710
45 1973 Regional Report Surplus Deficit	7633	7031	4404	3658	4819	3781	4308	3241	2018	2131	2498	4482	1744	3073	3773
46 1974 Regional Report Surplus Deficit	2014	938	1899	2446	4311	5594	12103	12557	12654	11977	11474	10624	13019	12711	8398
47 1975 Regional Report Surplus Deficit	7345	7081	4052	2520	3765	2766	5629	5909	6478	4329	4496	9470	12373	11607	6355
48 1976 Regional Report Surplus Deficit	4920	4499	4366	5280	8301	10035	9206	9246	9284	11277	9639	11267	10108	10849	8590
49 1977 Regional Report Surplus Deficit	8585	8955	8276	3364	3616	918	1033	1434	1421	963	1697	1416	-587	1089	2679
50 1978 Regional Report Surplus Deficit	1762	603	647	1695	3196	3812	4231	4728	4777	10268	7422	9165	6582	7334	4679
51 1979 Regional Report Surplus Deficit	2859	1956	5541	3438	4370	1297	898	4104	4968	3048	4881	8263	5450	1904	3870
52 1980 Regional Report Surplus Deficit	1672	836	2333	2481	3251	887	2853	2101	2102	6002	7995	11120	10281	5152	4235
53 1981 Regional Report Surplus Deficit	2116	1567	2659	2415	4596	6720	7320	8018	4400	1812	4167	7388	11781	9168	5758
54 1982 Regional Report Surplus Deficit	6023	5434	3282	2947	5185	3594	6180	12193	12250	10079	8204	10478	11812	12314	7895
55 1983 Regional Report Surplus Deficit	6200	6256	5339	4694	5461	4808	7908	8832	10910	8141	6875	8882	9838	10563	7576
56 1984 Regional Report Surplus Deficit	6278	5517	4057	3386	8713	5115	7148	7444	7428	10405	10000	8796	11561	9073	7387
57 1985 Regional Report Surplus Deficit	5447	3004	4147	3494	5807	3055	3406	3426	3577	7116	8306	8286	5285	3154	4626
58 1986 Regional Report Surplus Deficit	730	270	2368	4087	6521	3261	5670	7679	12442	11731	10572	7297	8785	4865	6195
59 1987 Regional Report Surplus Deficit	2970	1189	2046	2526	5084	3220	1534	2922	4644	2361	4580	7436	4847	1761	3462
60 1988 Regional Report Surplus Deficit	1225	270	1661	2608	2498	25.4	-78.6	-697	1899	2147	4076	4421	2904	3758	1918
61 1989 Regional Report Surplus Deficit	1963	998	1666	2315	4097	2030	814	-597	4034	6052	11257	7563	5771	3949	3496
62 1990 Regional Report Surplus Deficit	1915	1351	1903	2388	5176	4487	4781	7526	7036	5899	9766	6822	9892	6919	5508
63 1991 Regional Report Surplus Deficit	5064	3806	2282	2529	8749	5265	6797	7380	7457	8305	6076	7789	9243	10634	6636
64 1992 Regional Report Surplus Deficit	6611	4504	2410	2131	3567	713	1412	3260	3838	1736	2263	3724	1109	1915	2632
65 1993 Regional Report Surplus Deficit	1196	199	1146	2589	3087	619	-1058	-1014	3386	4369	4763	8093	6813	4173	2775
66 1994 Regional Report Surplus Deficit	3032	1855	2340	2355	3515	1382	-619	568	2725	1874	4508	4804	4797	2856	2534
67 1995 Regional Report Surplus Deficit	1896	679	1844	2197	2928	1917	2940	4505	4698	7321	4487	7735	10552	5976	4360
68 1996 Regional Report Surplus Deficit	2916	1646	3006	4473	10236	11648	11437	12865	13479	11371	12368	10662	10129	10508	9358
69 1997 Regional Report Surplus Deficit	5717	4497	3399	2984	5313	5436	11904	12975	13305	11981	12294	11320	12690	11642	8989
70 1998 Regional Report Surplus Deficit	6193	6623	5798	8223	7424	3528	4048	5643	4642	5509	6466	10987	11893	6451	6751
71 1999 Regional Report Surplus Deficit	4956	3333	2473	2540	3849	5342	9048	9469	10409	7988	9615	8838	12234	11734	7393
72 2000 Regional Report Surplus Deficit	8416	6935	4124	3065	9111	6322	5306	5591	5863	9865	11078	8806	5027	5894	6435
73 2001 Regional Report Surplus Deficit	4217	1303	1648	2565	3123	582	152	798	981	1767	2167	3158	-1104	1583	1521
74 2002 Regional Report Surplus Deficit	1780	326	713	1396	2855	1939	896	1284	2795	5113	8881	6799	10987	9000	3896
75 2003 Regional Report Surplus Deficit	3256	2766	2043	2295	3451	913	82.3	811	5226	4862	5412	6174	9637	2826	3471
76 2004 Regional Report Surplus Deficit	986	349	1249	2615	4632	2937	1519	333	3102	3552	4545	5858	5780	4275	3097
77 2005 Regional Report Surplus Deficit	1212	1850	3324	3262	4496	3615	3348	4208	2012	1894	3578	6465	6025	3693	3719

Regional Report Surplus Deficit By Water Year

Operating Year 2023

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
78 2006 Regional Report Surplus Deficit	2258	999	1703	2349	4494	2900	6634	7219	6238	10195	10935	10521	10908	5348	5851
79 2007 Regional Report Surplus Deficit	2310	899	1254	2469	5424	3389	5114	4371	8142	8642	5703	7628	6274	6075	4911
80 2008 Regional Report Surplus Deficit	2302	681	1321	2970	3548	1524	1477	1796	3117	4313	1261	8812	12927	7822	4139
Ranked Averages															
81 Bottom 10 pct	2515	1379	1918	2446	3208	796	-446	453	1465	2107	2495	3479	1861	2358	1820
82 Middle 80 pct	3872	2819	2903	3146	4820	3377	4296	5018	5632	6638	6946	8149	9001	6777	5265
83 Top 10 pct	5381	4301	3530	4140	6936	7725	10557	11401	11832	11149	11118	10847	11189	10584	8708

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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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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Regional Report Surplus Deficit	3499	2906	2255	2655	3503	751	-392	924	1152	3009	4342	4164	5118	925	2320
2 1930 Regional Report Surplus Deficit	1688	986	1818	2116	2943	369	-1593	1716	1476	3546	4278	3356	2252	2890	1873
3 1931 Regional Report Surplus Deficit	1686	860	1667	2181	3317	423	-1185	-514	2438	3247	709	3731	1579	2593	1628
4 1932 Regional Report Surplus Deficit	1945	672	1592	1768	2725	565	-589	-985	4372	10057	10359	10634	11040	5942	4048
5 1933 Regional Report Surplus Deficit	3522	2363	2721	2345	4034	3752	5260	6054	6067	5720	5333	7550	13151	11041	5862
6 1934 Regional Report Surplus Deficit	6436	5091	3427	4515	9061	9730	10376	10156	10508	12495	9964	8622	7953	3861	7919
7 1935 Regional Report Surplus Deficit	884	849	1120	2240	3445	1864	4830	5652	5785	3115	5611	6968	7169	6911	4262
8 1936 Regional Report Surplus Deficit	4720	2013	1564	2060	2965	356	-1684	812	2004	4129	8806	10643	10707	4197	3614
9 1937 Regional Report Surplus Deficit	1575	789	1393	2103	3059	573	-1355	-285	957	3040	351	4572	4798	2652	1779
10 1938 Regional Report Surplus Deficit	2068	870	1785	2277	3967	2720	4004	5115	6395	8770	11683	10410	8945	6280	5288
11 1939 Regional Report Surplus Deficit	1405	692	2267	2293	3020	791	2292	2675	3013	5902	8101	7103	4350	3715	3290
12 1940 Regional Report Surplus Deficit	1401	764	1598	2366	3673	2638	1206	2606	6942	6103	6026	6525	4666	2407	3479
13 1941 Regional Report Surplus Deficit	752	139	1574	1939	3196	1448	-725	1040	1403	1486	3240	4550	3788	2656	1969
14 1942 Regional Report Surplus Deficit	1657	579	2013	2140	3865	4704	3097	3274	2342	3650	6157	6020	7727	8366	4129
15 1943 Regional Report Surplus Deficit	3018	2415	3110	2263	3279	2425	5456	5998	7057	14013	12777	9056	13174	10501	6519
16 1944 Regional Report Surplus Deficit	3988	2376	2352	2462	3372	982	331	1314	1744	2409	3301	2219	662	1410	1904
17 1945 Regional Report Surplus Deficit	1576	293	1511	2082	2399	179	-264	588	1245	2973	873	7439	9387	1779	2427
18 1946 Regional Report Surplus Deficit	1514	851	1761	2285	3907	3012	4296	4732	5487	10171	11950	10665	9405	8157	5488
19 1947 Regional Report Surplus Deficit	4632	4161	3060	2424	5093	7598	7008	8102	8347	8465	8132	9616	9460	7287	6718
20 1948 Regional Report Surplus Deficit	3169	2377	2682	7340	7473	4703	7005	5958	6240	6837	9958	11859	13419	9134	7247
21 1949 Regional Report Surplus Deficit	6592	5993	3965	3093	4497	2113	2916	3180	8684	8248	10976	11217	9878	2825	5688
22 1950 Regional Report Surplus Deficit	1463	378	1094	2534	3534	2994	6882	9261	8670	11406	9911	8978	13479	12486	6771
23 1951 Regional Report Surplus Deficit	6874	6147	3758	5044	8605	8452	9510	11523	11637	12354	10594	10478	9572	9817	8855
24 1952 Regional Report Surplus Deficit	5155	2432	3329	6564	6275	5154	6098	6796	6975	10553	12763	12065	10204	6814	7134
25 1953 Regional Report Surplus Deficit	3560	2048	1423	2224	3062	660	1746	7906	4717	4788	5229	8303	13305	10365	5103
26 1954 Regional Report Surplus Deficit	4173	3169	3143	2982	5133	4204	6105	8555	7937	8020	7929	9679	11826	12271	6946
27 1955 Regional Report Surplus Deficit	7837	7594	6890	3270	6527	3560	1536	3476	662	3944	4059	6535	13394	11743	5768
28 1956 Regional Report Surplus Deficit	6502	4252	2790	4366	7730	7801	9708	10066	10259	10975	12626	11787	13594	10184	8776
29 1957 Regional Report Surplus Deficit	5321	5117	3384	3755	4429	4534	4073	3089	7274	10024	7202	12419	13471	5572	6324
30 1958 Regional Report Surplus Deficit	2959	1743	1980	2410	3586	2059	5036	6168	6019	6724	8380	11254	11833	4899	5414
31 1959 Regional Report Surplus Deficit	3011	1530	1987	2832	6339	6656	8532	8662	8265	9722	7912	8678	11990	10807	7141
32 1960 Regional Report Surplus Deficit	6141	5416	7884	8977	9344	6009	5178	5534	5923	14238	9590	7019	10182	7210	7565
33 1961 Regional Report Surplus Deficit	4437	2106	2237	2638	5018	2567	4972	6655	8699	7999	5789	9421	11909	5333	5785
34 1962 Regional Report Surplus Deficit	3256	1612	1969	2284	3760	2556	4132	4775	2097	11197	11845	8868	8816	5261	4853
35 1963 Regional Report Surplus Deficit	3893	2355	2267	3829	6621	5892	5434	6411	4159	4133	5038	7599	8556	6659	5420
36 1964 Regional Report Surplus Deficit	3138	1768	3367	2385	4284	2485	2533	2981	2803	8507	4896	8380	13792	11529	5300
37 1965 Regional Report Surplus Deficit	6427	5227	4621	4256	5541	8161	10697	12019	10359	7276	12280	10799	9822	7228	8245
38 1966 Regional Report Surplus Deficit	5933	4818	2769	3279	4572	2940	3507	4027	3447	11515	6812	5653	8164	6926	4976

Regional Report Surplus Deficit By Water Year

Operating Year 2024

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
39 1967 Regional Report Surplus Deficit	4147	1863	2249	2329	3455	4393	7363	8076	7715	6467	2285	8201	13192	10177	6201
40 1968 Regional Report Surplus Deficit	4632	3600	3181	3496	5265	3194	5392	7455	7706	3591	3630	5143	11143	7909	5621
41 1969 Regional Report Surplus Deficit	4904	3896	5689	4892	7580	5155	8799	9347	7812	11576	12043	11858	11056	7272	7952
42 1970 Regional Report Surplus Deficit	3141	1805	2581	3069	4230	1756	5014	5448	4251	4841	4286	8364	12120	3839	4792
43 1971 Regional Report Surplus Deficit	2772	1424	1891	2389	3558	3299	9494	12060	10614	11005	10576	11580	13757	11330	7715
44 1972 Regional Report Surplus Deficit	6686	6271	3751	3645	5016	3859	8746	11296	14084	14542	9360	11176	13626	11498	8747
45 1973 Regional Report Surplus Deficit	7385	6798	4241	3501	4710	3578	4095	3353	2073	2764	2915	4868	2596	3006	3834
46 1974 Regional Report Surplus Deficit	1767	704	1736	2289	4202	5392	11890	12668	12716	12657	11939	11007	13749	12664	8467
47 1975 Regional Report Surplus Deficit	7097	6848	3889	2364	3656	2563	5416	6021	6533	4963	4914	9836	13139	11495	6403
48 1976 Regional Report Surplus Deficit	4672	4266	4204	5123	8192	9833	8993	9357	9347	11960	10106	11612	10907	10797	8652
49 1977 Regional Report Surplus Deficit	8337	8722	8113	3207	3507	716	820	1546	1476	1596	2115	1805	265	1023	2738
50 1978 Regional Report Surplus Deficit	1514	370	485	1538	3087	3610	4017	4840	4831	10914	7852	9548	7427	7269	4742
51 1979 Regional Report Surplus Deficit	2612	1723	5379	3282	4260	1095	685	4215	5024	3681	5298	8683	6304	1838	3936
52 1980 Regional Report Surplus Deficit	1424	602	2171	2324	3142	685	2640	2212	2157	6645	8422	11407	11060	5086	4278
53 1981 Regional Report Surplus Deficit	1869	1334	2496	2258	4487	6518	7106	8129	4455	2447	4586	7763	12521	9103	5817
54 1982 Regional Report Surplus Deficit	5775	5201	3120	2791	5076	3391	5967	12304	12288	10693	8604	10820	12611	12244	7958
55 1983 Regional Report Surplus Deficit	5952	6023	5177	4537	5352	4606	7694	8944	10978	8781	7299	9283	10650	10487	7641
56 1984 Regional Report Surplus Deficit	6030	5284	3894	3229	8604	4913	6934	7556	7485	11073	10453	9175	12367	9013	7449
57 1985 Regional Report Surplus Deficit	5199	2770	3984	3338	5698	2853	3193	3538	3632	7765	8739	8692	6136	3088	4688
58 1986 Regional Report Surplus Deficit	482	36.6	2205	3930	6412	3058	5457	7790	12486	12371	10995	7685	9609	4799	6258
59 1987 Regional Report Surplus Deficit	2723	955	1883	2369	4975	3018	1320	3034	4699	2996	4999	7822	5698	1695	3523
60 1988 Regional Report Surplus Deficit	977	36.7	1498	2451	2389	-177	-292	-585	1954	2781	4494	4806	3756	3692	1973
61 1989 Regional Report Surplus Deficit	1715	765	1504	2158	3988	1827	601	-486	4090	6687	11677	7946	6623	3883	3548
62 1990 Regional Report Surplus Deficit	1668	1117	1740	2231	5066	4284	4568	7637	7095	6559	10210	7218	10740	6851	5579
63 1991 Regional Report Surplus Deficit	4816	3572	2120	2372	8640	5063	6584	7492	7513	8957	6511	8162	10055	10596	6700
64 1992 Regional Report Surplus Deficit	6363	4271	2247	1974	3458	511	1199	3372	3893	2369	2680	4112	1962	1849	2697
65 1993 Regional Report Surplus Deficit	948	-34.7	983	2432	2978	417	-1271	-903	3443	5003	5181	8497	7661	4107	2829
66 1994 Regional Report Surplus Deficit	2785	1622	2178	2198	3406	1179	-832	679	2780	2507	4925	5194	5650	2789	2591
67 1995 Regional Report Surplus Deficit	1649	445	1681	2040	2819	1715	2727	4616	4753	7957	4907	8129	11370	5910	4421
68 1996 Regional Report Surplus Deficit	2668	1412	2843	4316	10127	11446	11223	12976	13490	11970	12751	10991	10937	10446	9416
69 1997 Regional Report Surplus Deficit	5469	4263	3236	2827	5204	5234	11691	13086	13345	12624	12720	11668	13491	11578	9055
70 1998 Regional Report Surplus Deficit	5945	6390	5635	8067	7315	3326	3835	5755	4698	6142	6885	11361	12570	6385	6796
71 1999 Regional Report Surplus Deficit	4708	3099	2311	2383	3740	5140	8835	9580	10461	8646	10057	9248	13059	11672	7463
72 2000 Regional Report Surplus Deficit	8168	6701	3961	2908	9001	6120	5093	5702	5919	10512	11509	9173	5878	5829	6495
73 2001 Regional Report Surplus Deficit	3970	1069	1485	2409	3014	380	-61.2	910	1036	2400	2584	3543	-252	1517	1582
74 2002 Regional Report Surplus Deficit	1533	92.2	551	1240	2746	1737	683	1396	2850	5756	9308	7189	11780	8928	3947
75 2003 Regional Report Surplus Deficit	3009	2533	1881	2138	3342	711	-131	922	5283	5497	5831	6568	10413	2760	3521
76 2004 Regional Report Surplus Deficit	738	116	1086	2458	4523	2734	1306	445	3157	4186	4964	6249	6629	4210	3152
77 2005 Regional Report Surplus Deficit	965	1616	3161	3106	4387	3412	3135	4319	2067	2527	3995	6852	6876	3627	3783

Regional Report Surplus Deficit By Water Year

Operating Year 2024

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
78 2006 Regional Report Surplus Deficit	2010	766	1540	2193	4385	2698	6421	7331	6295	10880	11404	10883	11719	5284	5917
79 2007 Regional Report Surplus Deficit	2063	666	1092	2312	5315	3187	4901	4483	8201	9275	6120	8017	7126	6009	4972
80 2008 Regional Report Surplus Deficit	2055	447	1158	2813	3439	1321	1264	1908	3174	4945	1678	9175	13660	7757	4183
Ranked Averages															
81 Bottom 10 pct	2267	1145	1755	2290	3099	594	-659	565	1520	2740	2912	3868	2713	2292	1879
82 Middle 80 pct	3624	2586	2740	2989	4711	3175	4083	5130	5688	7281	7374	8526	9793	6709	5322
83 Top 10 pct	5133	4068	3367	3983	6827	7522	10307	11624	11905	11795	11547	11190	11962	10526	8777

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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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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Regional Report Surplus Deficit	3290	2703	2009	2470	3317	559	-572	428	911	1873	3562	3240	3921	655	1887
2 1930 Regional Report Surplus Deficit	1478	783	1572	1931	2757	177	-1772	1220	1235	2409	3497	2433	1053	2620	1437
3 1931 Regional Report Surplus Deficit	1477	657	1422	1996	3131	231	-1364	-1010	2198	2111	-70.8	2807	379	2323	1197
4 1932 Regional Report Surplus Deficit	1736	469	1346	1583	2539	373	-769	-1481	4129	8889	9546	9713	9912	5672	3628
5 1933 Regional Report Surplus Deficit	3312	2159	2475	2160	3848	3560	5081	5559	5824	4580	4549	6624	12160	10768	5440
6 1934 Regional Report Surplus Deficit	6227	4888	3181	4330	8875	9538	10196	9660	10262	11344	9170	7717	6761	3592	7477
7 1935 Regional Report Surplus Deficit	675	645	874	2055	3259	1672	4650	5157	5542	1976	4830	6040	5969	6642	3821
8 1936 Regional Report Surplus Deficit	4510	1809	1318	1875	2779	164	-1863	317	1763	2993	8025	9769	9579	3928	3194
9 1937 Regional Report Surplus Deficit	1366	586	1147	1918	2873	381	-1534	-781	717	1903	-429	3643	3599	2382	1347
10 1938 Regional Report Surplus Deficit	1859	666	1539	2093	3781	2528	3825	4619	6154	7618	10887	9479	7749	6009	4850
11 1939 Regional Report Surplus Deficit	1195	489	2021	2108	2835	599	2113	2179	2772	4770	7325	6195	3151	3446	2857
12 1940 Regional Report Surplus Deficit	1192	561	1352	2181	3487	2446	1027	2110	6700	4963	5241	5608	3467	2138	3044
13 1941 Regional Report Surplus Deficit	543	-64.4	1328	1754	3010	1256	-904	544	1162	350	2460	3616	2589	2387	1534
14 1942 Regional Report Surplus Deficit	1448	376	1767	1955	3680	4512	2918	2778	2101	2511	5374	5093	6531	8097	3694
15 1943 Regional Report Surplus Deficit	2809	2212	2864	2079	3094	2233	5277	5502	6813	12859	11978	8150	12121	10236	6095
16 1944 Regional Report Surplus Deficit	3779	2172	2106	2277	3187	790	152	818	1503	1273	2521	1293	-538	1140	1468
17 1945 Regional Report Surplus Deficit	1366	89.5	1265	1897	2213	-12.7	-443	92.2	1004	1837	93.1	6509	8213	1510	1996
18 1946 Regional Report Surplus Deficit	1305	648	1515	2101	3721	2820	4117	4237	5246	9007	11143	9716	8215	7889	5049
19 1947 Regional Report Surplus Deficit	4423	3958	2815	2239	4907	7406	6829	7606	8103	7325	7349	8725	8275	7019	6281
20 1948 Regional Report Surplus Deficit	2960	2174	2436	7156	7288	4511	6825	5462	5997	5710	9187	10982	12459	8867	6837
21 1949 Regional Report Surplus Deficit	6383	5790	3719	2908	4311	1922	2737	2684	8441	7090	10174	10321	8709	2556	5260
22 1950 Regional Report Surplus Deficit	1254	175	848	2349	3348	2802	6703	8765	8426	10253	9113	8067	12444	12220	6340
23 1951 Regional Report Surplus Deficit	6665	5944	3512	4859	8419	8260	9496	10590	11132	11199	9796	9596	8382	9529	8369
24 1952 Regional Report Surplus Deficit	4946	2228	3084	6380	6089	4963	5919	6300	6733	9398	11965	11252	9048	6544	6709
25 1953 Regional Report Surplus Deficit	3350	1845	1178	2040	2876	468	1567	7411	4476	3652	4450	7381	12306	10107	4676
26 1954 Regional Report Surplus Deficit	3964	2966	2897	2797	4947	4012	5926	8060	7693	6880	7146	8759	10667	12013	6508
27 1955 Regional Report Surplus Deficit	7627	7391	6644	3085	6341	3368	1357	2980	421	2808	3280	5617	12374	11506	5355
28 1956 Regional Report Surplus Deficit	6293	4048	2544	4181	7545	7609	9529	9571	10021	9839	11847	10898	12555	9897	8350
29 1957 Regional Report Surplus Deficit	5112	4914	3138	3570	4244	4343	3894	2593	7029	8874	6408	11549	12439	5303	5912
30 1958 Regional Report Surplus Deficit	2750	1539	1734	2225	3400	1867	4857	5673	5776	5572	7584	10355	10643	4630	4976
31 1959 Regional Report Surplus Deficit	2802	1326	1741	2647	6153	6464	8353	8166	8022	8581	7126	7758	10857	10551	6706
32 1960 Regional Report Surplus Deficit	5932	5213	7638	8792	9158	5818	4999	5038	5681	13043	8753	6098	9032	6941	7133
33 1961 Regional Report Surplus Deficit	4228	1902	1991	2454	4832	2375	4793	6159	8457	6847	4993	8519	10759	5065	5350
34 1962 Regional Report Surplus Deficit	3047	1408	1723	2099	3574	2364	3953	4279	1856	10025	11030	7940	7632	4991	4414
35 1963 Regional Report Surplus Deficit	3684	2151	2021	3644	6436	5700	5255	5915	3918	2996	4256	6674	7367	6392	4981
36 1964 Regional Report Surplus Deficit	2928	1565	3121	2200	4098	2293	2354	2485	2563	7364	4107	7457	12912	11266	4895
37 1965 Regional Report Surplus Deficit	6218	5024	4375	4071	5355	7969	10645	11068	10128	6137	11497	9887	8631	6959	7776
38 1966 Regional Report Surplus Deficit	5723	4614	2523	3094	4386	2748	3328	3531	3206	10351	6004	4734	6971	6657	4540

Regional Report Surplus Deficit By Water Year

Operating Year 2025

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
39 1967 Regional Report Surplus Deficit	3938	1659	2003	2144	3269	4201	7184	7580	7471	5331	1505	7306	12233	9921	5782
40 1968 Regional Report Surplus Deficit	4422	3397	2935	3311	5079	3003	5213	6960	7462	2449	2851	4216	9967	7637	5179
41 1969 Regional Report Surplus Deficit	4695	3692	5443	4707	7394	4963	8619	8851	7561	10365	11188	10960	9905	7003	7510
42 1970 Regional Report Surplus Deficit	2932	1601	2335	2884	4044	1564	4835	4952	4010	3704	3505	7452	10992	3569	4360
43 1971 Regional Report Surplus Deficit	2563	1221	1645	2205	3372	3107	9315	11564	10382	9882	9810	10699	12842	11053	7294
44 1972 Regional Report Surplus Deficit	6477	6068	3505	3460	4830	3667	8566	10800	13914	13400	8575	10379	12609	11237	8335
45 1973 Regional Report Surplus Deficit	7176	6595	3995	3316	4524	3386	3916	2857	1832	1628	2136	3946	1397	2737	3398
46 1974 Regional Report Surplus Deficit	1557	501	1491	2104	4017	5200	11711	12173	12469	11474	11112	10087	12672	12375	8023
47 1975 Regional Report Surplus Deficit	6888	6645	3643	2179	3470	2371	5237	5525	6293	3826	4133	8933	12026	11271	5980
48 1976 Regional Report Surplus Deficit	4463	4062	3958	4939	8006	9641	8814	8862	9098	10774	9276	10731	9761	10513	8215
49 1977 Regional Report Surplus Deficit	8128	8518	7867	3022	3321	524	641	1050	1235	460	1335	880	-934	754	2304
50 1978 Regional Report Surplus Deficit	1305	167	239	1353	2901	3418	3838	4344	4591	9765	7059	8628	6235	6998	4304
51 1979 Regional Report Surplus Deficit	2402	1519	5133	3097	4075	903	505	3720	4783	2545	4518	7727	5103	1569	3495
52 1980 Regional Report Surplus Deficit	1215	399	1925	2139	2956	493	2460	1717	1917	5499	7632	10584	9934	4816	3860
53 1981 Regional Report Surplus Deficit	1659	1130	2250	2073	4301	6326	6927	7634	4215	1309	3804	6851	11434	8833	5384
54 1982 Regional Report Surplus Deficit	5566	4998	2874	2606	4891	3199	5788	11809	12064	9575	7842	9942	11465	11978	7520
55 1983 Regional Report Surplus Deficit	5743	5819	4931	4352	5166	4414	7515	8448	10724	7638	6512	8346	9491	10227	7201
56 1984 Regional Report Surplus Deficit	5821	5080	3649	3044	8419	4721	6755	7060	7243	9901	9637	8259	11214	8737	7012
57 1985 Regional Report Surplus Deficit	4990	2567	3738	3153	5512	2661	3014	3042	3391	6612	7943	7750	4938	2818	4251
58 1986 Regional Report Surplus Deficit	273	-167	1959	3745	6226	2867	5278	7295	12256	11228	10209	6761	8438	4529	5820
59 1987 Regional Report Surplus Deficit	2514	752	1637	2185	4789	2826	1141	2538	4458	1858	4217	6899	4500	1425	3087
60 1988 Regional Report Surplus Deficit	768	-167	1252	2267	2203	-369	-471	-1081	1713	1644	3713	3884	2557	3422	1543
61 1989 Regional Report Surplus Deficit	1506	561	1258	1973	3802	1635	421	-981	3848	5549	10895	7027	5424	3614	3121
62 1990 Regional Report Surplus Deficit	1458	914	1495	2047	4881	4092	4389	7142	6850	5396	9403	6286	9545	6583	5133
63 1991 Regional Report Surplus Deficit	4607	3369	1874	2188	8454	4871	6405	6996	7271	7802	5713	7253	8896	10298	6261
64 1992 Regional Report Surplus Deficit	6154	4067	2002	1789	3272	319	1020	2876	3652	1233	1900	3188	762	1580	2257
65 1993 Regional Report Surplus Deficit	739	-238	737	2247	2792	225	-1450	-1398	3201	3866	4400	7556	6466	3837	2400
66 1994 Regional Report Surplus Deficit	2576	1419	1932	2013	3220	987	-1012	184	2539	1371	4145	4268	4450	2520	2159
67 1995 Regional Report Surplus Deficit	1439	242	1436	1856	2634	1523	2548	4121	4512	6818	4124	7199	10205	5640	3986
68 1996 Regional Report Surplus Deficit	2459	1209	2597	4131	9941	11254	11044	12481	13294	10867	12006	10126	9782	10173	8983
69 1997 Regional Report Surplus Deficit	5260	4060	2990	2643	5018	5042	11511	12591	13120	11478	11931	10784	12343	11306	8615
70 1998 Regional Report Surplus Deficit	5736	6186	5389	7882	7129	3134	3656	5259	4457	5005	6103	10451	11546	6116	6377
71 1999 Regional Report Surplus Deficit	4499	2896	2065	2198	3554	4948	8655	9085	10224	7485	9253	8302	11887	11399	7018
72 2000 Regional Report Surplus Deficit	7959	6498	3715	2723	8816	5928	4914	5207	5678	9361	10715	8270	4680	5559	6060
73 2001 Regional Report Surplus Deficit	3761	866	1240	2224	2828	188	-240	414	796	1264	1804	2622	-1451	1247	1146
74 2002 Regional Report Surplus Deficit	1324	-111	305	1055	2560	1545	504	900	2609	4610	8518	6263	10640	8665	3521
75 2003 Regional Report Surplus Deficit	2799	2330	1635	1954	3156	519	-310	427	5040	4359	5050	5638	9290	2491	3096
76 2004 Regional Report Surplus Deficit	529	-87.7	840	2273	4337	2542	1126	-50.7	2917	3049	4182	5322	5433	3940	2722
77 2005 Regional Report Surplus Deficit	755	1413	2916	2921	4201	3220	2955	3824	1826	1391	3215	5929	5678	3357	3344

Regional Report Surplus Deficit By Water Year

Operating Year 2025

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
78 2006 Regional Report Surplus Deficit	1801	563	1294	2008	4199	2506	6242	6835	6052	9691	10572	9985	10561	5012	5476
79 2007 Regional Report Surplus Deficit	1853	463	846	2127	5130	2995	4722	3987	7956	8139	5340	7091	5927	5739	4536
80 2008 Regional Report Surplus Deficit	1845	244	913	2628	3253	1129	1084	1412	2932	3810	898	8276	12580	7486	3764
Ranked Averages															
81 Bottom 10 pct	2058	942	1510	2105	2913	402	-838	69.2	1279	1603	2132	2943	1514	2022	1445
82 Middle 80 pct	3415	2383	2494	2805	4525	2983	3904	4634	5446	6135	6584	7613	8654	6442	4890
83 Top 10 pct	4924	3865	3122	3799	6641	7330	10165	11017	11647	10646	10755	10311	10842	10249	8333

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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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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Regional Report Surplus Deficit	3009	2667	1911	2343	3156	-175	-1415	-413	141	1321	2648	3102	4142	-123	1458
2 1930 Regional Report Surplus Deficit	1198	747	1474	1805	2596	-557	-2615	379	465	1858	2584	2294	1276	1841	1008
3 1931 Regional Report Surplus Deficit	1196	621	1323	1870	2970	-502	-2208	-1851	1427	1559	-985	2669	602	1544	768
4 1932 Regional Report Surplus Deficit	1455	433	1248	1456	2378	-360	-1612	-2322	3362	8369	8665	9572	10064	4893	3196
5 1933 Regional Report Surplus Deficit	3032	2123	2377	2034	3688	2827	4238	4717	5056	4032	3639	6488	12175	9992	4996
6 1934 Regional Report Surplus Deficit	5946	4852	3083	4204	8714	8804	9353	8819	9497	10807	8270	7560	6977	2813	7047
7 1935 Regional Report Surplus Deficit	394	609	776	1928	3099	938	3807	4315	4774	1427	3917	5906	6193	5863	3393
8 1936 Regional Report Surplus Deficit	4230	1773	1219	1749	2619	-569	-2706	-525	993	2441	7112	9581	9731	3149	2755
9 1937 Regional Report Surplus Deficit	1085	550	1049	1792	2712	-353	-2378	-1622	-53.6	1352	-1343	3510	3822	1603	918
10 1938 Regional Report Surplus Deficit	1578	630	1441	1966	3620	1795	2981	3778	5385	7082	9989	9348	7969	5231	4423
11 1939 Regional Report Surplus Deficit	915	452	1923	1981	2674	-135	1270	1338	2002	4214	6407	6040	3374	2667	2426
12 1940 Regional Report Surplus Deficit	911	525	1254	2055	3326	1713	183	1269	5932	4416	4332	5463	3690	1359	2615
13 1941 Regional Report Surplus Deficit	262	-101	1230	1628	2849	523	-1747	-297	392	-202	1546	3488	2812	1608	1106
14 1942 Regional Report Surplus Deficit	1167	339	1669	1829	3519	3779	2074	1937	1331	1962	4463	4958	6751	7318	3265
15 1943 Regional Report Surplus Deficit	2528	2176	2766	1952	2933	1499	4434	4661	6046	12325	11082	7994	12197	9452	5654
16 1944 Regional Report Surplus Deficit	3498	2136	2007	2150	3026	56.9	-692	-23.1	733	721	1607	1157	-314	361	1039
17 1945 Regional Report Surplus Deficit	1086	53.2	1167	1771	2052	-746	-1287	-749	234	1285	-821	6377	8411	731	1566
18 1946 Regional Report Surplus Deficit	1024	612	1417	1974	3560	2087	3273	3395	4476	8483	10256	9603	8429	7108	4623
19 1947 Regional Report Surplus Deficit	4142	3921	2716	2113	4746	6673	5986	6765	7336	6777	6438	8554	8484	6238	5848
20 1948 Regional Report Surplus Deficit	2679	2138	2338	7029	7127	3778	5982	4621	5229	5149	8264	10797	12443	8086	6384
21 1949 Regional Report Surplus Deficit	6102	5754	3621	2782	4151	1188	1893	1843	7674	6561	9282	10155	8902	1777	4828
22 1950 Regional Report Surplus Deficit	973	139	750	2223	3187	2069	5860	7924	7659	9718	8217	7915	12503	11438	5898
23 1951 Regional Report Surplus Deficit	6384	5907	3414	4733	8258	7527	8487	10186	10627	10666	8900	9415	8595	8769	7981
24 1952 Regional Report Surplus Deficit	4665	2192	2985	6253	5928	4229	5075	5459	5964	8865	11069	11003	9228	5765	6269
25 1953 Regional Report Surplus Deficit	3069	1808	1079	1913	2715	-265	724	6569	3707	3100	3535	7241	12329	9317	4230
26 1954 Regional Report Surplus Deficit	3683	2930	2799	2671	4786	3278	5082	7218	6926	6332	6235	8617	10849	11223	6075
27 1955 Regional Report Surplus Deficit	7347	7354	6545	2959	6181	2634	514	2139	-349	2256	2365	5473	12417	10694	4908
28 1956 Regional Report Surplus Deficit	6012	4012	2445	4055	7384	6875	8686	8729	9248	9287	10932	10725	12618	9136	7907
29 1957 Regional Report Surplus Deficit	4831	4878	3039	3444	4083	3609	3051	1752	6263	8336	5508	11357	12495	4524	5467
30 1958 Regional Report Surplus Deficit	2469	1503	1636	2098	3239	1134	4014	4831	5008	5036	6686	10192	10857	3851	4546
31 1959 Regional Report Surplus Deficit	2521	1290	1643	2521	5992	5730	7509	7325	7255	8034	6218	7616	11014	9759	6271
32 1960 Regional Report Surplus Deficit	5651	5176	7540	8665	8997	5084	4155	4197	4912	12550	7896	5957	9205	6162	6705
33 1961 Regional Report Surplus Deficit	3947	1866	1892	2327	4671	1642	3949	5318	7688	6311	4095	8358	10933	4284	4917
34 1962 Regional Report Surplus Deficit	2766	1372	1625	1973	3413	1631	3109	3438	1086	9509	10151	7805	7840	4212	3987
35 1963 Regional Report Surplus Deficit	3403	2115	1923	3517	6275	4967	4411	5074	3148	2445	3344	6537	7580	5611	4551
36 1964 Regional Report Surplus Deficit	2648	1528	3023	2073	3938	1560	1511	1644	1792	6820	3202	7318	12816	10481	4440
37 1965 Regional Report Surplus Deficit	5937	4988	4277	3945	5194	7236	9675	10682	9348	5588	10586	9737	8846	6179	7369
38 1966 Regional Report Surplus Deficit	5443	4578	2425	2967	4225	2015	2485	2690	2436	9827	5118	4591	7188	5877	4113

Regional Report Surplus Deficit By Water Year

Operating Year 2026

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
39 1967 Regional Report Surplus Deficit	3657	1623	1904	2017	3109	3467	6340	6739	6705	4779	591	7139	12216	9129	5330
40 1968 Regional Report Surplus Deficit	4142	3361	2837	3185	4918	2269	4369	6118	6695	1903	1936	4081	10167	6861	4750
41 1969 Regional Report Surplus Deficit	4414	3656	5345	4580	7233	4230	7776	8010	6801	9888	10349	10796	10080	6224	7082
42 1970 Regional Report Surplus Deficit	2651	1565	2237	2758	3883	830	3991	4111	3241	3153	2592	7302	11144	2790	3924
43 1971 Regional Report Surplus Deficit	2282	1185	1547	2078	3212	2374	8471	10723	9604	9317	8882	10518	12781	10281	6837
44 1972 Regional Report Surplus Deficit	6196	6032	3407	3334	4669	2934	7723	9959	13074	12854	7666	10114	12650	10450	7874
45 1973 Regional Report Surplus Deficit	6895	6558	3897	3190	4364	2653	3072	2016	1062	1076	1221	3806	1620	1958	2969
46 1974 Regional Report Surplus Deficit	1277	464	1392	1978	3856	4467	10867	11331	11706	10970	10245	9945	12773	11615	7590
47 1975 Regional Report Surplus Deficit	6607	6608	3545	2052	3309	1638	4394	4684	5522	3275	3220	8774	12163	10447	5538
48 1976 Regional Report Surplus Deficit	4182	4026	3860	4812	7845	8908	7971	8020	8336	10273	8412	10550	9931	9748	7784
49 1977 Regional Report Surplus Deficit	7847	8482	7769	2896	3160	-209	-202	209	465	-91.8	421	743	-711	-25.3	1875
50 1978 Regional Report Surplus Deficit	1024	130	141	1227	2741	2684	2995	3503	3820	9226	6158	8486	6451	6221	3876
51 1979 Regional Report Surplus Deficit	2121	1483	5034	2970	3914	169	-338	2878	4014	1993	3604	7620	5328	790	3069
52 1980 Regional Report Surplus Deficit	934	363	1826	2013	2796	-241	1617	875	1147	4957	6728	10345	10084	4037	3417
53 1981 Regional Report Surplus Deficit	1379	1094	2152	1947	4141	5593	6084	6792	3445	759	2892	6701	11545	8055	4945
54 1982 Regional Report Surplus Deficit	5285	4961	2776	2479	4730	2466	4945	10967	11278	9005	6910	9758	11635	11195	7080
55 1983 Regional Report Surplus Deficit	5462	5783	4833	4226	5006	3681	6672	7607	9967	7093	5605	8221	9673	9438	6771
56 1984 Regional Report Surplus Deficit	5540	5044	3550	2918	8258	3987	5912	6219	6475	9385	8759	8113	11391	7964	6582
57 1985 Regional Report Surplus Deficit	4709	2531	3640	3026	5351	1927	2170	2201	2621	6077	7045	7630	5160	2040	3825
58 1986 Regional Report Surplus Deficit	-8.22	-203	1861	3619	6065	2133	4434	6453	11475	10683	9301	6623	8633	3750	5388
59 1987 Regional Report Surplus Deficit	2233	716	1539	2058	4628	2092	298	1697	3688	1308	3305	6760	4722	647	2658
60 1988 Regional Report Surplus Deficit	487	-203	1154	2140	2042	-1102	-1314	-1922	943	1093	2800	3744	2780	2644	1114
61 1989 Regional Report Surplus Deficit	1225	525	1160	1847	3641	902	-422	-1823	3079	4999	9983	6884	5647	2835	2693
62 1990 Regional Report Surplus Deficit	1178	878	1396	1920	4720	3359	3545	6300	6084	4871	8516	6156	9764	5803	4707
63 1991 Regional Report Surplus Deficit	4326	3333	1776	2061	8294	4137	5561	6155	6502	7269	4817	7100	9079	9548	5832
64 1992 Regional Report Surplus Deficit	5873	4031	1903	1663	3111	-415	176	2035	2882	681	986	3050	985	801	1829
65 1993 Regional Report Surplus Deficit	458	-274	639	2121	2631	-508	-2294	-2240	2432	3315	3487	7435	6685	3058	1973
66 1994 Regional Report Surplus Deficit	2295	1382	1833	1887	3059	254	-1855	-658	1769	819	3231	4132	4674	1740	1731
67 1995 Regional Report Surplus Deficit	1158	206	1337	1729	2473	789	1704	3279	3742	6269	3213	7067	10394	4861	3555
68 1996 Regional Report Surplus Deficit	2178	1173	2499	4005	9780	10520	10201	11639	12479	10282	11057	9929	9961	9397	8540
69 1997 Regional Report Surplus Deficit	4979	4024	2892	2516	4858	4309	10668	11749	12334	10936	11026	10606	12515	10530	8178
70 1998 Regional Report Surplus Deficit	5455	6150	5291	7755	6968	2400	2812	4418	3688	4455	5191	10298	11594	5337	5932
71 1999 Regional Report Surplus Deficit	4218	2860	1967	2072	3393	4214	7812	8243	9450	6958	8363	8186	12083	10623	6591
72 2000 Regional Report Surplus Deficit	7678	6462	3617	2597	8655	5194	4070	4365	4909	8824	9815	8111	4902	4780	5631
73 2001 Regional Report Surplus Deficit	3480	830	1141	2097	2667	-545	-1084	-427	25.4	712	890	2481	-1228	468	717
74 2002 Regional Report Surplus Deficit	1043	-148	206	928	2399	812	-340	58.8	1839	4068	7614	6127	10803	7879	3088
75 2003 Regional Report Surplus Deficit	2519	2293	1537	1827	2996	-215	-1153	-415	4272	3809	4137	5506	9436	1712	2662
76 2004 Regional Report Surplus Deficit	248	-124	742	2147	4177	1809	283	-892	2147	2498	3270	5187	5652	3161	2294
77 2005 Regional Report Surplus Deficit	474	1377	2817	2794	4041	2487	2112	2982	1056	839	2301	5790	5900	2578	2915

Regional Report Surplus Deficit By Water Year

Operating Year 2026

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
78 2006 Regional Report Surplus Deficit	1520	526	1196	1881	4039	1772	5398	5994	5284	9192	9710	9821	10743	4236	5047
79 2007 Regional Report Surplus Deficit	1573	426	747	2001	4969	2261	3879	3146	7190	7587	4426	6955	6150	4960	4107
80 2008 Regional Report Surplus Deficit	1564	208	814	2502	3092	396	241	571	2163	3257	-16.5	8113	12684	6709	3323
Ranked Averages															
81 Bottom 10 pct	1777	906	1411	1978	2752	-332	-1682	-772	509	1052	1218	2806	1737	1243	1016
82 Middle 80 pct	3134	2346	2396	2678	4364	2250	3060	3793	4677	5593	5680	7464	8817	5661	4457
83 Top 10 pct	4643	3828	3023	3672	6481	6597	9285	10287	10894	10107	9853	10128	10986	9478	7903

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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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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Regional Report Surplus Deficit	2159	1817	1072	1506	2261	-321	-1529	-581	-26.5	1977	3310	2902	2956	-321	1046
2 1930 Regional Report Surplus Deficit	347	-103	635	968	1701	-703	-2729	210	297	2513	3245	2094	88.5	1644	595
3 1931 Regional Report Surplus Deficit	345	-229	484	1033	2075	-649	-2322	-2019	1261	2215	-323	2469	-585	1347	356
4 1932 Regional Report Surplus Deficit	605	-417	409	619	1483	-507	-1726	-2490	3192	8993	9294	9375	8948	4696	2787
5 1933 Regional Report Surplus Deficit	2181	1274	1537	1197	2792	2680	4124	4549	4887	4684	4296	6286	11196	9791	4599
6 1934 Regional Report Surplus Deficit	5095	4002	2244	3367	7819	8657	9239	8651	9324	11448	8918	7379	5797	2615	6635
7 1935 Regional Report Surplus Deficit	-457	-241	-63.8	1091	2203	791	3693	4147	4605	2081	4577	5701	5005	5665	2979
8 1936 Regional Report Surplus Deficit	3379	923	380	912	1723	-716	-2820	-693	825	3097	7773	9431	8615	2951	2353
9 1937 Regional Report Surplus Deficit	235	-300	209	955	1817	-500	-2491	-1790	-221	2008	-681	3305	2634	1406	505
10 1938 Regional Report Surplus Deficit	727	-220	601	1129	2725	1648	2868	3610	5216	7722	10635	9141	6784	5032	4008
11 1939 Regional Report Surplus Deficit	63.9	-397	1084	1144	1779	-282	1156	1170	1834	4874	7073	5857	2187	2469	2015
12 1940 Regional Report Surplus Deficit	60.6	-325	414	1218	2431	1566	70.0	1101	5762	5067	4989	5270	2502	1161	2203
13 1941 Regional Report Surplus Deficit	-588	-950	390	791	1954	376	-1861	-465	225	454	2208	3278	1624	1410	693
14 1942 Regional Report Surplus Deficit	316	-510	829	992	2624	3632	1961	1769	1164	2615	5121	4754	5567	7120	2852
15 1943 Regional Report Surplus Deficit	1677	1326	1926	1115	2037	1353	4320	4492	5875	12963	11726	7811	11157	9260	5254
16 1944 Regional Report Surplus Deficit	2648	1286	1168	1314	2131	-89.8	-805	-191	565	1377	2269	955	-1502	164	627
17 1945 Regional Report Surplus Deficit	235	-796	328	934	1157	-893	-1400	-917	66.4	1941	-159	6170	7249	533	1155
18 1946 Regional Report Surplus Deficit	173	-238	577	1137	2665	1940	3160	3227	4308	9111	10891	9377	7251	6912	4208
19 1947 Regional Report Surplus Deficit	3291	3072	1877	1276	3851	6526	5872	6597	7165	7429	7097	8387	7310	6043	5440
20 1948 Regional Report Surplus Deficit	1829	1288	1498	6192	6232	3631	5868	4452	5060	5814	8935	10643	11494	7890	5996
21 1949 Regional Report Surplus Deficit	5251	4904	2781	1945	3255	1041	1780	1675	7503	7194	9922	9982	7744	1579	4419
22 1950 Regional Report Surplus Deficit	122	-711	-89.8	1386	2292	1922	5746	7756	7489	10357	8860	7728	11480	11244	5499
23 1951 Regional Report Surplus Deficit	5533	5058	2575	3896	7363	7380	8539	9580	10194	11303	9543	9257	7417	8553	7528
24 1952 Regional Report Surplus Deficit	3815	1343	2146	5416	5033	4082	4962	5291	5795	9502	11713	10913	8083	5567	5868
25 1953 Regional Report Surplus Deficit	2219	959	240	1076	1820	-412	610	6401	3538	3756	4198	7042	11342	9131	3835
26 1954 Regional Report Surplus Deficit	2833	2080	1960	1834	3891	3131	4969	7050	6755	6984	6893	8420	9702	11036	5667
27 1955 Regional Report Surplus Deficit	6496	6505	5706	2122	5285	2488	400	1971	-517	2912	3028	5278	11410	10530	4513
28 1956 Regional Report Surplus Deficit	5161	3163	1606	3218	6489	6728	8572	8561	9083	9943	11594	10559	11590	8920	7509
29 1957 Regional Report Surplus Deficit	3980	4028	2200	2607	3188	3462	2937	1584	6092	8978	6155	11210	11474	4326	5071
30 1958 Regional Report Surplus Deficit	1618	653	797	1261	2344	987	3900	4663	4839	5676	7332	10016	9678	3653	4135
31 1959 Regional Report Surplus Deficit	1671	440	804	1684	5097	5584	7396	7156	7084	8685	6874	7420	9893	9574	5865
32 1960 Regional Report Surplus Deficit	4800	4327	6700	7828	8102	4937	4042	4029	4743	13147	8500	5760	8068	5964	6292
33 1961 Regional Report Surplus Deficit	3096	1016	1053	1490	3776	1495	3836	5149	7519	6952	4740	8181	9795	4088	4509
34 1962 Regional Report Surplus Deficit	1915	522	785	1136	2518	1484	2996	3270	919	10129	10778	7602	6668	4015	3573
35 1963 Regional Report Surplus Deficit	2553	1265	1084	2680	5380	4820	4298	4906	2980	3100	4004	6336	6403	5415	4140
36 1964 Regional Report Surplus Deficit	1797	679	2184	1237	3042	1413	1397	1476	1625	7468	3855	7119	11947	10289	4054
37 1965 Regional Report Surplus Deficit	5086	4138	3438	3108	4299	7089	9688	10058	9190	6241	11245	9548	7666	5982	6934
38 1966 Regional Report Surplus Deficit	4592	3728	1585	2130	3330	1868	2371	2522	2269	10455	5752	4395	6007	5680	3699

Regional Report Surplus Deficit By Water Year

Operating Year 2027

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
39 1967 Regional Report Surplus Deficit	2806	773	1065	1181	2213	3320	6227	6571	6533	5435	1253	6968	11268	8945	4941
40 1968 Regional Report Surplus Deficit	3291	2511	1998	2348	4023	2122	4256	5950	6525	2553	2598	3877	9003	6660	4338
41 1969 Regional Report Surplus Deficit	3564	2806	4506	3743	6338	4083	7662	7842	6623	10469	10935	10621	8941	6027	6669
42 1970 Regional Report Surplus Deficit	1800	715	1398	1921	2988	683	3878	3943	3072	3808	3253	7113	10027	2593	3518
43 1971 Regional Report Surplus Deficit	1431	335	707	1241	2316	2227	8358	10555	9444	9987	9557	10361	11878	10076	6453
44 1972 Regional Report Surplus Deficit	5346	5182	2568	2497	3774	2787	7609	9791	12977	13504	8323	10041	11644	10260	7493
45 1973 Regional Report Surplus Deficit	6044	5709	3058	2353	3468	2506	2959	1848	895	1732	1883	3607	432	1760	2557
46 1974 Regional Report Surplus Deficit	426	-385	553	1141	2960	4320	10754	11163	11531	11578	10859	9749	11708	11398	7182
47 1975 Regional Report Surplus Deficit	5756	5759	2705	1215	2414	1491	4280	4516	5355	3930	3881	8595	11062	10294	5138
48 1976 Regional Report Surplus Deficit	3332	3176	3020	3975	6950	8761	7857	7852	8160	10878	9024	10392	8797	9537	7373
49 1977 Regional Report Surplus Deficit	6996	7632	6930	2059	2265	-356	-316	41.0	297	564	1082	542	-1899	-223	1463
50 1978 Regional Report Surplus Deficit	174	-719	-699	390	1845	2538	2881	3335	3654	9869	6807	8290	5270	6022	3463
51 1979 Regional Report Surplus Deficit	1271	633	4195	2133	3019	22.7	-452	2710	3845	2649	4266	7388	4138	592	2654
52 1980 Regional Report Surplus Deficit	83.5	-487	987	1176	1900	-387	1503	707	979	5603	7380	10245	8969	3839	3019
53 1981 Regional Report Surplus Deficit	528	244	1312	1110	3245	5446	5970	6624	3277	1413	3552	6513	10470	7856	4542
54 1982 Regional Report Surplus Deficit	4434	4112	1936	1642	3834	2319	4831	10799	11126	9679	7589	9603	10500	11002	6679
55 1983 Regional Report Surplus Deficit	4612	4933	3993	3389	4110	3534	6558	7439	9786	7742	6260	8007	8526	9251	6360
56 1984 Regional Report Surplus Deficit	4689	4194	2711	2081	7363	3841	5798	6050	6305	10005	9385	7921	10249	7760	6171
57 1985 Regional Report Surplus Deficit	3858	1681	2801	2189	4456	1780	2057	2032	2453	6716	7690	7411	3974	1841	3410
58 1986 Regional Report Surplus Deficit	-859	-1053	1022	2782	5170	1986	4321	6285	11319	11332	9957	6422	7474	3553	4978
59 1987 Regional Report Surplus Deficit	1382	-134	699	1221	3733	1945	184	1529	3521	1962	3965	6561	3536	449	2246
60 1988 Regional Report Surplus Deficit	-363	-1053	315	1303	1147	-1249	-1428	-2090	776	1748	3461	3546	1593	2446	702
61 1989 Regional Report Surplus Deficit	374	-325	320	1010	2746	755	-536	-1991	2911	5653	10642	6688	4460	2637	2280
62 1990 Regional Report Surplus Deficit	327	28.1	557	1083	3825	3212	3431	6132	5912	5500	9151	5947	8581	5607	4292
63 1991 Regional Report Surplus Deficit	3475	2483	936	1224	7398	3990	5448	5987	6333	7906	5461	6915	7931	9321	5420
64 1992 Regional Report Surplus Deficit	5023	3181	1064	826	2216	-561	62.9	1866	2714	1337	1648	2849	-202	603	1416
65 1993 Regional Report Surplus Deficit	-393	-1124	-200	1284	1736	-655	-2407	-2408	2263	3970	4148	7218	5502	2860	1559
66 1994 Regional Report Surplus Deficit	1444	533	994	1050	2164	107	-1969	-826	1602	1475	3893	3929	3486	1543	1318
67 1995 Regional Report Surplus Deficit	308	-644	498	892	1577	642	1591	3111	3574	6922	3872	6860	9240	4664	3144
68 1996 Regional Report Surplus Deficit	1328	323	1660	3168	8885	10373	10087	11471	12356	10971	11753	9787	8817	9196	8142
69 1997 Regional Report Surplus Deficit	4129	3174	2053	1679	3962	4162	10554	11581	12182	11582	11679	10445	11378	10330	7773
70 1998 Regional Report Surplus Deficit	4604	5300	4452	6919	6073	2254	2699	4250	3519	5109	5851	10112	10581	5139	5535
71 1999 Regional Report Surplus Deficit	3367	2010	1127	1235	2498	4068	7698	8075	9286	7589	9000	7963	10923	10422	6177
72 2000 Regional Report Surplus Deficit	6827	5612	2777	1760	7760	5047	3957	4197	4740	9465	10463	7931	3715	4582	5219
73 2001 Regional Report Surplus Deficit	2629	-20.1	302	1261	1772	-692	-1197	-595	-142	1368	1552	2283	-2415	271	305
74 2002 Regional Report Surplus Deficit	192	-997	-633	91.3	1504	665	-453	-109	1672	4714	8266	5924	9676	7688	2680
75 2003 Regional Report Surplus Deficit	1668	1444	697	990	2100	-361	-1267	-583	4102	4463	4797	5299	8325	1514	2255
76 2004 Regional Report Surplus Deficit	-602	-974	-97.3	1310	3281	1662	169	-1060	1979	3153	3930	4983	4468	2963	1881
77 2005 Regional Report Surplus Deficit	-376	527	1978	1958	3145	2340	1998	2814	889	1495	2963	5591	4713	2381	2503

Regional Report Surplus Deficit By Water Year

Operating Year 2027

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
78 2006 Regional Report Surplus Deficit	670	-323	356	1044	3143	1626	5285	5825	5114	9796	10320	9646	9597	4036	4635
79 2007 Regional Report Surplus Deficit	722	-423	-92.0	1164	4073	2115	3765	2978	7018	8243	5088	6753	4963	4763	3695
80 2008 Regional Report Surplus Deficit	714	-642	-25.1	1665	2197	249	127	403	1994	3914	646	7937	11616	6510	2922
Ranked Averages															
81 Bottom 10 pct	926	56.1	572	1141	1857	-478	-1795	-940	342	1707	1880	2604	549	1046	604
82 Middle 80 pct	2283	1497	1556	1841	3469	2103	2947	3625	4509	6239	6331	7275	7690	5465	4049
83 Top 10 pct	3793	2979	2184	2835	5585	6450	9208	10007	10709	10750	10503	9972	9877	9272	7492

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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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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1 1929 Regional Report Surplus Deficit	2295	1430	894	1415	2158	-430	-1642	-402	148	457	2368	3217	3866	-356	1007
2 1930 Regional Report Surplus Deficit	483	-490	457	877	1599	-812	-2842	390	472	993	2304	2409	1000	1609	560
3 1931 Regional Report Surplus Deficit	482	-616	306	941	1972	-757	-2435	-1840	1434	694	-1264	2784	326	1312	315
4 1932 Regional Report Surplus Deficit	741	-804	231	528	1380	-615	-1839	-2311	3369	7504	8385	9687	9788	4661	2735
5 1933 Regional Report Surplus Deficit	2317	887	1360	1105	2690	2572	4011	4728	5063	3167	3360	6603	11898	9760	4549
6 1934 Regional Report Surplus Deficit	5232	3615	2066	3275	7717	8549	9126	8830	9504	9942	7991	7676	6700	2581	6606
7 1935 Regional Report Surplus Deficit	-320	-627	-241	1000	2101	683	3580	4326	4782	562	3638	6021	5916	5630	2949
8 1936 Regional Report Surplus Deficit	3515	536	202	821	1621	-824	-2933	-514	1000	1576	6832	9697	9455	2917	2300
9 1937 Regional Report Surplus Deficit	371	-687	31.8	864	1714	-608	-2605	-1611	-46.4	487	-1622	3625	3545	1371	465
10 1938 Regional Report Surplus Deficit	864	-607	424	1038	2622	1540	2755	3789	5392	6217	9709	9464	7693	4999	3975
11 1939 Regional Report Surplus Deficit	200	-784	906	1053	1676	-390	1043	1349	2009	3350	6127	6156	3098	2435	1977
12 1940 Regional Report Surplus Deficit	197	-712	237	1126	2328	1458	-43.3	1280	5939	3551	4052	5578	3413	1126	2166
13 1941 Regional Report Surplus Deficit	-452	-1337	213	700	1851	268	-1974	-286	399	-1066	1266	3603	2535	1376	656
14 1942 Regional Report Surplus Deficit	453	-897	652	900	2521	3524	1848	1948	1338	1098	4184	5073	6474	7085	2815
15 1943 Regional Report Surplus Deficit	1814	939	1749	1024	1935	1244	4207	4672	6053	11460	10803	8109	11921	9220	5205
16 1944 Regional Report Surplus Deficit	2784	900	990	1222	2028	-198	-918	-12.2	740	-144	1327	1273	-591	129	590
17 1945 Regional Report Surplus Deficit	371	-1183	150	843	1054	-1001	-1513	-738	241	421	-1101	6492	8135	499	1114
18 1946 Regional Report Surplus Deficit	310	-625	400	1046	2562	1832	3046	3406	4483	7618	9976	9718	8152	6876	4174
19 1947 Regional Report Surplus Deficit	3428	2685	1699	1185	3748	6418	5759	6776	7343	5912	6159	8669	8207	6006	5405
20 1948 Regional Report Surplus Deficit	1965	901	1321	6101	6129	3523	5755	4632	5237	4285	7984	10912	12166	7854	5933
21 1949 Regional Report Surplus Deficit	5388	4517	2604	1854	3153	933	1666	1854	7681	5696	9003	10270	8625	1544	4374
22 1950 Regional Report Surplus Deficit	259	-1098	-267	1295	2189	1814	5633	7935	7667	8854	7937	8031	12226	11206	5458
23 1951 Regional Report Surplus Deficit	5670	4671	2397	3804	7260	7272	8260	10197	10634	9801	8620	9531	8319	8536	7541
24 1952 Regional Report Surplus Deficit	3951	956	1968	5325	4930	3974	4848	5470	5971	8000	10790	11119	8952	5533	5821
25 1953 Regional Report Surplus Deficit	2355	572	62.2	985	1717	-520	497	6580	3714	2235	3256	7356	12052	9084	3790
26 1954 Regional Report Surplus Deficit	2969	1693	1782	1743	3788	3023	4855	7229	6933	5467	5956	8732	10573	10991	5632
27 1955 Regional Report Surplus Deficit	6632	6118	5528	2031	5183	2379	287	2150	-342	1391	2085	5588	12141	10462	4454
28 1956 Regional Report Surplus Deficit	5298	2776	1428	3127	6386	6620	8459	8740	9255	8423	10653	10841	12341	8904	7463
29 1957 Regional Report Surplus Deficit	4117	3641	2022	2515	3085	3354	2824	1763	6271	7471	5228	11472	12219	4291	5010
30 1958 Regional Report Surplus Deficit	1755	266	619	1170	2241	879	3787	4842	5016	4172	6407	10308	10581	3619	4101
31 1959 Regional Report Surplus Deficit	1807	53.3	626	1592	4994	5475	7283	7336	7262	7169	5938	7731	10737	9527	5828
32 1960 Regional Report Surplus Deficit	4937	3940	6523	7737	7999	4829	3928	4208	4919	11685	7617	6072	8929	5929	6252
33 1961 Regional Report Surplus Deficit	3233	630	876	1399	3673	1387	3723	5329	7695	5446	3815	8474	10657	4052	4472
34 1962 Regional Report Surplus Deficit	2052	135	608	1045	2415	1376	2883	3449	1094	8645	9872	7921	7564	3980	3540
35 1963 Regional Report Surplus Deficit	2689	878	906	2589	5277	4712	4185	5085	3155	1580	3064	6652	7304	5379	4107
36 1964 Regional Report Surplus Deficit	1933	292	2006	1145	2940	1304	1284	1655	1800	5955	2922	7433	12539	10249	3987
37 1965 Regional Report Surplus Deficit	5223	3751	3260	3017	4197	6981	9448	10693	9355	4724	10306	9852	8569	5947	6932
38 1966 Regional Report Surplus Deficit	4728	3341	1408	2039	3228	1760	2258	2701	2444	8962	4838	4707	6911	5645	3663

Regional Report Surplus Deficit By Water Year

Operating Year 2028

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
39 1967 Regional Report Surplus Deficit	2943	387	888	1089	2111	3212	6113	6750	6712	3915	311	7254	11939	8896	4888
40 1968 Regional Report Surplus Deficit	3427	2124	1820	2256	3920	2014	4143	6129	6703	1038	1657	4196	9891	6628	4307
41 1969 Regional Report Surplus Deficit	3700	2419	4328	3652	6236	3974	7549	8021	6809	9023	10069	10912	9804	5992	6639
42 1970 Regional Report Surplus Deficit	1937	328	1220	1829	2885	575	3764	4122	3248	2289	2312	7418	10868	2558	3479
43 1971 Regional Report Surplus Deficit	1568	-52.0	530	1150	2214	2119	8245	10734	9611	8452	8602	10633	12505	10049	6401
44 1972 Regional Report Surplus Deficit	5482	4795	2390	2406	3671	2679	7496	9970	13081	11989	7387	10229	12373	10217	7434
45 1973 Regional Report Surplus Deficit	6181	5322	2880	2262	3366	2398	2845	2027	1069	211	942	3922	1343	1726	2521
46 1974 Regional Report Surplus Deficit	562	-772	375	1050	2858	4212	10640	11342	11713	10105	9965	10060	12497	11383	7154
47 1975 Regional Report Surplus Deficit	5893	5372	2528	1124	2311	1383	4167	4695	5529	2410	2941	8890	11887	10215	5090
48 1976 Regional Report Surplus Deficit	3468	2789	2843	3884	6848	8652	7744	8031	8343	9408	8133	10665	9655	9516	7338
49 1977 Regional Report Surplus Deficit	7133	7246	6752	1967	2162	-464	-429	220	472	-957	141	858	-987	-258	1425
50 1978 Regional Report Surplus Deficit	310	-1106	-876	298	1743	2429	2768	3514	3828	8361	5879	8601	6175	5989	3429
51 1979 Regional Report Surplus Deficit	1407	246	4018	2042	2916	-85.7	-565	2889	4021	1129	3325	7736	5051	557	2623
52 1980 Regional Report Surplus Deficit	220	-874	810	1084	1798	-496	1390	886	1154	4092	6449	10461	9807	3805	2964
53 1981 Regional Report Surplus Deficit	664	-142	1135	1019	3143	5338	5857	6803	3452	-106	2612	6817	11269	7822	4504
54 1982 Regional Report Surplus Deficit	4571	3725	1759	1551	3732	2211	4718	10978	11285	8140	6630	9873	11358	10963	6644
55 1983 Regional Report Surplus Deficit	4748	4547	3816	3298	4008	3426	6445	7618	9974	6228	5325	8336	9397	9206	6327
56 1984 Regional Report Surplus Deficit	4826	3808	2533	1989	7260	3732	5685	6230	6482	8521	8479	8229	11114	7732	6135
57 1985 Regional Report Surplus Deficit	3995	1294	2623	2098	4353	1672	1944	2211	2628	5212	6765	7745	4883	1807	3374
58 1986 Regional Report Surplus Deficit	-722	-1440	844	2690	5067	1878	4207	6464	11482	9818	9022	6739	8356	3518	4945
59 1987 Regional Report Surplus Deficit	1518	-521	522	1130	3630	1837	71.1	1708	3696	443	3025	6875	4446	414	2209
60 1988 Regional Report Surplus Deficit	-227	-1440	137	1212	1044	-1357	-1541	-1911	951	228	2520	3859	2504	2412	660
61 1989 Regional Report Surplus Deficit	511	-712	143	918	2643	647	-649	-1812	3086	4134	9704	7000	5370	2602	2234
62 1990 Regional Report Surplus Deficit	463	-359	379	992	3722	3104	3318	6311	6091	4006	8236	6272	9487	5571	4266
63 1991 Regional Report Surplus Deficit	3612	2096	759	1133	7296	3882	5334	6166	6509	6404	4538	7216	8802	9315	5386
64 1992 Regional Report Surplus Deficit	5159	2794	886	734	2114	-670	-50.4	2045	2889	-184	707	3165	709	568	1383
65 1993 Regional Report Surplus Deficit	-256	-1511	-378	1193	1633	-764	-2520	-2229	2439	2450	3207	7551	6408	2826	1515
66 1994 Regional Report Surplus Deficit	1581	146	816	958	2061	-1.16	-2082	-647	1777	-46.0	2951	4247	4398	1508	1278
67 1995 Regional Report Surplus Deficit	444	-1031	320	801	1475	534	1478	3290	3749	5404	2934	7183	10118	4629	3108
68 1996 Regional Report Surplus Deficit	1464	-63.8	1482	3076	8783	10265	9974	11650	12486	9417	10778	10044	9684	9165	8102
69 1997 Regional Report Surplus Deficit	4265	2787	1875	1588	3860	4054	10441	11760	12341	10071	10747	10721	12238	10297	7742
70 1998 Regional Report Surplus Deficit	4741	4913	4274	6827	5970	2145	2586	4429	3695	3590	4911	10414	11317	5104	5482
71 1999 Regional Report Surplus Deficit	3504	1623	950	1144	2395	3959	7585	8254	9457	6093	8083	8302	11807	10391	6150
72 2000 Regional Report Surplus Deficit	6964	5225	2600	1668	7657	4939	3844	4376	4916	7959	9536	8226	4626	4548	5181
73 2001 Regional Report Surplus Deficit	2766	-407	124	1169	1670	-801	-1311	-416	32.7	-153	610	2597	-1504	236	268
74 2002 Regional Report Surplus Deficit	329	-1384	-811	-0.11	1402	556	-566	69.8	1847	3204	7335	6243	10527	7647	2634
75 2003 Regional Report Surplus Deficit	1804	1057	520	899	1998	-470	-1380	-404	4279	2944	3858	5622	9160	1479	2207
76 2004 Regional Report Surplus Deficit	-466	-1361	-275	1218	3179	1554	56.2	-881	2154	1634	2991	5302	5376	2929	1839
77 2005 Regional Report Surplus Deficit	-240	140	1800	1866	3043	2232	1885	2993	1063	-25.5	2022	5905	5624	2346	2469

Regional Report Surplus Deficit By Water Year

Operating Year 2028

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

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Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
78 2006 Regional Report Surplus Deficit	806	-710	179	953	3041	1517	5172	6004	5291	8327	9431	9937	10467	4003	4603
79 2007 Regional Report Surplus Deficit	858	-810	-270	1072	3971	2006	3652	3157	7197	6722	4147	7070	5873	4728	3659
80 2008 Regional Report Surplus Deficit	850	-1029	-203	1573	2094	141	14.2	582	2171	2392	-296	8228	12408	6477	2870
Ranked Averages															
81 Bottom 10 pct	1063	-331	394	1050	1755	-587	-1908	-761	516	187	939	2921	1460	1011	565
82 Middle 80 pct	2420	1110	1379	1750	3366	1995	2833	3804	4684	4728	5400	7580	8541	5429	4009
83 Top 10 pct	3929	2592	2006	2744	5483	6342	9058	10298	10901	9242	9574	10243	10710	9246	7463

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