

2016 Pacific Northwest Loads and Resources Study

Technical Appendix, Volume 2: Capacity Analysis

December 2016



2016 PACIFIC NORTHWEST LOADS AND RESOURCES STUDY
The White Book

TECHNICAL APPENDIX

Volume 2

Capacity Analysis

BONNEVILLE POWER ADMINISTRATION
December 2016

Cover Picture:

Keys Pumping Station penstocks, Grand Coulee Dam, and Lake Roosevelt located at Coulee Dam, Washington.

Source: Tim Misley, taken August 2016

Grand Coulee Power facilities are among the largest in the world; with a nameplate rating of 6,735 megawatts. The John W. Keys III Pump-Generating Plant has a total generating capacity of 314 megawatts and was completed in 1973. It contains 12 pumps that can lift water from the Columbia River up the hillside to a canal that flows in to Banks Lake, which provides irrigation water to over 670,000 acres in the Columbia Basin Project. Six of the pumps can be reversed to generate hydroelectricity when demand exists.

Grand Coulee Dam forms Franklin D. Roosevelt Lake, extending 151 miles upstream to the Canadian border. It has a 600-mile shoreline and a surface area of 82,000 acres.

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

Table of Contents

SECTION 1: MONTHLY CAPACITY (COMMON TABLES)

– OPERATING YEAR 2018 - 2027..... 3

Exhibit 1	Regional Total Retail Load	5
Exhibit 2	Regional Exports	17
Exhibit 3	Regional Imports	29
Exhibit 4	Regional Intra-Regional Transfers	41
Exhibit 5	Regional Small Hydro	53
Exhibit 6	Regional Combustion Turbines	95
Exhibit 7	Regional Renewable Resources	107
Exhibit 8	Regional Cogeneration Resources	149
Exhibit 9	Regional Large Thermal Resources	171
Exhibit 10	Regional Small Thermal & Misc	183
Exhibit 11	Non-Federal CER Deliveries to BPA	195

SECTION 2: MONTHLY 120- HOUR CAPACITY

– OPERATING YEAR 2018 - 2027..... 207

Exhibit 12	Federal Report Surplus/Deficit – 120-Hour.....	209
Exhibit 13	Regional Report Surplus/Deficit - 120-Hour	231
Exhibit 14	BPA Sales to Preference and Legacy Customers - 120-Hour.....	253
Exhibit 15	Regional Regulated Hydro - 120-Hour	265
Exhibit 16	Regional Independent Hydro - 120-Hour	287
Exhibit 17	Federal Report Surplus/Deficit - 120-Hour - 80 Water Year Federal Surplus/Deficit by Water Year	309
Exhibit 18	Regional Report Surplus/Deficit - 120-Hour - 80 Water Year Regional Surplus/Deficit by Water Year.....	331

SECTION 3: MONTHLY 1-HOUR CAPACITY

– OPERATING YEAR 2018 - 2027..... 353

Exhibit 19	Federal Report Surplus/Deficit – 1-Hour.....	355
Exhibit 20	Regional Report Surplus/Deficit - 1-Hour	377
Exhibit 21	BPA Sales to Preference and Legacy Customers - 1-Hour.....	399
Exhibit 22	Regional Regulated Hydro - 1-Hour	411
Exhibit 23	Regional Independent Hydro - 1-Hour	433
Exhibit 24	Federal Report Surplus/Deficit - 1-Hour - 80 Water Year Federal Surplus/Deficit by Water Year	455
Exhibit 25	Regional Report Surplus/Deficit - 1-Hour - 80 Water Year Regional Surplus/Deficit by Water Year.....	477

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**Section 1: Monthly Capacity
(Common Tables)
Operating Year 2018 to 2027**

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Exhibit 1
Regional Total Retail Loads

Monthly Capacity
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional: Total Retail Loads
Operating Year 2018
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
1 Federal Agency	145	145	140	151	183	200	205	197	179	157	157	145	138	147
2 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
3 Cooperative	2745	2745	2516	2531	2909	3316	3242	3106	2787	2727	2727	2634	2689	2886
4 Municipality	3248	3248	3100	3513	4012	4370	4379	4187	3841	3535	3535	3053	3104	3317
5 Public Utility District	5729	5729	5399	5977	6852	7546	7592	7155	6665	6236	6236	5699	5572	5867
6 Investor-Owned Utility	17660	17660	15112	14694	16408	18056	18457	17131	15669	14504	14504	13886	16816	18292
7 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
8 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
9 Total Firm Loads	30579	30579	27238	27721	31083	34296	34650	32549	29985	28071	28071	26411	29355	31579
Non-Firm Loads														
10 Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
11 Total Non-Firm Loads	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
Total Regional Loads (Firm+Non-Firm)														
12 Federal Agency	145	145	140	151	183	200	205	197	179	157	157	145	138	147
13 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
14 Cooperative	2745	2745	2516	2531	2909	3316	3242	3106	2787	2727	2727	2634	2689	2886
15 Municipality	3248	3248	3100	3513	4012	4370	4379	4187	3841	3535	3535	3053	3104	3317
16 Public Utility District	5729	5729	5413	5977	6852	7546	7596	7178	6719	6270	6270	5699	5572	5867
17 Investor-Owned Utility	17660	17660	15112	14694	16408	18056	18457	17131	15669	14504	14504	13886	16816	18292
18 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
19 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
20 Total Loads	30579	30579	27252	27721	31083	34296	34654	32572	30039	28105	28105	26411	29355	31579

Regional: Total Retail Loads

Operating Year 2019

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
1 Federal Agency	145	145	141	161	198	215	221	212	192	167	167	153	147	157
2 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
3 Cooperative	2791	2791	2562	2578	2958	3364	3290	3153	2833	2775	2775	2682	2737	2935
4 Municipality	3307	3307	3110	3529	4027	4386	4390	4198	3850	3543	3543	3060	3112	3325
5 Public Utility District	5876	5876	5523	6016	6900	7602	7639	7193	6698	6269	6269	5726	5598	5870
6 Investor-Owned Utility	17979	17979	15351	14902	16632	18300	18708	17368	15889	14707	14707	14084	17083	18592
7 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
8 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
9 Total Firm Loads	31150	31150	27657	28040	31434	34675	35023	32897	30307	28372	28372	26700	29714	31949
Non-Firm Loads														
10 Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
11 Total Non-Firm Loads	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
Total Regional Loads (Firm+Non-Firm)														
12 Federal Agency	145	145	141	161	198	215	221	212	192	167	167	153	147	157
13 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
14 Cooperative	2791	2791	2562	2578	2958	3364	3290	3153	2833	2775	2775	2682	2737	2935
15 Municipality	3307	3307	3110	3529	4027	4386	4390	4198	3850	3543	3543	3060	3112	3325
16 Public Utility District	5876	5876	5537	6016	6900	7602	7643	7216	6752	6303	6303	5726	5598	5870
17 Investor-Owned Utility	17979	17979	15351	14902	16632	18300	18708	17368	15889	14707	14707	14084	17083	18592
18 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
19 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
20 Total Loads	31150	31150	27671	28040	31434	34675	35027	32920	30361	28406	28406	26700	29714	31949

Regional: Total Retail Loads

Operating Year 2020

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
1 Federal Agency	155	155	149	168	208	226	233	223	202	174	174	160	154	165
2 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
3 Cooperative	2840	2840	2610	2626	3005	3409	3336	3198	2878	2820	2820	2728	2783	2982
4 Municipality	3315	3315	3117	3537	4036	4395	4425	4234	3886	3579	3579	3095	3148	3361
5 Public Utility District	5874	5874	5514	6072	6964	7673	7711	7206	6762	6329	6329	5788	5655	5927
6 Investor-Owned Utility	18275	18275	15573	15108	16857	18555	18962	17608	16108	14915	14915	14285	17356	18896
7 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
8 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
9 Total Firm Loads	31511	31511	27934	28365	31789	35066	35443	33242	30679	28729	28729	27051	30131	32402
Non-Firm Loads														
10 Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
11 Total Non-Firm Loads	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
Total Regional Loads (Firm+Non-Firm)														
12 Federal Agency	155	155	149	168	208	226	233	223	202	174	174	160	154	165
13 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
14 Cooperative	2840	2840	2610	2626	3005	3409	3336	3198	2878	2820	2820	2728	2783	2982
15 Municipality	3315	3315	3117	3537	4036	4395	4425	4234	3886	3579	3579	3095	3148	3361
16 Public Utility District	5874	5874	5528	6072	6964	7673	7715	7229	6816	6363	6363	5788	5655	5927
17 Investor-Owned Utility	18275	18275	15573	15108	16857	18555	18962	17608	16108	14915	14915	14285	17356	18896
18 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
19 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
20 Total Loads	31511	31511	27948	28365	31789	35066	35447	33265	30733	28763	28763	27051	30131	32402

Regional: Total Retail Loads

Operating Year 2021

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
1 Federal Agency	162	162	155	169	210	228	235	222	203	176	176	161	155	166
2 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
3 Cooperative	2886	2886	2656	2671	3049	3455	3382	3219	2922	2865	2865	2772	2828	3029
4 Municipality	3351	3351	3154	3573	4073	4433	4438	4243	3898	3590	3590	3106	3159	3372
5 Public Utility District	5935	5935	5574	6140	7038	7753	7778	7324	6826	6390	6390	5845	5713	5990
6 Investor-Owned Utility	18572	18572	15799	15320	17086	18807	19223	17847	16334	15122	15122	14491	17632	19199
7 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
8 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
9 Total Firm Loads	31959	31959	28309	28728	32176	35483	35832	33628	31028	29054	29054	27370	30523	32826
Non-Firm Loads														
10 Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
11 Total Non-Firm Loads	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
Total Regional Loads (Firm+Non-Firm)														
12 Federal Agency	162	162	155	169	210	228	235	222	203	176	176	161	155	166
13 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
14 Cooperative	2886	2886	2656	2671	3049	3455	3382	3219	2922	2865	2865	2772	2828	3029
15 Municipality	3351	3351	3154	3573	4073	4433	4438	4243	3898	3590	3590	3106	3159	3372
16 Public Utility District	5935	5935	5588	6140	7038	7753	7782	7347	6880	6424	6424	5845	5713	5990
17 Investor-Owned Utility	18572	18572	15799	15320	17086	18807	19223	17847	16334	15122	15122	14491	17632	19199
18 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
19 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
20 Total Loads	31959	31959	28323	28728	32176	35483	35836	33651	31082	29088	29088	27370	30523	32826

Regional: Total Retail Loads

Operating Year 2022

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
1 Federal Agency	164	164	157	170	211	229	236	226	204	177	177	162	156	167
2 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
3 Cooperative	2933	2933	2702	2716	3096	3503	3430	3292	2969	2911	2911	2819	2875	3076
4 Municipality	3363	3363	3165	3585	4085	4445	4450	4258	3909	3601	3601	3117	3169	3384
5 Public Utility District	5998	5998	5625	6190	7093	7812	7837	7377	6876	6437	6437	5890	5759	6038
6 Investor-Owned Utility	18874	18874	16029	15533	17315	19056	19479	18089	16560	15331	15331	14697	17907	19510
7 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
8 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
9 Total Firm Loads	32383	32383	28648	29049	32519	35853	36208	34016	31362	29368	29368	27680	30902	33245
Non-Firm Loads														
10 Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
11 Total Non-Firm Loads	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
Total Regional Loads (Firm+Non-Firm)														
12 Federal Agency	164	164	157	170	211	229	236	226	204	177	177	162	156	167
13 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
14 Cooperative	2933	2933	2702	2716	3096	3503	3430	3292	2969	2911	2911	2819	2875	3076
15 Municipality	3363	3363	3165	3585	4085	4445	4450	4258	3909	3601	3601	3117	3169	3384
16 Public Utility District	5998	5998	5639	6190	7093	7812	7841	7400	6930	6471	6471	5890	5759	6038
17 Investor-Owned Utility	18874	18874	16029	15533	17315	19056	19479	18089	16560	15331	15331	14697	17907	19510
18 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
19 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
20 Total Loads	32383	32383	28662	29049	32519	35853	36212	34039	31416	29402	29402	27680	30902	33245

Regional: Total Retail Loads
Operating Year 2023
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
1 Federal Agency	164	164	157	170	210	229	236	226	204	177	177	162	155	167
2 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
3 Cooperative	2980	2980	2748	2766	3146	3554	3482	3343	3019	2960	2960	2868	2924	3127
4 Municipality	3374	3374	3175	3595	4097	4457	4464	4271	3922	3612	3612	3128	3181	3396
5 Public Utility District	6046	6046	5680	6237	7144	7867	7898	7434	6930	6488	6488	5939	5808	6090
6 Investor-Owned Utility	19178	19178	16259	15744	17542	19304	19738	18326	16786	15539	15539	14908	18185	19823
7 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
8 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
9 Total Firm Loads	32795	32795	28990	29366	32858	36219	36592	34373	31704	29688	29688	28001	31290	33673
Non-Firm Loads														
10 Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
11 Total Non-Firm Loads	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
Total Regional Loads (Firm+Non-Firm)														
12 Federal Agency	164	164	157	170	210	229	236	226	204	177	177	162	155	167
13 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
14 Cooperative	2980	2980	2748	2766	3146	3554	3482	3343	3019	2960	2960	2868	2924	3127
15 Municipality	3374	3374	3175	3595	4097	4457	4464	4271	3922	3612	3612	3128	3181	3396
16 Public Utility District	6046	6046	5694	6237	7144	7867	7902	7457	6984	6522	6522	5939	5808	6090
17 Investor-Owned Utility	19178	19178	16259	15744	17542	19304	19738	18326	16786	15539	15539	14908	18185	19823
18 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
19 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
20 Total Loads	32795	32795	29004	29366	32858	36219	36596	34396	31758	29722	29722	28001	31290	33673

Regional: Total Retail Loads

Operating Year 2024

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
1 Federal Agency	164	164	157	171	212	230	237	227	205	178	178	163	156	168
2 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
3 Cooperative	3031	3031	2798	2811	3193	3602	3530	3390	3065	3006	3006	2914	2970	3174
4 Municipality	3386	3386	3187	3607	4109	4470	4476	4283	3933	3623	3623	3138	3192	3407
5 Public Utility District	6089	6089	5721	6280	7193	7920	7951	7431	6977	6532	6532	5982	5850	6133
6 Investor-Owned Utility	19482	19482	16487	15956	17775	19558	19999	18565	17018	15746	15746	15113	18467	20137
7 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
8 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
9 Total Firm Loads	33204	33204	29320	29680	33200	36587	36968	34669	32041	29997	29997	28305	31671	34090
Non-Firm Loads														
10 Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
11 Total Non-Firm Loads	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
Total Regional Loads (Firm+Non-Firm)														
12 Federal Agency	164	164	157	171	212	230	237	227	205	178	178	163	156	168
13 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
14 Cooperative	3031	3031	2798	2811	3193	3602	3530	3390	3065	3006	3006	2914	2970	3174
15 Municipality	3386	3386	3187	3607	4109	4470	4476	4283	3933	3623	3623	3138	3192	3407
16 Public Utility District	6089	6089	5735	6280	7193	7920	7955	7454	7031	6566	6566	5982	5850	6133
17 Investor-Owned Utility	19482	19482	16487	15956	17775	19558	19999	18565	17018	15746	15746	15113	18467	20137
18 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
19 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
20 Total Loads	33204	33204	29334	29680	33200	36587	36972	34692	32095	30031	30031	28305	31671	34090

Regional: Total Retail Loads

Operating Year 2025

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
1 Federal Agency	165	165	158	173	214	233	240	226	208	180	180	165	158	170
2 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
3 Cooperative	3077	3077	2843	2851	3234	3644	3572	3406	3105	3046	3046	2954	3010	3215
4 Municipality	3398	3398	3198	3618	4121	4482	4488	4292	3944	3634	3634	3149	3202	3418
5 Public Utility District	6130	6130	5760	6322	7239	7970	7996	7527	7017	6571	6571	6018	5886	6171
6 Investor-Owned Utility	19795	19795	16717	16170	18008	19815	20262	18808	17240	15953	15953	15319	18751	20454
7 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
8 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
9 Total Firm Loads	33617	33617	29647	29988	33535	36951	37335	35032	32359	30295	30295	28600	32044	34498
Non-Firm Loads														
10 Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
11 Total Non-Firm Loads	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
Total Regional Loads (Firm+Non-Firm)														
12 Federal Agency	165	165	158	173	214	233	240	226	208	180	180	165	158	170
13 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
14 Cooperative	3077	3077	2843	2851	3234	3644	3572	3406	3105	3046	3046	2954	3010	3215
15 Municipality	3398	3398	3198	3618	4121	4482	4488	4292	3944	3634	3634	3149	3202	3418
16 Public Utility District	6130	6130	5774	6322	7239	7970	8000	7550	7071	6605	6605	6018	5886	6171
17 Investor-Owned Utility	19795	19795	16717	16170	18008	19815	20262	18808	17240	15953	15953	15319	18751	20454
18 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
19 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
20 Total Loads	33617	33617	29661	29988	33535	36951	37339	35055	32413	30329	30329	28600	32044	34498

Regional: Total Retail Loads
Operating Year 2026
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
1 Federal Agency	167	167	160	175	217	236	243	233	211	182	182	167	160	172
2 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
3 Cooperative	3117	3117	2882	2893	3277	3688	3616	3476	3147	3087	3087	2996	3052	3258
4 Municipality	3409	3409	3208	3629	4132	4494	4500	4307	3956	3645	3645	3160	3213	3429
5 Public Utility District	6168	6168	5796	6360	7282	8015	8046	7574	7061	6613	6613	6058	5925	6211
6 Investor-Owned Utility	20105	20105	16950	16388	18250	20074	20535	19056	17475	16170	16170	15535	19043	20781
7 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
8 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
9 Total Firm Loads	34019	34019	29967	30300	33877	37315	37716	35419	32694	30608	30608	28910	32429	34922
Non-Firm Loads														
10 Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
11 Total Non-Firm Loads	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
Total Regional Loads (Firm+Non-Firm)														
12 Federal Agency	167	167	160	175	217	236	243	233	211	182	182	167	160	172
13 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
14 Cooperative	3117	3117	2882	2893	3277	3688	3616	3476	3147	3087	3087	2996	3052	3258
15 Municipality	3409	3409	3208	3629	4132	4494	4500	4307	3956	3645	3645	3160	3213	3429
16 Public Utility District	6168	6168	5810	6360	7282	8015	8050	7597	7115	6647	6647	6058	5925	6211
17 Investor-Owned Utility	20105	20105	16950	16388	18250	20074	20535	19056	17475	16170	16170	15535	19043	20781
18 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
19 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
20 Total Loads	34019	34019	29981	30300	33877	37315	37720	35442	32748	30642	30642	28910	32429	34922

Regional: Total Retail Loads

Operating Year 2027

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
1 Federal Agency	169	169	162	176	219	238	245	235	212	183	183	168	161	173
2 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
3 Cooperative	3160	3160	2924	2937	3322	3734	3634	3493	3163	3100	3100	3009	3065	3272
4 Municipality	3420	3420	3219	3614	4114	4473	4481	4290	3939	3631	3631	3149	3204	3420
5 Public Utility District	6206	6206	5833	6463	7330	8056	8100	7628	7109	6696	6696	6068	5963	6287
6 Investor-Owned Utility	20430	20430	17191	16609	18491	20340	20812	19303	17711	16392	16392	15753	19340	21114
7 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
8 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
9 Total Firm Loads	34437	34437	30299	30654	34194	37648	38048	35722	32978	30913	30913	29142	32769	35336
Non-Firm Loads														
10 Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
11 Total Non-Firm Loads	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
Total Regional Loads (Firm+Non-Firm)														
12 Federal Agency	169	169	162	176	219	238	245	235	212	183	183	168	161	173
13 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
14 Cooperative	3160	3160	2924	2937	3322	3734	3634	3493	3163	3100	3100	3009	3065	3272
15 Municipality	3420	3420	3219	3614	4114	4473	4481	4290	3939	3631	3631	3149	3204	3420
16 Public Utility District	6206	6206	5847	6463	7330	8056	8104	7651	7163	6730	6730	6068	5963	6287
17 Investor-Owned Utility	20430	20430	17191	16609	18491	20340	20812	19303	17711	16392	16392	15753	19340	21114
18 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
19 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
20 Total Loads	34437	34437	30313	30654	34194	37648	38052	35745	33032	30947	30947	29142	32769	35336

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***Exhibit 2
Regional Exports***

***Monthly Capacity
Operating Year 2018 to 2027
Using 1937-Water Conditions***

Regional Exports

Operating Year 2019

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Canada														
Contracts														
1 BPA-P to BCHP Trty CEA	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324
2 BPA-P to BCHP NTSA Del	121	121	0	0	0	0	0	0	0	0	0	0	0	15.5
3 Total Exports to CAN	1445	1445	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1340
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
5 BPA-P to Other Entities	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
Inland Southwest														
Transfer Services														
7 UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Exports to ISW	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Southwest														
Contracts														
9 BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 BPA-P to Other Entities	106	106	90.0	60.0	48.0	40.0	38.0	38.0	13.0	0	0	0	0	0
12 BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
15 PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
Transfer Services														
16 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 SMUD to SMUD TS PwrP	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
24 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Intertie Losses	14	14	14	4	3	2.9	2.8	2.8	2.0	1.7	1.9	1.9	11	11
26 Total Exports to PSW	483	483	466	126	106	97.9	95.8	95.8	70.0	56.7	64.7	64.7	374	374
Total Exports														
27 Federal Entities	1554	1554	1417	1386	1374	1366	1363	1363	1338	1324	1324	1324	1324	1340
28 Investor Owned Utilities	307	307	307	6.80	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	301	301
29 Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
30 Municipality	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
31 Total Exports	1924	1924	1787	1456	1430	1422	1419	1419	1394	1380	1388	1388	1688	1704

Regional Exports
Operating Year 2020
2016 White Book Report Date: 9/20/2016
S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Canada														
Contracts														
1 BPA-P to BCHP Trty CEA	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142
2 BPA-P to BCHP NTSA Del	121	121	0	0	0	0	0	0	0	0	0	0	0	24.0
3 Total Exports to CAN	1262	1262	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
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
5 BPA-P to Other Entities	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
Inland Southwest														
Transfer Services														
7 UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Exports to ISW	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Southwest														
Contracts														
9 BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
15 PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
Transfer Services														
16 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 SMUD to SMUD TS PwrP	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
24 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Intertie Losses	11	11	11	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.9	1.9	11	11
26 Total Exports to PSW	374	374	374	64.7	56.7	56.7	56.7	56.7	56.7	56.7	64.7	64.7	374	374
Total Exports														
27 Federal Entities	1262	1262	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
28 Investor Owned Utilities	301	301	301	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	301	301
29 Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
30 Municipality	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
31 Total Exports	1626	1626	1505	1205	1198	1198	1198	1198	1198	1198	1205	1205	1505	1529

Regional Exports

Operating Year 2021

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Canada														
Contracts														
1 BPA-P to BCHP Trty CEA	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142
2 BPA-P to BCHP NTSA Del	137	137	0	0	0	0	0	0	0	0	0	0	0	24.0
3 Total Exports to CAN	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
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
5 BPA-P to Other Entities	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
Inland Southwest														
Transfer Services														
7 UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Exports to ISW	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Southwest														
Contracts														
9 BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
15 PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
Transfer Services														
16 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 SMUD to SMUD TS PwrP	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
24 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Intertie Losses	11	11	11	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.9	1.9	11	11
26 Total Exports to PSW	374	374	374	64.7	56.7	56.7	56.7	56.7	56.7	56.7	64.7	64.7	374	374
Total Exports														
27 Federal Entities	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
28 Investor Owned Utilities	301	301	301	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	301	301
29 Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
30 Municipality	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
31 Total Exports	1642	1642	1505	1205	1198	1198	1198	1198	1198	1198	1205	1205	1505	1529

Regional Exports

Operating Year 2022

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Canada														
Contracts														
1 BPA-P to BCHP Trty CEA	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142
2 BPA-P to BCHP NTSA Del	137	137	0	0	0	0	0	0	0	0	0	0	0	24.0
3 Total Exports to CAN	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
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
5 BPA-P to Other Entities	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
Inland Southwest														
Transfer Services														
7 UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Exports to ISW	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Southwest														
Contracts														
9 BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
15 PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer Services														
16 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Intertie Losses	0.23	0.23	0.23	0.23	0	0	0	0	0	0	0.23	0.23	0.23	0.23
25 Total Exports to PSW	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
Total Exports														
26 Federal Entities	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
27 Investor Owned Utilities	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
28 Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
29 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Exports	1287	1287	1150	1150	1143	1143	1143	1143	1143	1143	1150	1150	1150	1174

Regional Exports
Operating Year 2023
2016 White Book Report Date: 9/20/2016
S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Canada														
Contracts														
1 BPA-P to BCHP Trty CEA	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142
2 BPA-P to BCHP NTSA Del	137	137	0	0	0	0	0	0	0	0	0	0	0	24.0
3 Total Exports to CAN	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
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
5 BPA-P to Other Entities	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
Inland Southwest														
Transfer Services														
7 UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Exports to ISW	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Southwest														
Contracts														
9 BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
15 PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer Services														
16 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Intertie Losses	0.23	0.23	0.23	0.23	0	0	0	0	0	0	0.23	0.23	0.23	0.23
25 Total Exports to PSW	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
Total Exports														
26 Federal Entities	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
27 Investor Owned Utilities	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
28 Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
29 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Exports	1287	1287	1150	1150	1143	1143	1143	1143	1143	1143	1150	1150	1150	1174

Regional Exports

Operating Year 2024

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Canada														
Contracts														
1 BPA-P to BCHP Trty CEA	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142
2 BPA-P to BCHP NTSA Del	137	137	0	0	0	0	0	0	0	0	0	0	0	24.0
3 Total Exports to CAN	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
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
5 BPA-P to Other Entities	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
Inland Southwest														
Transfer Services														
7 UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Exports to ISW	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Southwest														
Contracts														
9 BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
15 PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer Services														
16 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Intertie Losses	0.23	0.23	0.23	0.23	0	0	0	0	0	0	0.23	0.23	0.23	0.23
25 Total Exports to PSW	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
Total Exports														
26 Federal Entities	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
27 Investor Owned Utilities	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
28 Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
29 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Exports	1287	1287	1150	1150	1143	1143	1143	1143	1143	1143	1150	1150	1150	1174

Regional Exports
Operating Year 2025
2016 White Book Report Date: 9/20/2016
S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Canada														
Contracts														
1 BPA-P to BCHP Trty CEA	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142
2 BPA-P to BCHP NTSA Del	137	137	0	0	0	0	0	0	0	0	0	0	0	24.0
3 Total Exports to CAN	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
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
5 BPA-P to Other Entities	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
Inland Southwest														
Transfer Services														
7 UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Exports to ISW	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Southwest														
Contracts														
9 BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
15 PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer Services														
16 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Intertie Losses	0.23	0.23	0.23	0.23	0	0	0	0	0	0	0.23	0.23	0.23	0.23
25 Total Exports to PSW	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
Total Exports														
26 Federal Entities	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
27 Investor Owned Utilities	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
28 Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
29 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Exports	1287	1287	1150	1150	1143	1143	1143	1143	1143	1143	1150	1150	1150	1174

Regional Exports
Operating Year 2026
2016 White Book Report Date: 9/20/2016
S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Canada														
Contracts														
1 BPA-P to BCHP Trty CEA	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142
2 BPA-P to BCHP NTSA Del	137	137	0	0	0	0	0	0	0	0	0	0	0	24.0
3 Total Exports to CAN	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
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
5 BPA-P to Other Entities	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
Inland Southwest														
Transfer Services														
7 UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Exports to ISW	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Southwest														
Contracts														
9 BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
15 PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer Services														
16 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Intertie Losses	0.23	0.23	0.23	0.23	0	0	0	0	0	0	0.23	0.23	0.23	0.23
25 Total Exports to PSW	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
Total Exports														
26 Federal Entities	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
27 Investor Owned Utilities	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
28 Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
29 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Exports	1287	1287	1150	1150	1143	1143	1143	1143	1143	1143	1150	1150	1150	1174

Regional Exports

Operating Year 2027

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Canada														
Contracts														
1 BPA-P to BCHP Trty CEA	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142
2 BPA-P to BCHP NTSA Del	137	137	0	0	0	0	0	0	0	0	0	0	0	24.0
3 Total Exports to CAN	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
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
5 BPA-P to Other Entities	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
Inland Southwest														
Transfer Services														
7 UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Exports to ISW	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Southwest														
Contracts														
9 BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
15 PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer Services														
16 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Intertie Losses	0.23	0.23	0.23	0.23	0	0	0	0	0	0	0.23	0.23	0.23	0.23
25 Total Exports to PSW	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
Total Exports														
26 Federal Entities	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
27 Investor Owned Utilities	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
28 Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
29 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Exports	1287	1287	1150	1150	1143	1143	1143	1143	1143	1143	1150	1150	1150	1174

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Exhibit 3
Regional Imports

Monthly Capacity
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional: Imports

Operating Year 2018

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW

Aug1 Aug1 Sep Oct Nov Dec Jan Feb Mar Apr1 Apr16 May Jun Jul
6

Canada

Contracts

1 BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	2.83	2.83	2.79	3.48	4.25	4.43	4.95	4.32	4.02	3.70	3.70	3.15	2.60	2.69
4 Total Imports From CAN	146	146	146	147	102	124	155	188	213	147	147	147	146	146

Inland Southwest

Transfer Services

5 RMP to RMP TS PwrP	747	747	628	569	566	647	590	589	565	536	536	578	817	893
6 Total Imports From ISW	747	747	628	569	566	647	590	589	565	536	536	578	817	893

Pacific Southwest

Contracts

7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Other Entities to Other Entities	75.0	75.0	75.0	125	125	125	125	125	125	75.0	75.0	75.0	75.0	75.0
14 PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
15 NCPA to SCL SNX Ret	0	0	0	0	24.5	46.0	46.0	46.0	46.0	12.0	12.0	0	0	0
16 Total Imports From PSW	75.0	75.0	75.0	125	450	471	471	471	171	87.0	87.0	75.0	75.0	75.0

Total Imports

17 Federal Entities	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	76.0
18 Investor Owned Utilities	750	750	631	572	870	951	895	893	569	540	540	581	820	896
19 Municipality	143	143	143	143	122	164	195	228	254	155	155	143	143	143
20 Total Imports	968	968	849	841	1118	1242	1216	1248	949	770	770	800	1038	1114

**Regional: Imports
Operating Year 2019**

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW

Aug1 Aug1 Sep Oct Nov Dec Jan Feb Mar Apr1 Apr16 May Jun Jul
6

Canada

Contracts

1 BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	2.83	2.83	2.79	3.48	4.25	4.43	4.95	4.32	4.02	3.70	3.70	3.15	2.60	2.69
4 Total Imports From CAN	146	146	146	147	102	124	155	188	213	147	147	147	146	146

Inland Southwest

Transfer Services

5 RMP to RMP TS PwrP	755	755	632	573	569	650	594	593	569	540	540	582	826	903
6 Total Imports From ISW	755	755	632	573	569	650	594	593	569	540	540	582	826	903

Pacific Southwest

Contracts

7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Other Entities to Other Entities	75.0	75.0	75.0	125	125	125	125	125	125	75.0	75.0	75.0	75.0	75.0
14 PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
15 Total Imports From PSW	75.0	75.0	75.0	125	425	425	425	425	125	75.0	75.0	75.0	75.0	75.0

Total Imports

16 Federal Entities	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	76.0
17 Investor Owned Utilities	758	758	635	576	873	954	899	897	573	544	544	585	829	906
18 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
19 Total Imports	976	976	853	845	1096	1199	1174	1206	907	762	762	804	1047	1124

**Regional: Imports
Operating Year 2020**

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW

Aug1 Aug1 Sep Oct Nov Dec Jan Feb Mar Apr1 Apr16 May Jun Jul
6

Canada

Contracts

1 BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	2.83	2.83	2.79	3.48	4.25	4.43	4.95	4.32	4.02	3.70	3.70	3.15	2.60	2.69
4 Total Imports From CAN	146	146	146	147	102	124	155	188	213	147	147	147	146	146

Inland Southwest

Transfer Services

5 RMP to RMP TS PwrP	763	763	636	576	572	653	597	596	572	543	543	585	835	913
6 Total Imports From ISW	763	763	636	576	572	653	597	596	572	543	543	585	835	913

Pacific Southwest

Contracts

7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Other Entities to Other Entities	75.0	75.0	75.0	125	125	125	125	125	125	75.0	75.0	75.0	75.0	75.0
14 PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
15 Total Imports From PSW	75.0	75.0	75.0	125	425	425	425	425	125	75.0	75.0	75.0	75.0	75.0

Total Imports

16 Federal Entities	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	76.0
17 Investor Owned Utilities	766	766	639	579	876	957	902	900	576	547	547	588	838	916
18 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
19 Total Imports	984	984	857	848	1099	1202	1177	1209	910	765	765	807	1056	1134

Regional: Imports

Operating Year 2021

2016 White Book Report Date: **9/20/2016**

S140-WB-20161121-220001

120Hr-MW

Aug1 Aug1
6 Sep Oct Nov Dec Jan Feb Mar Apr1 Apr16 May Jun Jul

Canada

Contracts

1 BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	2.83	2.83	2.79	3.48	4.25	4.43	4.95	4.32	4.02	3.70	3.70	3.15	2.60	2.69
4 Total Imports From CAN	146	146	146	147	102	124	155	188	213	147	147	147	146	146

Inland Southwest

Transfer Services

5 RMP to RMP TS PwrP	771	771	640	580	575	657	600	599	576	547	547	589	843	922
6 Total Imports From ISW	771	771	640	580	575	657	600	599	576	547	547	589	843	922

Pacific Southwest

Contracts

7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Other Entities to Other Entities	75.0	75.0	75.0	125	125	125	125	125	125	75.0	75.0	75.0	75.0	0
14 PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
15 Total Imports From PSW	75.0	75.0	75.0	125	425	425	425	425	125	75.0	75.0	75.0	75.0	0

Total Imports

16 Federal Entities	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	1.00
17 Investor Owned Utilities	774	774	643	583	879	961	905	903	580	551	551	592	846	925
18 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
19 Total Imports	992	992	861	852	1102	1206	1180	1212	914	769	769	811	1064	1068

**Regional: Imports
Operating Year 2022**

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW

Aug1 Aug1 Sep Oct Nov Dec Jan Feb Mar Apr1 Apr16 May Jun Jul
6

Canada

Contracts

1 BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	2.83	2.83	2.79	3.48	4.25	4.43	4.95	4.32	4.02	3.70	3.70	3.15	2.60	2.69
4 Total Imports From CAN	146	146	146	147	102	124	155	188	213	147	147	147	146	146

Inland Southwest

Transfer Services

5 RMP to RMP TS PwrP	779	779	644	584	578	661	604	603	580	550	550	593	852	932
6 Total Imports From ISW	779	779	644	584	578	661	604	603	580	550	550	593	852	932

Pacific Southwest

Contracts

7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
14 Total Imports From PSW	0	0	0	0	300	300	300	300	0	0	0	0	0	0

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
16 Investor Owned Utilities	782	782	647	587	882	965	909	907	584	554	554	596	855	935
17 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
18 Total Imports	925	925	790	731	980	1085	1059	1091	793	697	697	740	998	1078

**Regional: Imports
Operating Year 2023**

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW

Aug1 Aug1 Sep Oct Nov Dec Jan Feb Mar Apr1 Apr16 May Jun Jul
6

Canada

Contracts

1 BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
2 BCHP to BPA-P Trty LcALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	2.83	2.83	2.79	3.48	4.25	4.43	4.95	4.32	4.02	3.70	3.70	3.15	2.60	2.69
4 Total Imports From CAN	146	146	146	147	102	124	155	188	213	147	147	147	146	146

Inland Southwest

Transfer Services

5 RMP to RMP TS PwrP	788	788	648	588	581	665	607	606	583	554	554	597	861	942
6 Total Imports From ISW	788	788	648	588	581	665	607	606	583	554	554	597	861	942

Pacific Southwest

Contracts

7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
14 Total Imports From PSW	0	0	0	0	300	300	300	300	0	0	0	0	0	0

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
16 Investor Owned Utilities	791	791	651	591	885	969	912	910	587	558	558	600	864	945
17 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
18 Total Imports	934	934	794	735	983	1089	1062	1094	796	701	701	744	1007	1088

**Regional: Imports
Operating Year 2024**

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW

Aug1 Aug1 Sep Oct Nov Dec Jan Feb Mar Apr1 Apr16 May Jun Jul
6

Canada

Contracts

1 BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	2.83	2.83	2.79	3.48	4.25	4.43	4.95	4.32	4.02	3.70	3.70	3.15	2.60	2.69
4 Total Imports From CAN	146	146	146	147	102	124	155	188	213	147	147	147	146	146

Inland Southwest

Transfer Services

5 RMP to RMP TS PwrP	796	796	653	592	584	669	610	610	587	558	558	601	870	951
6 Total Imports From ISW	796	796	653	592	584	669	610	610	587	558	558	601	870	951

Pacific Southwest

Contracts

7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
14 Total Imports From PSW	0	0	0	0	300	300	300	300	0	0	0	0	0	0

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
16 Investor Owned Utilities	799	799	656	595	888	973	915	914	591	562	562	604	873	954
17 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
18 Total Imports	942	942	799	739	986	1093	1065	1098	800	705	705	748	1016	1097

**Regional: Imports
Operating Year 2025**

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW

Aug1 Aug1 Sep Oct Nov Dec Jan Feb Mar Apr1 Apr16 May Jun Jul
6

Canada

Contracts

1 BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	2.83	2.83	2.79	3.48	4.25	4.43	4.95	4.32	4.02	3.70	3.70	3.15	2.60	2.69
4 Total Imports From CAN	146	146	146	147	102	124	155	188	213	147	147	147	146	146

Inland Southwest

Transfer Services

5 RMP to RMP TS PwrP	804	804	657	595	588	673	613	613	591	561	561	604	879	961
6 Total Imports From ISW	804	804	657	595	588	673	613	613	591	561	561	604	879	961

Pacific Southwest

Contracts

7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
14 Total Imports From PSW	0	0	0	0	300	300	300	300	0	0	0	0	0	0

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
16 Investor Owned Utilities	807	807	660	598	892	977	918	917	595	565	565	607	882	964
17 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
18 Total Imports	950	950	803	742	990	1097	1068	1101	804	708	708	751	1025	1107

**Regional: Imports
Operating Year 2026**

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW

Aug1 Aug1 Sep Oct Nov Dec Jan Feb Mar Apr1 Apr16 May Jun Jul
6

Canada

Contracts

1 BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
2 BCHP to BPA-P Trty LcAlGcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	2.83	2.83	2.79	3.48	4.25	4.43	4.95	4.32	4.02	3.70	3.70	3.15	2.60	2.69
4 Total Imports From CAN	146	146	146	147	102	124	155	188	213	147	147	147	146	146

Inland Southwest

Transfer Services

5 RMP to RMP TS PwrP	812	812	662	599	591	676	616	616	595	565	565	608	889	971
6 Total Imports From ISW	812	812	662	599	591	676	616	616	595	565	565	608	889	971

Pacific Southwest

Contracts

7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
14 Total Imports From PSW	0	0	0	0	300	300	300	300	0	0	0	0	0	0

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
16 Investor Owned Utilities	815	815	665	602	895	980	921	920	599	569	569	611	892	974
17 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
18 Total Imports	958	958	808	746	993	1100	1071	1104	808	712	712	755	1035	1117

Regional: Imports

Operating Year 2027

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW

Aug1 Aug1 Sep Oct Nov Dec Jan Feb Mar Apr1 Apr16 May Jun Jul
6

Canada

Contracts

1 BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 Other Entities to PSE	2.83	2.83	2.79	3.48	4.25	4.43	4.95	4.32	4.02	3.70	3.70	3.15	2.60	2.69
4 Total Imports From CAN	146	146	146	147	102	124	155	188	213	147	147	147	146	146

Inland Southwest

Transfer Services

5 RMP to RMP TS PwrP	821	821	666	603	594	680	620	619	598	569	569	612	898	981
6 Total Imports From ISW	821	821	666	603	594	680	620	619	598	569	569	612	898	981

Pacific Southwest

Contracts

7 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
14 Total Imports From PSW	0	0	0	0	300	300	300	300	0	0	0	0	0	0

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
16 Investor Owned Utilities	824	824	669	606	898	984	925	923	602	573	573	615	901	984
17 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
18 Total Imports	967	967	812	750	996	1104	1075	1107	811	716	716	759	1044	1127

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Exhibit 4
Regional Intra-Regional Transfers

Monthly Capacity
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional: Intra-Regional Transfers
Operating Year 2018
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Intra-Regional Transfers														
Contracts	520	520	629	596	720	716	671	663	579	641	641	435	599	448
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	145	145	145	145	145	145	145	145	145	0	145	0
2 AVWP to ESI PwrS LTFirm	50.0	50.0	50.0	50.0	50.0	50.0	0	0	0	0	0	0	0	0
3 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	140	140	140	140	70.0	70.0	70.0	0	0	0
4 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
5 BPA-P to Other Entities	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	0	0	0	0	0	0
6 BPA-P to PPL NSP RIn	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
7 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0
10 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 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
12 GCPD to PPL PwrS LTFirm	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
13 GHPD to GHP PwrS LTFirm	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
14 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
15 Other Entities to BPA-P	164	164	143	111	92.0	87.1	92.1	84.6	102	161	161	157	170	162
16 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
17 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
18 PGE to PPL PwrS LTFirm	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
19 PPL to BPA-P NSP SOut	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
20 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 SCL to POPD PwrS LTFirm	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
24 SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104
25 Total Intra-Regional Transfers	520	520	629	596	720	716	671	663	579	641	641	435	599	448
Intra-Regional Contracts Out														
26 Federal Entities	51.2	51.2	51.2	51.2	198	198	198	198	96.2	96.2	96.2	26.2	26.2	26.2
27 Investor Owned Utilities	130	130	253	247	240	236	191	183	201	213	213	64.9	223	70.4
28 Marketer	246	246	246	219	203	203	203	203	203	253	253	253	253	253
29 Municipality	63.8	63.8	49.5	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	61.1	67.7	69.0
30 Public Utility District	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
31 Total Regional Contracts Out	520	520	629	596	720	716	671	663	579	641	641	435	599	448
Intra-Regional Contracts In														
32 Federal Entities	202	202	326	293	271	266	271	263	281	343	343	195	352	199
33 Investor Owned Utilities	151	151	137	136	283	283	283	283	206	206	206	148	155	156
34 Marketer	90.5	90.5	90.5	90.5	90.5	90.5	40.5	40.5	15.5	15.5	15.5	15.5	15.5	15.5
35 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
36 Public Utility District	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
37 Total Regional Contracts In	520	520	629	596	720	716	671	663	579	641	641	435	599	448

Regional: Intra-Regional Transfers
Operating Year 2019
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW

Aug1 Aug16 Sep Oct Nov Dec Jan Feb Mar Apr1 Apr16 May Jun Jul

Intra-Regional Transfers

Contracts	452	452	416	364	504	500	505	497	410	463	463	405	413	414
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP to ESI PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	140	140	140	140	70.0	70.0	70.0	0	0	0
4 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
5 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA-P to PPL NSP RIn	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
7 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0
10 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 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
12 GCPD to PPL PwrS LTFirm	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
13 GHPD to GHP PwrS LTFirm	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
14 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
15 Other Entities to BPA-P	171	171	150	99.0	96.0	91.1	96.1	88.6	78.0	128	128	128	128	128
16 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
17 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
18 PGE to PPL PwrS LTFirm	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
19 PPL to BPA-P NSP SOut	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
20 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 SCL to POPD PwrS LTFirm	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
24 SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104
25 Total Intra-Regional Transfers	452	452	416	364	504	500	505	497	410	463	463	405	413	414

Intra-Regional Contracts Out

26 Federal Entities	26.2	26.2	26.2	26.2	173	173	173	173	96.2	96.2	96.2	26.2	26.2	26.2
27 Investor Owned Utilities	79.9	79.9	57.8	52.2	45.4	40.6	45.7	38.3	27.6	31.1	31.1	31.6	32.0	32.6
28 Marketer	253	253	253	207	207	207	207	207	207	257	257	257	257	257
29 Municipality	63.8	63.8	49.5	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	61.1	67.7	69.0
30 Public Utility District	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
31 Total Regional Contracts Out	452	452	416	364	504	500	505	497	410	463	463	405	413	414

Intra-Regional Contracts In

32 Federal Entities	209	209	188	136	130	125	130	122	112	165	165	165	165	165
33 Investor Owned Utilities	151	151	137	136	283	283	283	283	206	206	206	148	155	156
34 Marketer	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
35 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
36 Public Utility District	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
37 Total Regional Contracts In	452	452	416	364	504	500	505	497	410	463	463	405	413	414

Regional: Intra-Regional Transfers
Operating Year 2020
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW

Aug1 Aug16 Sep Oct Nov Dec Jan Feb Mar Apr1 Apr16 May Jun Jul

Intra-Regional Transfers

Contracts	409	409	394	265	268	268	269	269	262	315	315	327	335	336
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP to ESI PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
5 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA-P to PPL NSP RIn	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
7 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0
10 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 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
12 GCPD to PPL PwrS LTFirm	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
13 GHPD to GHP PwrS LTFirm	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
14 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
15 Other Entities to BPA-P	128	128	128	0	0	0	0	0	0	50.0	50.0	50.0	50.0	50.0
16 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
17 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
18 PGE to PPL PwrS LTFirm	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
19 PPL to BPA-P NSP SOut	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
20 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 SCL to POPD PwrS LTFirm	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
24 SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104
25 Total Intra-Regional Transfers	409	409	394	265	268	268	269	269	262	315	315	327	335	336

Intra-Regional Contracts Out

26 Federal Entities	26.2	26.2	26.2	26.2	33.2	33.2	33.2	33.2	26.2	26.2	26.2	26.2	26.2	26.2
27 Investor Owned Utilities	32.6	32.6	31.7	31.3	27.4	27.5	27.7	27.7	27.6	31.1	31.1	31.6	32.0	32.6
28 Marketer	257	257	257	129	129	129	129	129	129	179	179	179	179	179
29 Municipality	63.8	63.8	49.5	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	61.1	67.7	69.0
30 Public Utility District	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
31 Total Regional Contracts Out	409	409	394	265	268	268	269	269	262	315	315	327	335	336

Intra-Regional Contracts In

32 Federal Entities	165	165	165	37.4	33.7	33.7	33.7	33.7	33.7	87.4	87.4	87.4	87.4	87.4
33 Investor Owned Utilities	151	151	137	136	143	143	143	143	136	136	136	148	155	156
34 Marketer	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
35 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
36 Public Utility District	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
37 Total Regional Contracts In	409	409	394	265	268	268	269	269	262	315	315	327	335	336

Regional: Intra-Regional Transfers
Operating Year 2021
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW

Aug1 Aug16 Sep Oct Nov Dec Jan Feb Mar Apr1 Apr16 May Jun Jul

Intra-Regional Transfers

Contracts	331	331	316	248	235	235	235	235	228	281	281	294	301	253
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP to ESI PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
5 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA-P to PPL NSP RIn	16.8	16.8	16.8	16.8	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0
10 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 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
12 GCPD to PPL PwrS LTFirm	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
13 GHPD to GHP PwrS LTFirm	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
14 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
15 Other Entities to BPA-P	50.0	50.0	50.0	0	0	0	0	0	0	50.0	50.0	50.0	50.0	0
16 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
17 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
18 PGE to PPL PwrS LTFirm	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
19 PPL to BPA-P NSP SOut	16.8	16.8	16.8	0	0	0	0	0	0	0	0	0	0	0
20 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 SCL to POPD PwrS LTFirm	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
24 SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104
25 Total Intra-Regional Transfers	331	331	316	248	235	235	235	235	228	281	281	294	301	253

Intra-Regional Contracts Out

26 Federal Entities	26.2	26.2	26.2	26.2	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
27 Investor Owned Utilities	32.6	32.6	31.7	14.5	10.6	10.7	10.9	10.9	10.8	14.3	14.3	14.8	15.2	15.8
28 Marketer	179	179	179	129	129	129	129	129	129	179	179	179	179	129
29 Municipality	63.8	63.8	49.5	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	61.1	67.7	69.0
30 Public Utility District	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
31 Total Regional Contracts Out	331	331	316	248	235	235	235	235	228	281	281	294	301	253

Intra-Regional Contracts In

32 Federal Entities	87.4	87.4	87.4	20.6	16.9	16.9	16.9	16.9	16.9	70.6	70.6	70.6	70.6	20.6
33 Investor Owned Utilities	151	151	137	136	127	127	127	127	120	120	120	131	138	139
34 Marketer	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
35 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
36 Public Utility District	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
37 Total Regional Contracts In	331	331	316	248	235	235	235	235	228	281	281	294	301	253

Regional: Intra-Regional Transfers
Operating Year 2022
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW

Aug1 Aug16 Sep Oct Nov Dec Jan Feb Mar Apr1 Apr16 May Jun Jul

Intra-Regional Transfers

Contracts	248	248	232	232	235	235	235	235	228	231	231	244	251	253
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP to ESI PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
5 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA-P to PPL NSP RIn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0
10 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 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
12 GCPD to PPL PwrS LTFirm	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
13 GHPD to GHP PwrS LTFirm	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
14 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
15 Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 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
17 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
18 PGE to PPL PwrS LTFirm	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
19 PPL to BPA-P NSP SOut	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 SCL to POPD PwrS LTFirm	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
24 SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104
25 Total Intra-Regional Transfers	248	248	232	232	235	235	235	235	228	231	231	244	251	253

Intra-Regional Contracts Out

26 Federal Entities	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
27 Investor Owned Utilities	15.8	15.8	14.9	14.5	10.6	10.7	10.9	10.9	10.8	14.3	14.3	14.8	15.2	15.8
28 Marketer	129	129	129	129	129	129	129	129	129	129	129	129	129	129
29 Municipality	63.8	63.8	49.5	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	61.1	67.7	69.0
30 Public Utility District	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
31 Total Regional Contracts Out	248	248	232	232	235	235	235	235	228	231	231	244	251	253

Intra-Regional Contracts In

32 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
33 Investor Owned Utilities	134	134	120	120	127	127	127	127	120	120	120	131	138	139
34 Marketer	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
35 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
36 Public Utility District	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
37 Total Regional Contracts In	248	248	232	232	235	235	235	235	228	231	231	244	251	253

Regional: Intra-Regional Transfers
Operating Year 2023
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW

Aug1 Aug16 Sep Oct Nov Dec Jan Feb Mar Apr1 Apr16 May Jun Jul

Intra-Regional Transfers

Contracts	248	248	232	232	235	235	235	235	228	231	231	244	251	253
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP to ESI PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
5 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA-P to PPL NSP RIn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0
10 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 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
12 GCPD to PPL PwrS LTFirm	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
13 GHPD to GHP PwrS LTFirm	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
14 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
15 Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 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
17 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
18 PGE to PPL PwrS LTFirm	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
19 PPL to BPA-P NSP SOut	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 SCL to POPD PwrS LTFirm	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
24 SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104
25 Total Intra-Regional Transfers	248	248	232	232	235	235	235	235	228	231	231	244	251	253

Intra-Regional Contracts Out

26 Federal Entities	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
27 Investor Owned Utilities	15.8	15.8	14.9	14.5	10.6	10.7	10.9	10.9	10.8	14.3	14.3	14.8	15.2	15.8
28 Marketer	129	129	129	129	129	129	129	129	129	129	129	129	129	129
29 Municipality	63.8	63.8	49.5	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	61.1	67.7	69.0
30 Public Utility District	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
31 Total Regional Contracts Out	248	248	232	232	235	235	235	235	228	231	231	244	251	253

Intra-Regional Contracts In

32 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
33 Investor Owned Utilities	134	134	120	120	127	127	127	127	120	120	120	131	138	139
34 Marketer	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
35 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
36 Public Utility District	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
37 Total Regional Contracts In	248	248	232	232	235	235	235	235	228	231	231	244	251	253

Regional: Intra-Regional Transfers
Operating Year 2024
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW

Aug1 Aug16 Sep Oct Nov Dec Jan Feb Mar Apr1 Apr16 May Jun Jul

Intra-Regional Transfers

Contracts	248	248	232	232	235	235	235	235	228	231	231	244	251	253
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP to ESI PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
5 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA-P to PPL NSP RIn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0
10 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 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
12 GCPD to PPL PwrS LTFirm	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
13 GHPD to GHP PwrS LTFirm	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
14 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
15 Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 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
17 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
18 PGE to PPL PwrS LTFirm	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
19 PPL to BPA-P NSP SOut	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 SCL to POPD PwrS LTFirm	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
24 SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104
25 Total Intra-Regional Transfers	248	248	232	232	235	235	235	235	228	231	231	244	251	253

Intra-Regional Contracts Out

26 Federal Entities	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
27 Investor Owned Utilities	15.8	15.8	14.9	14.5	10.6	10.7	10.9	10.9	10.8	14.3	14.3	14.8	15.2	15.8
28 Marketer	129	129	129	129	129	129	129	129	129	129	129	129	129	129
29 Municipality	63.8	63.8	49.5	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	61.1	67.7	69.0
30 Public Utility District	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
31 Total Regional Contracts Out	248	248	232	232	235	235	235	235	228	231	231	244	251	253

Intra-Regional Contracts In

32 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
33 Investor Owned Utilities	134	134	120	120	127	127	127	127	120	120	120	131	138	139
34 Marketer	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
35 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
36 Public Utility District	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
37 Total Regional Contracts In	248	248	232	232	235	235	235	235	228	231	231	244	251	253

Regional: Intra-Regional Transfers
Operating Year 2025
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW

Aug1 Aug16 Sep Oct Nov Dec Jan Feb Mar Apr1 Apr16 May Jun Jul

Intra-Regional Transfers

Contracts	248	248	232	232	235	235	235	235	228	231	231	244	251	253
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP to ESI PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
5 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA-P to PPL NSP RIn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0
10 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 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
12 GCPD to PPL PwrS LTFirm	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
13 GHPD to GHP PwrS LTFirm	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
14 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
15 Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 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
17 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
18 PGE to PPL PwrS LTFirm	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
19 PPL to BPA-P NSP SOut	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 SCL to POPD PwrS LTFirm	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
24 SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104
25 Total Intra-Regional Transfers	248	248	232	232	235	235	235	235	228	231	231	244	251	253

Intra-Regional Contracts Out

26 Federal Entities	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
27 Investor Owned Utilities	15.8	15.8	14.9	14.5	10.6	10.7	10.9	10.9	10.8	14.3	14.3	14.8	15.2	15.8
28 Marketer	129	129	129	129	129	129	129	129	129	129	129	129	129	129
29 Municipality	63.8	63.8	49.5	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	61.1	67.7	69.0
30 Public Utility District	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
31 Total Regional Contracts Out	248	248	232	232	235	235	235	235	228	231	231	244	251	253

Intra-Regional Contracts In

32 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
33 Investor Owned Utilities	134	134	120	120	127	127	127	127	120	120	120	131	138	139
34 Marketer	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
35 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
36 Public Utility District	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
37 Total Regional Contracts In	248	248	232	232	235	235	235	235	228	231	231	244	251	253

Regional: Intra-Regional Transfers
Operating Year 2026
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW

Aug1 Aug16 Sep Oct Nov Dec Jan Feb Mar Apr1 Apr16 May Jun Jul

Intra-Regional Transfers

Contracts	248	248	232	232	235	235	235	235	228	231	231	244	251	253
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP to ESI PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
5 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA-P to PPL NSP RIn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0
10 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 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
12 GCPD to PPL PwrS LTFirm	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
13 GHPD to GHP PwrS LTFirm	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
14 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
15 Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 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
17 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
18 PGE to PPL PwrS LTFirm	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
19 PPL to BPA-P NSP SOut	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 SCL to POPD PwrS LTFirm	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
24 SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104
25 Total Intra-Regional Transfers	248	248	232	232	235	235	235	235	228	231	231	244	251	253

Intra-Regional Contracts Out

26 Federal Entities	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
27 Investor Owned Utilities	15.8	15.8	14.9	14.5	10.6	10.7	10.9	10.9	10.8	14.3	14.3	14.8	15.2	15.8
28 Marketer	129	129	129	129	129	129	129	129	129	129	129	129	129	129
29 Municipality	63.8	63.8	49.5	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	61.1	67.7	69.0
30 Public Utility District	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
31 Total Regional Contracts Out	248	248	232	232	235	235	235	235	228	231	231	244	251	253

Intra-Regional Contracts In

32 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
33 Investor Owned Utilities	134	134	120	120	127	127	127	127	120	120	120	131	138	139
34 Marketer	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
35 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
36 Public Utility District	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
37 Total Regional Contracts In	248	248	232	232	235	235	235	235	228	231	231	244	251	253

Regional: Intra-Regional Transfers
Operating Year 2027
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW

Aug1 Aug16 Sep Oct Nov Dec Jan Feb Mar Apr1 Apr16 May Jun Jul

Intra-Regional Transfers

Contracts	248	248	232	232	235	235	235	235	228	231	231	244	251	253
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP to ESI PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
5 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA-P to PPL NSP RIn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0
10 BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 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
12 GCPD to PPL PwrS LTFirm	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
13 GHPD to GHP PwrS LTFirm	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
14 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
15 Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 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
17 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
18 PGE to PPL PwrS LTFirm	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
19 PPL to BPA-P NSP SOut	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 SCL to POPD PwrS LTFirm	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
24 SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104
25 Total Intra-Regional Transfers	248	248	232	232	235	235	235	235	228	231	231	244	251	253

Intra-Regional Contracts Out

26 Federal Entities	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
27 Investor Owned Utilities	15.8	15.8	14.9	14.5	10.6	10.7	10.9	10.9	10.8	14.3	14.3	14.8	15.2	15.8
28 Marketer	129	129	129	129	129	129	129	129	129	129	129	129	129	129
29 Municipality	63.8	63.8	49.5	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	61.1	67.7	69.0
30 Public Utility District	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
31 Total Regional Contracts Out	248	248	232	232	235	235	235	235	228	231	231	244	251	253

Intra-Regional Contracts In

32 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
33 Investor Owned Utilities	134	134	120	120	127	127	127	127	120	120	120	131	138	139
34 Marketer	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
35 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
36 Public Utility District	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
37 Total Regional Contracts In	248	248	232	232	235	235	235	235	228	231	231	244	251	253

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***Exhibit 5
Regional Small Hydro***

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

Regional: Small Hydro
Operating Year 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Small Hydro														
1 Albany-Millersburg Hydroelectric	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2 Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31
4 Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
6 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13
8 Big Elk Creek YMCA Camp	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqq's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11 Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15 Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19 Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20 Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21 Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22 Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68
26 Calligan Creek	2.00	2.00	2.00	2.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	2.00
27 Canyon Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
28 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09
29 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
31 C-Drop Hydro	1.10	1.10	1.10	0	0	0	0	0	0	1.10	1.10	1.10	1.10	1.10
32 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30
33 Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09
34 Cereghino	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
35 Chester Hydroelectric Plant	0.20	0.20	0.68	0.58	0.36	0.54	0.53	0.72	0.50	0.70	0.70	1.07	1.14	0.80
36 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43
37 Company Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
38 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
40 Crystal Springs	2.10	2.10	2.44	2.36	2.44	0.84	0.84	0.93	1.30	1.34	1.34	1.30	2.17	2.10
41 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18
42 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01
43 Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
44 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
46 Denny Creek	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
47 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52
48 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
49 Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
50 Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51 Ebey Hill (Kevin Duncan)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
52 Elk Creek	1.94	1.94	0.02	0.02	0.02	0.16	0.16	0.17	1.63	1.68	1.68	1.63	2.00	1.94
53 Etopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20
54 Esquatzel Small Hydro	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
55 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0
56 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
57 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08
58 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45

Regional: Small Hydro
Operating Year 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27
60 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82
61 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23
62 Flying W	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
63 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10
64 Forgy	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
65 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54
66 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97
67 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0
68 Gillihan	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
69 Ground Water Pumping Station	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
70 Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
71 Hancock Creek	0	0	0	0	0	0	6.00	6.00	6.00	6.00	6.00	6.00	6.00	3.00
72 Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
73 Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97
74 Hettinger	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
75 Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22
76 Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
77 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
78 James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20
79 Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36
80 John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20
81 Juniper Ridge Hydro	3.37	3.37	3.37	3.37	0	0	0	0	0	3.37	3.37	3.37	3.37	3.37
82 Kasel-Witherspoon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78
83 Kaster Riverview	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
84 Koma Kulshan	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
85 Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94
86 L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27
87 Lacombe	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42
88 Lake Creek (OR)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
89 Lake Oswego	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
90 Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21
91 Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
92 Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05
93 Little Butte Ranch	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
94 Little Mac	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
95 Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94
96 Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73
97 Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
99 Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69
100 Loyd F. Fery Farms	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04
101 LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
102 Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0
103 Macks Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
104 Magic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96
105 Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6
106 Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
107 Meyers Falls	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
108 Meyers Falls 1910	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
109 Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98
110 Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36
111 Mill Creek (Cove Hydro)	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
112 Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61
114 Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
115 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17

Regional: Small Hydro
Operating Year 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123 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
124 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
125 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
126 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
127 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
128 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
129 Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
130 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
131 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 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
133 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
134 Poderosa	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
135 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
136 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
137 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
138 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
139 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
140 Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
141 Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
142 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
143 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
144 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
145 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
146 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
147 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
148 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
149 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
150 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
151 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
152 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
153 Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154 Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
155 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
156 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
157 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
158 Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
159 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
162 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
163 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
164 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
165 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
166 Syqitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 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
168 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
169 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
170 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
171 Twin Falls (WA)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
172 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
173 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
174 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
175 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
176 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70

Regional: Small Hydro
Operating Year 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
177 Weeks Falls	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
178 White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
179 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
180 Whitefish	0.13	0.13	0.16	0.12	0.09	0.09	0.09	0.07	0.08	0.09	0.09	0.11	0.13	0.19
181 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
182 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
183 Wolf Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
184 Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
185 Yakama Drop 2	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
186 Yakama Drop 3	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
187 Youngs Creek	0.07	0.07	0.54	1.65	3.29	2.73	2.92	3.85	6.48	6.44	6.44	2.49	0.56	0.17
188 Zena Creek Ranch	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Total Small Hydro														
189 Cooperative	2.12	2.12	2.52	2.23	1.87	2.17	2.04	2.56	2.58	2.82	2.82	2.91	3.06	3.00
190 Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
191 Investor Owned Utilities	218	218	197	166	154	142	137	146	165	207	208	247	244	231
192 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
193 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
194 Public Utility District	21.7	21.7	19.8	17.8	15.4	14.9	21.1	22.0	32.4	37.7	37.7	36.1	33.9	26.1
195 Total Small Hydro	386	384	313	229	180	168	169	181	219	337	339	460	476	460

Regional: Small Hydro
Operating Year 2019 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Small Hydro														
1 Albany-Millersburg Hydroelectric	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2 Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31
4 Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
6 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13
8 Big Elk Creek YMCA Camp	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqq's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11 Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15 Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19 Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20 Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21 Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22 Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0.06	2.94	2.94	7.01	8.16	8.68	8.26
26 Calligan Creek	2.00	2.00	2.00	2.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	2.00
27 Canyon Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
28 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09
29 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
31 C-Drop Hydro	1.10	1.10	1.10	0	0	0	0	0	0	1.10	1.10	1.10	1.10	1.10
32 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30
33 Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09
34 Cereghino	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
35 Chester Hydroelectric Plant	0.20	0.20	0.68	0.58	0.36	0.54	0.53	0.72	0.50	0.70	0.70	1.07	1.14	0.80
36 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43
37 Company Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
38 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
40 Crystal Springs	2.10	2.10	2.44	2.36	2.44	0.84	0.84	0.93	1.30	1.34	1.34	1.30	2.17	2.10
41 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18
42 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01
43 Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
44 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
46 Denny Creek	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
47 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	3.09	3.09	3.09	4.67	4.67	4.52
48 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
49 Dry Creek	0.94	0.94	1.00	0.80	0.43	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09	0.94
50 Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51 Ebey Hill (Kevin Duncan)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
52 Elk Creek	1.94	1.94	0.02	0.02	0.02	0.16	0.16	0.17	1.63	1.68	1.68	1.63	2.00	1.94
53 Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	1.40	1.40	1.40	2.00	2.00	2.20
54 Esquatzel Small Hydro	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
55 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0
56 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
57 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08
58 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45

Regional: Small Hydro
Operating Year 2019 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27
60 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82
61 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23
62 Flying W	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
63 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10
64 Forgy	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
65 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54
66 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97
67 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0
68 Gillihan	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
69 Ground Water Pumping Station	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
70 Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
71 Hancock Creek	3.00	3.00	3.00	3.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	3.00
72 Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
73 Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97
74 Hettinger	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
75 Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22
76 Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
77 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
78 James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20
79 Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36
80 John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20
81 Juniper Ridge Hydro	3.37	3.37	3.37	3.37	0	0	0	0	0	3.37	3.37	3.37	3.37	3.37
82 Kasel-Witherspoon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78
83 Kaster Riverview	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
84 Koma Kulshan	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
85 Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94
86 L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27
87 Lacombe	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42
88 Lake Creek (OR)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
89 Lake Oswego	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
90 Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21
91 Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
92 Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05
93 Little Butte Ranch	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
94 Little Mac	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
95 Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94
96 Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73
97 Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
99 Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69
100 Loyd F. Fery Farms	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04
101 LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
102 Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0
103 Macks Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
104 Magic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96
105 Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6
106 Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
107 Meyers Falls	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
108 Meyers Falls 1910	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
109 Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98
110 Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36
111 Mill Creek (Cove Hydro)	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
112 Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61
114 Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
115 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17

Regional: Small Hydro
Operating Year 2019 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123 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
124 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
125 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
126 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
127 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
128 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
129 Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
130 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
131 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 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
133 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
134 Poderosa	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
135 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
136 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
137 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
138 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
139 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
140 Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
141 Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
142 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
143 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
144 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
145 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
146 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
147 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
148 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
149 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
150 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
151 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
152 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
153 Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154 Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
155 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
156 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
157 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
158 Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
159 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
162 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
163 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
164 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
165 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
166 Syqitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 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
168 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
169 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
170 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
171 Twin Falls (WA)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
172 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
173 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
174 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
175 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
176 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70

Regional: Small Hydro
Operating Year 2019 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
177 Weeks Falls	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
178 White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
179 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
180 Whitefish	0.13	0.13	0.16	0.12	0.09	0.09	0.09	0.07	0.08	0.09	0.09	0.11	0.13	0.19
181 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
182 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
183 Wolf Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
184 Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
185 Yakama Drop 2	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
186 Yakama Drop 3	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
187 Youngs Creek	0.07	0.07	0.54	1.65	3.29	2.73	2.92	3.85	6.48	6.44	6.44	2.49	0.56	0.17
188 Zena Creek Ranch	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Total Small Hydro														
189 Cooperative	2.12	2.12	2.52	2.23	1.87	2.17	2.04	2.56	2.58	2.82	2.82	2.91	3.06	3.00
190 Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
191 Investor Owned Utilities	218	218	197	166	154	142	137	146	168	207	213	250	244	229
192 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
193 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
194 Public Utility District	24.7	24.7	22.8	20.8	21.4	20.9	21.1	22.0	32.4	37.7	37.7	36.1	33.9	26.1
195 Total Small Hydro	389	387	316	232	186	174	169	181	222	337	343	463	476	458

Regional: Small Hydro
Operating Year 2020 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Small Hydro														
1 Albany-Millersburg Hydroelectric	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2 Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31
4 Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
6 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13
8 Big Elk Creek YMCA Camp	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqq's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11 Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15 Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19 Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20 Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21 Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22 Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Bypass	8.26	6.54	2.82	0.99	0	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68
26 Calligan Creek	2.00	2.00	2.00	2.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	2.00
27 Canyon Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
28 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09
29 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
31 C-Drop Hydro	1.10	1.10	1.10	0	0	0	0	0	0	1.10	1.10	1.10	1.10	1.10
32 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30
33 Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09
34 Cereghino	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
35 Chester Hydroelectric Plant	0.20	0.20	0.68	0.58	0.36	0.54	0.53	0.72	0.50	0.70	0.70	1.07	1.14	0.80
36 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43
37 Company Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
38 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
40 Crystal Springs	2.10	2.10	2.44	2.36	2.44	0.84	0.84	0.93	1.30	1.34	1.34	1.30	2.17	2.10
41 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18
42 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01
43 Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
44 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
46 Denny Creek	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
47 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52
48 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
49 Dry Creek	0.94	1.00	0.80	0.43	0.33	0.27	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
50 Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51 Ebey Hill (Kevin Duncan)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
52 Elk Creek	1.94	1.94	0.02	0.02	0.02	0.16	0.16	0.17	1.63	1.68	1.68	1.63	2.00	1.94
53 Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20
54 Esquatzel Small Hydro	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
55 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0
56 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
57 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08
58 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45

Regional: Small Hydro
Operating Year 2020 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27
60 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82
61 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23
62 Flying W	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
63 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10
64 Forgy	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
65 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54
66 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97
67 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0
68 Gillihan	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
69 Ground Water Pumping Station	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
70 Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
71 Hancock Creek	3.00	3.00	3.00	3.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	3.00
72 Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
73 Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97
74 Hettinger	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
75 Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22
76 Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
77 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
78 James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20
79 Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36
80 John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20
81 Juniper Ridge Hydro	3.37	3.37	3.37	3.37	0	0	0	0	0	3.37	3.37	3.37	3.37	3.37
82 Kasel-Witherspoon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78
83 Kaster Riverview	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
84 Koma Kulshan	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
85 Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94
86 L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27
87 Lacombe	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42
88 Lake Creek (OR)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
89 Lake Oswego	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
90 Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21
91 Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
92 Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05
93 Little Butte Ranch	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
94 Little Mac	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
95 Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94
96 Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73
97 Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
99 Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69
100 Loyd F. Fery Farms	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04
101 LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
102 Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0
103 Macks Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
104 Magic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96
105 Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6
106 Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
107 Meyers Falls	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
108 Meyers Falls 1910	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
109 Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98
110 Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36
111 Mill Creek (Cove Hydro)	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
112 Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61
114 Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
115 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17

Regional: Small Hydro
Operating Year 2020 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123 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
124 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
125 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
126 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
127 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
128 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
129 Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
130 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
131 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 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
133 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
134 Poderosa	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
135 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
136 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
137 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
138 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
139 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
140 Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
141 Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
142 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
143 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
144 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
145 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
146 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
147 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
148 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
149 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
150 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
151 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
152 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
153 Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154 Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
155 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
156 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
157 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
158 Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
159 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
162 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
163 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
164 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
165 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
166 Sygitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 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
168 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
169 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
170 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
171 Twin Falls (WA)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
172 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
173 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
174 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
175 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
176 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70

Regional: Small Hydro
Operating Year 2020 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
177 Weeks Falls	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
178 White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
179 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
180 Whitefish	0.13	0.13	0.16	0.12	0.09	0.09	0.09	0.07	0.08	0.09	0.09	0.11	0.13	0.19
181 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
182 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
183 Wolf Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
184 Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
185 Yakama Drop 2	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
186 Yakama Drop 3	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
187 Youngs Creek	0.07	0.07	0.54	1.65	3.29	2.73	2.92	3.85	6.48	6.44	6.44	2.49	0.56	0.17
188 Zena Creek Ranch	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Total Small Hydro														
189 Cooperative	2.12	2.12	2.52	2.23	1.87	2.17	2.04	2.56	2.58	2.82	2.82	2.91	3.06	3.00
190 Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
191 Investor Owned Utilities	218	216	193	163	153	142	137	146	165	207	208	247	244	231
192 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
193 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
194 Public Utility District	24.7	24.7	22.8	20.8	21.4	20.9	21.1	22.0	32.4	37.7	37.7	36.1	33.9	26.1
195 Total Small Hydro	389	385	312	230	185	174	169	181	219	337	339	460	476	460

Regional: Small Hydro
Operating Year 2021 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Small Hydro														
1 Albany-Millersburg Hydroelectric	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2 Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31
4 Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
6 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13
8 Big Elk Creek YMCA Camp	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqq's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11 Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15 Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19 Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20 Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21 Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22 Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68
26 Calligan Creek	2.00	2.00	2.00	2.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	2.00
27 Canyon Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
28 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09
29 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
31 C-Drop Hydro	1.10	1.10	1.10	0	0	0	0	0	0	1.10	1.10	1.10	1.10	1.10
32 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30
33 Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09
34 Cereghino	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
35 Chester Hydroelectric Plant	0.20	0.20	0.68	0.58	0.36	0.54	0.53	0.72	0.50	0.70	0.70	1.07	1.14	0.80
36 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43
37 Company Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
38 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
40 Crystal Springs	2.10	2.10	2.44	2.36	2.44	0.84	0.84	0.93	1.30	1.34	1.34	1.30	2.17	2.10
41 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18
42 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01
43 Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
44 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
46 Denny Creek	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
47 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	3.09	3.09	3.09	4.67	4.67	4.52
48 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
49 Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
50 Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51 Ebey Hill (Kevin Duncan)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
52 Elk Creek	1.94	1.94	0.02	0.02	0.02	0.16	0.16	0.17	1.63	1.68	1.68	1.63	2.00	1.94
53 Etopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	1.40	1.40	1.40	2.00	2.00	2.20
54 Esquatzel Small Hydro	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
55 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0
56 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
57 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08
58 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45

Regional: Small Hydro
Operating Year 2021 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27
60 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82
61 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23
62 Flying W	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
63 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10
64 Forqy	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
65 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54
66 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97
67 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0
68 Gillihan	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
69 Ground Water Pumping Station	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
70 Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
71 Hancock Creek	3.00	3.00	3.00	3.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	3.00
72 Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
73 Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97
74 Hettinger	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
75 Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22
76 Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
77 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
78 James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20
79 Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36
80 John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20
81 Juniper Ridge Hydro	3.37	3.37	3.37	3.37	0	0	0	0	0	3.37	3.37	3.37	3.37	3.37
82 Kasel-Witherspoon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78
83 Kaster Riverview	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
84 Koma Kulshan	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
85 Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94
86 L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27
87 Lacombe	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42
88 Lake Creek (OR)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
89 Lake Oswego	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
90 Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21
91 Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
92 Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05
93 Little Butte Ranch	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
94 Little Mac	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
95 Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94
96 Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73
97 Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
99 Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69
100 Loyd F. Fery Farms	0.03	0.03	0.04	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.04
101 LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
102 Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0
103 Macks Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
104 Magic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96
105 Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6
106 Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
107 Meyers Falls	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
108 Meyers Falls 1910	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
109 Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98
110 Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36
111 Mill Creek (Cove Hydro)	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
112 Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61
114 Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
115 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17

Regional: Small Hydro
Operating Year 2021 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123 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
124 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
125 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
126 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
127 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
128 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
129 Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
130 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
131 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 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
133 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
134 Poderosa	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
135 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
136 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
137 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
138 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
139 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
140 Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
141 Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
142 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
143 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
144 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
145 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
146 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
147 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
148 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
149 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
150 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
151 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
152 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
153 Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154 Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
155 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
156 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
157 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
158 Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
159 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
162 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
163 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
164 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
165 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
166 Sygitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 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
168 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
169 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
170 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
171 Twin Falls (WA)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
172 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
173 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
174 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
175 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
176 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70

Regional: Small Hydro
Operating Year 2021 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
177 Weeks Falls	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
178 White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
179 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
180 Whitefish	0.13	0.13	0.16	0.12	0.09	0.09	0.09	0.07	0.08	0.09	0.09	0.11	0.13	0.19
181 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
182 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
183 Wolf Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
184 Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
185 Yakama Drop 2	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
186 Yakama Drop 3	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
187 Youngs Creek	0.07	0.07	0.54	1.65	3.29	2.73	2.92	3.85	6.48	6.44	6.44	2.49	0.56	0.17
188 Zena Creek Ranch	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Total Small Hydro														
189 Cooperative	2.12	2.12	2.52	2.23	1.87	2.17	2.04	2.56	2.58	2.82	2.82	2.91	3.06	3.00
190 Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
191 Investor Owned Utilities	218	218	197	166	154	142	137	146	165	207	208	247	244	231
192 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
193 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
194 Public Utility District	24.7	24.7	22.8	20.8	21.4	20.9	21.1	22.0	32.4	37.7	37.7	36.1	33.9	26.1
195 Total Small Hydro	389	387	316	232	186	174	169	181	219	337	339	460	476	460

Regional: Small Hydro
Operating Year 2022 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Small Hydro														
1 Albany-Millersburg Hydroelectric	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2 Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31
4 Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
6 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13
8 Big Elk Creek YMCA Camp	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqq's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11 Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15 Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19 Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20 Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21 Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22 Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68
26 Calligan Creek	2.00	2.00	2.00	2.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	2.00
27 Canyon Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
28 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09
29 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
31 C-Drop Hydro	1.10	1.10	1.10	0	0	0	0	0	0	1.10	1.10	1.10	1.10	1.10
32 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30
33 Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09
34 Cereghino	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
35 Chester Hydroelectric Plant	0.20	0.20	0.68	0.58	0.36	0.54	0.53	0.72	0.50	0.70	0.70	1.07	1.14	0.80
36 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43
37 Company Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
38 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
40 Crystal Springs	2.10	2.10	2.44	2.36	2.44	0.84	0.84	0.93	1.30	1.34	1.34	1.30	2.17	2.10
41 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18
42 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01
43 Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
44 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
46 Denny Creek	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
47 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	3.09	3.09	3.09	4.67	4.67	4.52
48 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
49 Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
50 Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51 Ebey Hill (Kevin Duncan)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
52 Elk Creek	1.94	1.94	0.02	0.02	0.02	0.16	0.16	0.17	1.63	1.68	1.68	1.63	2.00	1.94
53 Etopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	1.40	1.40	1.40	2.00	2.00	2.20
54 Esquatzel Small Hydro	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
55 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0
56 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
57 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08
58 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45

Regional: Small Hydro
Operating Year 2022 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

120Hr-MW	S140-WB-20161121-220001													
	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27
60 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82
61 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23
62 Flying W	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
63 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10
64 Forgy	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
65 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54
66 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97
67 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0
68 Gillihan	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
69 Ground Water Pumping Station	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
70 Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
71 Hancock Creek	3.00	3.00	3.00	3.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	3.00
72 Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
73 Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0.06	2.23	2.23	5.64	6.41	6.97	6.97
74 Hettinger	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
75 Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22
76 Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
77 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
78 James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20
79 Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36
80 John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20
81 Juniper Ridge Hydro	3.37	3.37	3.37	3.37	0	0	0	0	0	3.37	3.37	3.37	3.37	3.37
82 Kasel-Witherspoon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78
83 Kaster Riverview	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
84 Koma Kulshan	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
85 Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94
86 L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27
87 Lacombe	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42
88 Lake Creek (OR)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
89 Lake Oswego	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
90 Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21
91 Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
92 Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05
93 Little Butte Ranch	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
94 Little Mac	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
95 Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94
96 Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73
97 Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
99 Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69
100 Loyd F. Fery Farms	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.04
101 LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
102 Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0
103 Macks Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
104 Magic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96
105 Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6
106 Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
107 Meyers Falls	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
108 Meyers Falls 1910	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
109 Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98
110 Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36
111 Mill Creek (Cove Hydro)	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
112 Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61
114 Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
115 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17

Regional: Small Hydro
Operating Year 2022 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123 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
124 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
125 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
126 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
127 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
128 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
129 Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
130 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
131 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 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
133 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
134 Poderosa	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
135 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
136 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
137 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
138 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
139 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
140 Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
141 Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
142 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
143 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
144 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
145 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
146 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
147 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
148 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
149 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
150 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
151 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
152 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
153 Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154 Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
155 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
156 Sneediqar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
157 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
158 Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
159 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
162 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
163 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
164 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
165 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
166 Syqitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 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
168 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
169 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
170 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
171 Twin Falls (WA)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
172 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
173 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
174 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
175 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
176 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70

Regional: Small Hydro
Operating Year 2022 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
177 Weeks Falls	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
178 White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
179 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
180 Whitefish	0.13	0.13	0.16	0.12	0.09	0.09	0.09	0.07	0.08	0.09	0.09	0.11	0.13	0.19
181 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
182 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
183 Wolf Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
184 Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
185 Yakama Drop 2	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
186 Yakama Drop 3	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
187 Youngs Creek	0.07	0.07	0.54	1.65	3.29	2.73	2.92	3.85	6.48	6.44	6.44	2.49	0.56	0.17
188 Zena Creek Ranch	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Total Small Hydro														
189 Cooperative	2.12	2.12	2.52	2.23	1.87	2.17	2.04	2.56	2.58	2.82	2.82	2.91	3.06	3.00
190 Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
191 Investor Owned Utilities	218	218	197	166	154	142	137	146	165	207	208	247	244	231
192 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
193 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
194 Public Utility District	24.7	24.7	22.8	20.8	21.4	20.9	21.1	22.0	32.4	37.7	37.7	36.1	33.9	26.1
195 Total Small Hydro	389	387	316	232	186	174	169	181	219	337	339	460	476	460

Regional: Small Hydro
Operating Year 2023 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Small Hydro														
1 Albany-Millersburg Hydroelectric	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2 Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31
4 Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
6 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13
8 Big Elk Creek YMCA Camp	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqq's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11 Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15 Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19 Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20 Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21 Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22 Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68
26 Calligan Creek	2.00	2.00	2.00	2.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	2.00
27 Canyon Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
28 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09
29 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
31 C-Drop Hydro	1.10	1.10	1.10	0	0	0	0	0	0	1.10	1.10	1.10	1.10	1.10
32 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30
33 Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09
34 Cereghino	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
35 Chester Hydroelectric Plant	0.20	0.20	0.68	0.58	0.36	0.54	0.53	0.72	0.50	0.70	0.70	1.07	1.14	0.80
36 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43
37 Company Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
38 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
40 Crystal Springs	2.10	2.10	2.44	2.36	2.44	0.84	0.84	0.93	1.30	1.34	1.34	1.30	2.17	2.10
41 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18
42 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01
43 Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
44 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
46 Denny Creek	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
47 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52
48 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
49 Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
50 Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51 Ebey Hill (Kevin Duncan)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
52 Elk Creek	1.94	1.94	0.02	0.02	0.02	0.16	0.16	0.17	1.63	1.68	1.68	1.63	2.00	1.94
53 Etopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20
54 Esquatzel Small Hydro	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
55 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0
56 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
57 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08
58 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45

Regional: Small Hydro
Operating Year 2023 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27
60 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82
61 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23
62 Flying W	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
63 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10
64 Forgy	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
65 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54
66 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97
67 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0
68 Gillihan	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
69 Ground Water Pumping Station	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
70 Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
71 Hancock Creek	3.00	3.00	3.00	3.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	3.00
72 Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
73 Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97
74 Hettinger	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
75 Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22
76 Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
77 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
78 James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20
79 Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36
80 John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20
81 Juniper Ridge Hydro	3.37	3.37	3.37	3.37	0	0	0	0	0	3.37	3.37	3.37	3.37	3.37
82 Kasel-Witherspoon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78
83 Kaster Riverview	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
84 Koma Kulshan	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
85 Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94
86 L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27
87 Lacombe	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42
88 Lake Creek (OR)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
89 Lake Oswego	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
90 Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21
91 Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
92 Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05
93 Little Butte Ranch	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
94 Little Mac	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
95 Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94
96 Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73
97 Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
99 Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69
100 Loyd F. Fery Farms	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.04
101 LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
102 Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0
103 Macks Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
104 Magic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96
105 Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6
106 Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
107 Meyers Falls	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
108 Meyers Falls 1910	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
109 Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98
110 Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36
111 Mill Creek (Cove Hydro)	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
112 Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61
114 Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
115 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17

Regional: Small Hydro
Operating Year 2023 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123 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
124 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
125 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
126 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
127 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
128 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
129 Pancheri	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0.01
130 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
131 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 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
133 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
134 Poderosa	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
135 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
136 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
137 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
138 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
139 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
140 Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
141 Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
142 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
143 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
144 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
145 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
146 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
147 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
148 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
149 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
150 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
151 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
152 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
153 Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154 Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
155 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
156 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
157 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
158 Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
159 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
162 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
163 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
164 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
165 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
166 Sygitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 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
168 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
169 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
170 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
171 Twin Falls (WA)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
172 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
173 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
174 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
175 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
176 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70

Regional: Small Hydro
Operating Year 2023 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
177 Weeks Falls	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
178 White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
179 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
180 Whitefish	0.13	0.13	0.16	0.12	0.09	0.09	0.09	0.07	0.08	0.09	0.09	0.11	0.13	0.19
181 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
182 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
183 Wolf Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
184 Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
185 Yakama Drop 2	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
186 Yakama Drop 3	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
187 Youngs Creek	0.07	0.07	0.54	1.65	3.29	2.73	2.92	3.85	6.48	6.44	6.44	2.49	0.56	0.17
188 Zena Creek Ranch	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Total Small Hydro														
189 Cooperative	2.12	2.12	2.52	2.23	1.87	2.17	2.04	2.56	2.58	2.82	2.82	2.91	3.06	3.00
190 Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
191 Investor Owned Utilities	218	218	197	166	154	142	137	146	165	207	208	247	244	231
192 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
193 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
194 Public Utility District	24.7	24.7	22.8	20.8	21.4	20.9	21.1	22.0	32.4	37.7	37.7	36.1	33.9	26.1
195 Total Small Hydro	389	387	316	232	186	174	169	181	219	337	339	460	475	460

Regional: Small Hydro
Operating Year 2024 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Small Hydro														
1 Albany-Millersburg Hydroelectric	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2 Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31
4 Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
6 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13
8 Big Elk Creek YMCA Camp	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqg's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11 Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0.09	0.09	0.09	0.09	0.09	0.11	0.11
15 Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0.57	0.57	1.61	0.97	0.73	0.73
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19 Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20 Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21 Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22 Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0.06	2.94	2.94	7.01	8.16	8.68	8.68
26 Calligan Creek	2.00	2.00	2.00	2.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	2.00
27 Canyon Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
28 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09
29 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
31 C-Drop Hydro	1.10	1.10	1.10	0	0	0	0	0	0	1.10	1.10	1.10	1.10	1.10
32 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30
33 Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09
34 Cereghino	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
35 Chester Hydroelectric Plant	0.20	0.20	0.68	0.58	0.36	0.54	0.53	0.72	0.50	0.70	0.70	1.07	1.14	0.80
36 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43
37 Company Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
38 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0.80	0.80	0.80	0.80	0.80
40 Crystal Springs	2.10	2.10	2.44	2.36	2.44	0.84	0.84	0.93	1.30	1.34	1.34	1.30	2.17	2.10
41 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18
42 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01
43 Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
44 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0.01	0.01	0.01	0.02	0.03	0.02
46 Denny Creek	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
47 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	3.09	3.09	4.67	4.67	4.52	4.52
48 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
49 Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
50 Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51 Ebey Hill (Kevin Duncan)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
52 Elk Creek	1.94	1.94	0.02	0.02	0.02	0.16	0.16	0.17	1.63	1.68	1.68	1.63	2.00	1.94
53 Etopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	1.40	1.40	2.00	2.00	2.00	2.20
54 Esquatzel Small Hydro	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
55 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0
56 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
57 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08
58 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45

Regional: Small Hydro
Operating Year 2024 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27
60 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82
61 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23
62 Flying W	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
63 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10
64 Forqy	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
65 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54
66 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97
67 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0
68 Gillihan	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
69 Ground Water Pumping Station	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
70 Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
71 Hancock Creek	3.00	3.00	3.00	3.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	3.00
72 Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
73 Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97
74 Hettinger	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
75 Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22
76 Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
77 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
78 James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20
79 Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36
80 John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20
81 Juniper Ridge Hydro	3.37	3.37	3.37	3.37	0	0	0	0	0	3.37	3.37	3.37	3.37	3.37
82 Kasel-Witherspoon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78
83 Kaster Riverview	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
84 Koma Kulshan	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
85 Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94
86 L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27
87 Lacombe	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42
88 Lake Creek (OR)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
89 Lake Oswego	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
90 Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21
91 Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
92 Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05
93 Little Butte Ranch	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
94 Little Mac	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
95 Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94
96 Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73
97 Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
99 Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69
100 Loyd F. Fery Farms	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.04
101 LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
102 Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0
103 Macks Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
104 Magic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96
105 Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6
106 Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
107 Meyers Falls	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
108 Meyers Falls 1910	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
109 Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98
110 Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36
111 Mill Creek (Cove Hydro)	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
112 Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61
114 Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
115 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17

Regional: Small Hydro
Operating Year 2024 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

120Hr-MW	S140-WB-20161121-220001													
	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122 North Fork Spraque	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
123 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
124 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
125 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
126 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
127 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
128 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
129 Pancheri	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0.01
130 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
131 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 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
133 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
134 Poderosa	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
135 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
136 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
137 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
138 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
139 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
140 Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
141 Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
142 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
143 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
144 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
145 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
146 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
147 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
148 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
149 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
150 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
151 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
152 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
153 Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154 Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
155 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
156 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
157 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
158 Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
159 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
162 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
163 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
164 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
165 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
166 Syqitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 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
168 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
169 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0.51	0.51	0.51	0.56	0.51	0.51
170 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
171 Twin Falls (WA)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
172 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
173 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
174 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
175 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
176 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70

Regional: Small Hydro
Operating Year 2024 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
177 Weeks Falls	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
178 White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
179 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
180 Whitefish	0.13	0.13	0.16	0.12	0.09	0.09	0.09	0.07	0.08	0.09	0.09	0.11	0.13	0.19
181 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
182 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
183 Wolf Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
184 Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
185 Yakama Drop 2	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
186 Yakama Drop 3	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
187 Youngs Creek	0.07	0.07	0.54	1.65	3.29	2.73	2.92	3.85	6.48	6.44	6.44	2.49	0.56	0.17
188 Zena Creek Ranch	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Total Small Hydro														
189 Cooperative	2.12	2.12	2.52	2.23	1.87	2.17	2.04	2.56	2.58	2.82	2.82	2.91	3.06	3.00
190 Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
191 Investor Owned Utilities	218	218	197	166	154	142	137	146	165	207	208	247	244	231
192 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
193 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
194 Public Utility District	24.7	24.7	22.8	20.8	21.4	20.9	21.1	22.0	32.4	37.7	37.7	36.1	33.9	26.1
195 Total Small Hydro	389	387	316	232	186	174	169	181	219	337	339	460	475	460

Regional: Small Hydro
Operating Year 2025 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Small Hydro														
1 Albany-Millersburg Hydroelectric	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2 Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31
4 Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
6 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13
8 Big Elk Creek YMCA Camp	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Bigg's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11 Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0.09	0.09	0.09	0.09	0.09	0.11	0.11
15 Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0.57	0.57	1.61	0.97	0.73	
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19 Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20 Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21 Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22 Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0.06	2.94	2.94	7.01	8.16	8.68	
26 Calligan Creek	2.00	2.00	2.00	2.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	2.00
27 Canyon Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
28 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09
29 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
31 C-Drop Hydro	1.10	1.10	1.10	0	0	0	0	0	1.10	1.10	1.10	1.10	1.10	1.10
32 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30
33 Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09
34 Cereghino	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
35 Chester Hydroelectric Plant	0.20	0.20	0.68	0.58	0.36	0.54	0.53	0.72	0.50	0.70	0.70	1.07	1.14	0.80
36 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43
37 Company Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
38 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0.80	0.80	0.80	0.80	
40 Crystal Springs	2.10	2.10	2.44	2.36	2.44	0.84	0.84	0.93	1.30	1.34	1.34	1.30	2.17	2.10
41 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18
42 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01
43 Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
44 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0.01	0.01	0.01	0.02	0.03	0.02
46 Denny Creek	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
47 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	3.09	3.09	4.67	4.67	4.52	
48 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
49 Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
50 Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51 Ebey Hill (Kevin Duncan)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
52 Elk Creek	1.94	1.94	0.02	0.02	0.02	0.16	0.16	0.17	1.63	1.68	1.68	1.63	2.00	1.94
53 Etopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	1.40	1.40	2.00	2.00	2.20	
54 Esquatzel Small Hydro	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
55 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0
56 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
57 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08
58 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45

Regional: Small Hydro
Operating Year 2025 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27
60 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82
61 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23
62 Flying W	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
63 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10
64 Forgy	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
65 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54
66 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97
67 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0
68 Gillihan	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
69 Ground Water Pumping Station	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
70 Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
71 Hancock Creek	3.00	3.00	3.00	3.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	3.00
72 Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
73 Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97
74 Hettinger	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
75 Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22
76 Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
77 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
78 James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20
79 Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36
80 John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20
81 Juniper Ridge Hydro	3.37	3.37	3.37	3.37	0	0	0	0	0	3.37	3.37	3.37	3.37	3.37
82 Kasel-Witherspoon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78
83 Kaster Riverview	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
84 Koma Kulshan	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
85 Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94
86 L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27
87 Lacombe	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42
88 Lake Creek (OR)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
89 Lake Oswego	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
90 Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21
91 Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
92 Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05
93 Little Butte Ranch	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
94 Little Mac	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
95 Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94
96 Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73
97 Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
99 Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69
100 Loyd F. Fery Farms	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.04
101 LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
102 Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0
103 Macks Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
104 Magic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96
105 Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6
106 Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
107 Meyers Falls	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
108 Meyers Falls 1910	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
109 Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98
110 Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36
111 Mill Creek (Cove Hydro)	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
112 Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61
114 Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
115 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17

Regional: Small Hydro
Operating Year 2025 Water Year: 1937
2016 White Book Report Date: 9/20/2016 Continued

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123 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
124 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
125 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
126 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
127 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
128 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
129 Pancheri	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0.01
130 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
131 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 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
133 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
134 Poderosa	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
135 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
136 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
137 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
138 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
139 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
140 Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
141 Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
142 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
143 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
144 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
145 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
146 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
147 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
148 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
149 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
150 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
151 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
152 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
153 Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154 Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
155 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
156 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
157 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
158 Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
159 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
162 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
163 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
164 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
165 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
166 Syqitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 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
168 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
169 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
170 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
171 Twin Falls (WA)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
172 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
173 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
174 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
175 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
176 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70

Regional: Small Hydro
Operating Year 2025 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
177 Weeks Falls	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
178 White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
179 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
180 Whitefish	0.13	0.13	0.16	0.12	0.09	0.09	0.09	0.07	0.08	0.09	0.09	0.11	0.13	0.19
181 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
182 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
183 Wolf Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
184 Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
185 Yakama Drop 2	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
186 Yakama Drop 3	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
187 Youngs Creek	0.07	0.07	0.54	1.65	3.29	2.73	2.92	3.85	6.48	6.44	6.44	2.49	0.56	0.17
188 Zena Creek Ranch	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Total Small Hydro														
189 Cooperative	2.12	2.12	2.52	2.23	1.87	2.17	2.04	2.56	2.58	2.82	2.82	2.91	3.06	3.00
190 Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
191 Investor Owned Utilities	218	218	197	166	154	142	137	146	165	207	208	247	244	231
192 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
193 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
194 Public Utility District	24.7	24.7	22.8	20.8	21.4	20.9	21.1	22.0	32.4	37.7	37.7	36.1	33.9	26.1
195 Total Small Hydro	389	387	316	232	186	174	169	181	219	337	339	460	475	460

Regional: Small Hydro
Operating Year 2026 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Small Hydro														
1 Albany-Millersburg Hydroelectric	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2 Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31
4 Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
6 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13
8 Big Elk Creek YMCA Camp	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqq's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11 Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15 Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19 Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20 Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21 Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22 Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68
26 Calligan Creek	2.00	2.00	2.00	2.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	2.00
27 Canyon Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
28 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09
29 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
31 C-Drop Hydro	1.10	1.10	1.10	0	0	0	0	0	0	1.10	1.10	1.10	1.10	1.10
32 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30
33 Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09
34 Cereghino	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
35 Chester Hydroelectric Plant	0.20	0.20	0.68	0.58	0.36	0.54	0.53	0.72	0.50	0.70	0.70	1.07	1.14	0.80
36 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43
37 Company Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
38 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
40 Crystal Springs	2.10	2.10	2.44	2.36	2.44	0.84	0.84	0.93	1.30	1.34	1.34	1.30	2.17	2.10
41 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18
42 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01
43 Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
44 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
46 Denny Creek	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
47 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	3.09	3.09	3.09	4.67	4.67	4.52
48 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
49 Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
50 Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51 Ebey Hill (Kevin Duncan)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
52 Elk Creek	1.94	1.94	0.02	0.02	0.02	0.16	0.16	0.17	1.63	1.68	1.68	1.63	2.00	1.94
53 Etopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	1.40	1.40	1.40	2.00	2.00	2.20
54 Esquatzel Small Hydro	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
55 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0
56 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
57 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08
58 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45

Regional: Small Hydro
Operating Year 2026 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27
60 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82
61 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23
62 Flying W	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
63 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10
64 Forgy	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
65 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54
66 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97
67 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0
68 Gillihan	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
69 Ground Water Pumping Station	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
70 Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
71 Hancock Creek	3.00	3.00	3.00	3.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	3.00
72 Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
73 Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97
74 Hettinger	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
75 Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22
76 Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
77 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
78 James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20
79 Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36
80 John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20
81 Juniper Ridge Hydro	3.37	3.37	3.37	3.37	0	0	0	0	0	3.37	3.37	3.37	3.37	3.37
82 Kasel-Witherspoon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78
83 Kaster Riverview	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
84 Koma Kulshan	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
85 Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94
86 L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27
87 Lacombe	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42
88 Lake Creek (OR)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
89 Lake Oswego	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
90 Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21
91 Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
92 Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05
93 Little Butte Ranch	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
94 Little Mac	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
95 Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94
96 Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73
97 Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
99 Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69
100 Loyd F. Fery Farms	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.04
101 LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
102 Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0
103 Macks Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
104 Magic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96
105 Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6
106 Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
107 Meyers Falls	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
108 Meyers Falls 1910	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
109 Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98
110 Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36
111 Mill Creek (Cove Hydro)	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
112 Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61
114 Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
115 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17

Regional: Small Hydro
Operating Year 2026 Water Year: 1937
2016 White Book Report Date: 9/20/2016 Continued

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123 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
124 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
125 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
126 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
127 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
128 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
129 Pancheri	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0.01
130 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
131 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 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
133 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
134 Poderosa	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
135 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
136 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
137 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
138 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
139 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
140 Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
141 Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
142 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
143 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
144 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
145 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
146 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
147 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
148 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
149 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
150 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
151 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
152 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
153 Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154 Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
155 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
156 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
157 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
158 Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
159 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
162 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
163 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
164 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
165 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
166 Sygitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 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
168 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
169 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
170 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
171 Twin Falls (WA)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
172 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
173 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
174 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
175 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
176 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70

Regional: Small Hydro
Operating Year 2026 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

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177 Weeks Falls	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
178 White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
179 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
180 Whitefish	0.13	0.13	0.16	0.12	0.09	0.09	0.09	0.07	0.08	0.09	0.09	0.11	0.13	0.19
181 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
182 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
183 Wolf Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
184 Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
185 Yakama Drop 2	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
186 Yakama Drop 3	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
187 Youngs Creek	0.07	0.07	0.54	1.65	3.29	2.73	2.92	3.85	6.48	6.44	6.44	2.49	0.56	0.17
188 Zena Creek Ranch	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Total Small Hydro														
189 Cooperative	2.12	2.12	2.52	2.23	1.87	2.17	2.04	2.56	2.58	2.82	2.82	2.91	3.06	3.00
190 Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
191 Investor Owned Utilities	218	218	197	166	154	142	137	146	165	207	208	247	244	231
192 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
193 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
194 Public Utility District	24.7	24.7	22.8	20.8	21.4	20.9	21.1	22.0	32.4	37.7	37.7	36.1	33.9	26.1
195 Total Small Hydro	389	387	316	232	186	174	169	181	219	337	339	460	475	460

Regional: Small Hydro
Operating Year 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Small Hydro														
1 Albany-Millersburg Hydroelectric	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2 Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
3 Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31
4 Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
5 Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
6 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13
8 Big Elk Creek YMCA Camp	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9 Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10 Biqq's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11 Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12 Birch Creek Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04
13 Birch Creek (Gooding, ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14 Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15 Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16 Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17 Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18 Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19 Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20 Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21 Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22 Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68
26 Calligan Creek	2.00	2.00	2.00	2.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	2.00
27 Canyon Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
28 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09
29 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
31 C-Drop Hydro	1.10	1.10	1.10	0	0	0	0	0	0	1.10	1.10	1.10	1.10	1.10
32 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30
33 Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09
34 Cereghino	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
35 Chester Hydroelectric Plant	0.20	0.20	0.68	0.58	0.36	0.54	0.53	0.72	0.50	0.70	0.70	1.07	1.14	0.80
36 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43
37 Company Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
38 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
40 Crystal Springs	2.10	2.10	2.44	2.36	2.44	0.84	0.84	0.93	1.30	1.34	1.34	1.30	2.17	2.10
41 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18
42 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01
43 Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
44 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
46 Denny Creek	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
47 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52
48 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
49 Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
50 Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51 Ebey Hill (Kevin Duncan)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
52 Elk Creek	1.94	1.94	0.02	0.02	0.02	0.16	0.16	0.17	1.63	1.68	1.68	1.63	2.00	1.94
53 Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20
54 Esquatzel Small Hydro	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
55 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0
56 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
57 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08
58 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45

Regional: Small Hydro
Operating Year 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27
60 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82
61 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23
62 Flying W	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
63 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10
64 Forgy	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
65 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54
66 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97
67 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0
68 Gillihan	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
69 Ground Water Pumping Station	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
70 Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
71 Hancock Creek	3.00	3.00	3.00	3.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	3.00
72 Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
73 Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97
74 Hettinger	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
75 Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22
76 Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
77 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
78 James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20
79 Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36
80 John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20
81 Juniper Ridge Hydro	3.37	3.37	3.37	3.37	0	0	0	0	0	3.37	3.37	3.37	3.37	3.37
82 Kasel-Witherspoon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78
83 Kaster Riverview	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
84 Koma Kulshan	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
85 Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94
86 L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27
87 Lacombe	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42
88 Lake Creek (OR)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
89 Lake Oswego	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
90 Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21
91 Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
92 Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05
93 Little Butte Ranch	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
94 Little Mac	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
95 Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94
96 Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73
97 Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82
98 Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
99 Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69
100 Loyd F. Fery Farms	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.04
101 LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
102 Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0
103 Macks Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
104 Magic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96
105 Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6
106 Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
107 Meyers Falls	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
108 Meyers Falls 1910	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
109 Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98
110 Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36
111 Mill Creek (Cove Hydro)	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
112 Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61
114 Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
115 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17

Regional: Small Hydro
Operating Year 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123 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
124 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
125 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
126 Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
127 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
128 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
129 Pancheri	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0.01
130 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
131 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 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
133 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
134 Poderosa	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
135 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
136 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
137 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
138 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
139 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
140 Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
141 Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
142 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
143 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
144 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
145 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
146 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
147 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
148 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
149 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
150 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
151 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
152 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
153 Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154 Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
155 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
156 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
157 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
158 Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
159 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
162 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
163 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
164 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
165 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
166 Sygitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 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
168 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
169 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
170 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
171 Twin Falls (WA)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
172 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
173 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
174 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
175 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
176 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70

Regional: Small Hydro
Operating Year 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
177 Weeks Falls	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
178 White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
179 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
180 Whitefish	0.13	0.13	0.16	0.12	0.09	0.09	0.09	0.07	0.08	0.09	0.09	0.11	0.13	0.19
181 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
182 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
183 Wolf Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
184 Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
185 Yakama Drop 2	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
186 Yakama Drop 3	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
187 Youngs Creek	0.07	0.07	0.54	1.65	3.29	2.73	2.92	3.85	6.48	6.44	6.44	2.49	0.56	0.17
188 Zena Creek Ranch	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Total Small Hydro														
189 Cooperative	2.12	2.12	2.52	2.23	1.87	2.17	2.04	2.56	2.58	2.82	2.82	2.91	3.06	3.00
190 Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
191 Investor Owned Utilities	218	218	197	166	154	142	137	146	165	207	208	247	244	231
192 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
193 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
194 Public Utility District	24.7	24.7	22.8	20.8	21.4	20.9	21.1	22.0	32.4	37.7	37.7	36.1	33.9	26.1
195 Total Small Hydro	389	387	316	232	186	174	169	181	219	337	339	460	475	460

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Exhibit 6
Regional Combustion Turbines

Monthly Capacity
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional: Combustion Turbine Resources

Operating Year 2018

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Combustion Turbine Resources														
1 Alden Baily	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
2 Basin Creek Project	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
3 Beaver	495	495	502	512	522	529	529	526	522	516	516	509	502	495
4 Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
5 Beaver 8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
6 Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
7 Boulder Park	24.6	24.6	20.5	20.5	20.5	20.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8 Carty Generating Station	430	430	430	430	430	430	430	430	430	430	430	430	430	430
9 Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10 Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11 Encogen	160	160	162	167	172	175	175	173	171	168	168	0	162	160
12 Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13 Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14 Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15 Frederickson CT	266	266	269	273	277	279	280	278	277	275	0	136	269	267
16 Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	0	148	147
17 Fredonia	312	312	317	326	335	341	342	338	334	329	0	161	317	312
18 Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	0	106	208	205
19 Fredonia 3 & 4	106	106	108	112	116	118	118	117	115	113	0	55.4	108	106
20 Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	132	260	257
21 Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22 Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23 Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24 Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25 Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
26 Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
27 Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	0	293	289	286
28 Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29 Olympic View	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-44.0	0	0
31 Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32 Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33 Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34 Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35 River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36 Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37 Stahlbush Island Farms Bioqas	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
38 University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
39 Whitehorn	147	147	149	153	157	160	160	158	157	155	0	152	149	147
Total Combustion Turbine Resources														
40 Investor Owned Utilities	4825	4825	4879	4955	5103	5170	5180	5134	5087	5044	4127	4261	4391	4827
41 Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234
42 Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
43 Public Utility District	398	398	399	401	403	404	405	404	403	402	264	277	399	398
44 Total	6475	6475	6531	6609	6760	6827	6837	6791	6743	6699	5645	5785	6038	6478

Regional: Combustion Turbine Resources

Operating Year 2019

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Combustion Turbine Resources														
1 Alden Baily	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
2 Basin Creek Project	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
3 Beaver	495	495	502	512	522	529	529	526	522	516	516	509	502	495
4 Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
5 Beaver 8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
6 Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
7 Boulder Park	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8 Carty Generating Station	430	430	430	430	430	430	430	430	430	430	430	430	430	430
9 Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10 Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11 Encogen	160	160	162	167	172	175	175	173	171	168	168	0	162	160
12 Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13 Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14 Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15 Frederickson CT	266	266	269	273	277	279	280	278	277	275	0	136	269	267
16 Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	0	148	147
17 Fredonia	312	312	317	326	335	341	342	338	334	329	0	161	317	312
18 Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	0	106	208	205
19 Fredonia 3 & 4	106	106	108	112	116	118	118	117	115	113	0	55.4	108	106
20 Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	132	260	257
21 Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22 Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23 Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24 Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25 Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
26 Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
27 Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	0	293	289	286
28 Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29 Olympic View	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-44.0	0	0
31 Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32 Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33 Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34 Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35 River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36 Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37 Stahlbush Island Farms Bioqas	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
38 University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
39 Whitehorn	147	147	149	153	157	160	160	158	157	155	0	152	149	147
Total Combustion Turbine Resources														
40 Investor Owned Utilities	4825	4825	4883	4959	5107	5174	5180	5134	5087	5044	4127	4261	4391	4827
41 Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234
42 Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
43 Public Utility District	398	398	399	401	403	404	405	404	403	402	264	277	399	398
44 Total	6475	6475	6535	6613	6764	6831	6837	6791	6743	6699	5645	5785	6038	6478

Regional: Combustion Turbine Resources

Operating Year 2020

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Combustion Turbine Resources														
1 Alden Bailly	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
2 Basin Creek Project	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
3 Beaver	495	495	502	512	522	529	529	526	522	516	516	509	502	495
4 Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
5 Beaver 8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
6 Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
7 Boulder Park	24.6	24.6	24.6	22.1	22.1	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8 Carty Generating Station	430	430	430	430	430	430	430	430	430	430	430	430	430	430
9 Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10 Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11 Encogen	160	160	162	167	172	175	175	173	171	168	168	0	162	160
12 Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13 Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14 Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15 Frederickson CT	266	266	269	273	277	279	280	278	277	275	0	136	269	267
16 Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	0	148	147
17 Fredonia	312	312	317	326	335	341	342	338	334	329	0	161	317	312
18 Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	0	106	208	205
19 Fredonia 3 & 4	106	106	108	112	116	118	118	117	115	113	0	55.4	108	106
20 Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	132	260	257
21 Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22 Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23 Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24 Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25 Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
26 Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
27 Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	0	293	289	286
28 Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29 Olympic View	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-44.0	0	0
31 Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32 Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33 Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34 Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35 River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36 Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37 Stahlbush Island Farms Bioqas	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
38 University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
39 Whitehorn	147	147	149	153	157	160	160	158	157	155	0	152	149	147
Total Combustion Turbine Resources														
40 Investor Owned Utilities	4825	4825	4883	4956	5105	5174	5180	5134	5087	5044	4127	4261	4391	4827
41 Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234
42 Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
43 Public Utility District	398	398	399	401	403	404	405	404	403	402	264	277	399	398
44 Total	6475	6475	6535	6611	6761	6831	6837	6791	6743	6699	5645	5785	6038	6478

Regional: Combustion Turbine Resources

Operating Year 2021

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Combustion Turbine Resources														
1 Alden Baily	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
2 Basin Creek Project	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
3 Beaver	495	495	502	512	522	529	529	526	522	516	516	509	502	495
4 Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
5 Beaver 8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
6 Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
7 Boulder Park	24.6	24.6	24.6	22.1	22.1	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8 Carty Generating Station	430	430	430	430	430	430	430	430	430	430	430	430	430	430
9 Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10 Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11 Encogen	160	160	162	167	172	175	175	173	171	168	168	0	162	160
12 Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13 Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14 Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15 Frederickson CT	266	266	269	273	277	279	280	278	277	275	0	136	269	267
16 Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	0	148	147
17 Fredonia	312	312	317	326	335	341	342	338	334	329	0	161	317	312
18 Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	0	106	208	205
19 Fredonia 3 & 4	106	106	108	112	116	118	118	117	115	113	0	55.4	108	106
20 Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	132	260	257
21 Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22 Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23 Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24 Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25 Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
26 Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
27 Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	0	293	289	286
28 Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29 Olympic View	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-44.0	0	0
31 Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32 Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33 Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34 Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35 River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36 Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37 Stahlbush Island Farms Bioqas	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
38 University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
39 Whitehorn	147	147	149	153	157	160	160	158	157	155	0	152	149	147
Total Combustion Turbine Resources														
40 Investor Owned Utilities	4825	4825	4883	4956	5105	5174	5180	5134	5087	5044	4127	4261	4391	4827
41 Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234
42 Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
43 Public Utility District	398	398	399	401	403	404	405	404	403	402	264	277	399	398
44 Total	6475	6475	6535	6611	6761	6831	6837	6791	6743	6699	5645	5785	6038	6478

Regional: Combustion Turbine Resources

Operating Year 2022

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Combustion Turbine Resources														
1 Alden Bailly	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
2 Basin Creek Project	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
3 Beaver	495	495	502	512	522	529	529	526	522	516	516	509	502	495
4 Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
5 Beaver 8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
6 Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
7 Boulder Park	24.6	24.6	24.6	22.1	22.1	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8 Carty Generating Station	430	430	430	430	430	430	430	430	430	430	430	430	430	430
9 Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10 Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11 Encogen	160	160	162	167	172	175	175	173	171	168	168	0	162	160
12 Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13 Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14 Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15 Frederickson CT	266	266	269	273	277	279	280	278	277	275	0	136	269	267
16 Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	0	148	147
17 Fredonia	312	312	317	326	335	341	342	338	334	329	0	161	317	312
18 Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	0	106	208	205
19 Fredonia 3 & 4	106	106	108	112	116	118	118	117	115	113	0	55.4	108	106
20 Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	132	260	257
21 Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22 Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23 Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24 Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25 Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
26 Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
27 Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	0	293	289	286
28 Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29 Olympic View	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-44.0	0	0
31 Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32 Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33 Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34 Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35 River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36 Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37 Stahlbush Island Farms Bioqas	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
38 University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
39 Whitehorn	147	147	149	153	157	160	160	158	157	155	0	152	149	147
Total Combustion Turbine Resources														
40 Investor Owned Utilities	4825	4825	4883	4956	5105	5174	5180	5134	5087	5044	4127	4261	4391	4827
41 Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234
42 Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
43 Public Utility District	398	398	399	401	403	404	405	404	403	402	264	277	399	398
44 Total	6475	6475	6535	6611	6761	6831	6837	6791	6743	6699	5645	5785	6038	6478

Regional: Combustion Turbine Resources

Operating Year 2023

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Combustion Turbine Resources														
1 Alden Baily	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
2 Basin Creek Project	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
3 Beaver	495	495	502	512	522	529	529	526	522	516	516	509	502	495
4 Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
5 Beaver 8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
6 Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
7 Boulder Park	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8 Carty Generating Station	430	430	430	430	430	430	430	430	430	430	430	430	430	430
9 Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10 Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11 Encogen	160	160	162	167	172	175	175	173	171	168	168	0	162	160
12 Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13 Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14 Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15 Frederickson CT	266	266	215	219	222	223	224	222	222	220	0	109	215	213
16 Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	0	148	147
17 Fredonia	312	312	317	326	335	341	342	338	334	329	0	161	317	312
18 Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	0	106	208	205
19 Fredonia 3 & 4	106	106	108	112	116	118	118	117	115	113	0	55.4	108	106
20 Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	132	260	257
21 Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22 Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23 Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24 Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25 Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
26 Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
27 Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	0	293	289	286
28 Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29 Olympic View	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-44.0	0	0
31 Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32 Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33 Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34 Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35 River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36 Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37 Stahlbush Island Farms Bioqas	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
38 University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
39 Whitehorn	147	147	149	153	157	160	160	158	157	155	0	152	149	147
Total Combustion Turbine Resources														
40 Investor Owned Utilities	4825	4825	4883	4959	5107	5174	5180	5134	5087	5044	4127	4261	4391	4827
41 Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234
42 Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
43 Public Utility District	398	398	345	347	348	349	349	348	348	347	264	250	345	345
44 Total	6475	6475	6482	6559	6708	6775	6781	6735	6688	6644	5645	5758	5984	6425

Regional: Combustion Turbine Resources

Operating Year 2024

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Combustion Turbine Resources														
1 Alden Baily	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
2 Basin Creek Project	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
3 Beaver	495	495	502	512	522	529	529	526	522	516	516	509	502	495
4 Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
5 Beaver 8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
6 Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
7 Boulder Park	24.6	24.6	24.6	22.1	22.1	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8 Carty Generating Station	430	430	430	430	430	430	430	430	430	430	430	430	430	430
9 Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10 Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11 Encogen	160	160	162	167	172	175	175	173	171	168	168	0	162	160
12 Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13 Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14 Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15 Frederickson CT	213	213	215	219	222	223	224	222	222	220	0	109	215	213
16 Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	0	148	147
17 Fredonia	312	312	317	326	335	341	342	338	334	329	0	161	317	312
18 Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	0	106	208	205
19 Fredonia 3 & 4	106	106	108	112	116	118	118	117	115	113	0	55.4	108	106
20 Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	132	260	257
21 Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22 Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23 Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24 Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25 Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
26 Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
27 Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	0	293	289	286
28 Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29 Olympic View	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-44.0	0	0
31 Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32 Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33 Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34 Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35 River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36 Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37 Stahlbush Island Farms Bioqas	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
38 University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
39 Whitehorn	147	147	149	153	157	160	160	158	157	155	0	152	149	147
Total Combustion Turbine Resources														
40 Investor Owned Utilities	4825	4825	4883	4956	5105	5174	5180	5134	5087	5044	4127	4261	4391	4827
41 Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234
42 Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
43 Public Utility District	344	344	345	347	348	349	349	348	348	347	264	250	345	345
44 Total	6422	6422	6482	6556	6706	6775	6781	6735	6688	6644	5645	5758	5984	6425

Regional: Combustion Turbine Resources

Operating Year 2025

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Combustion Turbine Resources														
1 Alden Baily	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
2 Basin Creek Project	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
3 Beaver	495	495	502	512	522	529	529	526	522	516	516	509	502	495
4 Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
5 Beaver 8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
6 Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
7 Boulder Park	24.6	24.6	24.6	22.1	22.1	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8 Carty Generating Station	430	430	430	430	430	430	430	430	430	430	430	430	430	430
9 Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10 Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11 Encogen	160	160	162	167	172	175	175	173	171	168	168	0	162	160
12 Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13 Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14 Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15 Frederickson CT	213	213	215	219	222	223	224	222	222	220	0	109	215	213
16 Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	0	148	147
17 Fredonia	312	312	317	326	335	341	342	338	334	329	0	161	317	312
18 Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	0	106	208	205
19 Fredonia 3 & 4	106	106	108	112	116	118	118	117	115	113	0	55.4	108	106
20 Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	132	260	257
21 Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22 Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23 Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24 Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25 Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
26 Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
27 Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	0	293	289	286
28 Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29 Olympic View	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-44.0	0	0
31 Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32 Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33 Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34 Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35 River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36 Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37 Stahlbush Island Farms Bioqas	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
38 University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
39 Whitehorn	147	147	149	153	157	160	160	158	157	155	0	152	149	147
Total Combustion Turbine Resources														
40 Investor Owned Utilities	4825	4825	4883	4956	5105	5174	5180	5134	5087	5044	4127	4261	4391	4827
41 Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234
42 Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
43 Public Utility District	344	344	345	347	348	349	349	348	348	347	264	250	345	345
44 Total	6422	6422	6482	6556	6706	6775	6781	6735	6688	6644	5645	5758	5984	6425

Regional: Combustion Turbine Resources

Operating Year 2026

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Combustion Turbine Resources														
1 Alden Baily	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
2 Basin Creek Project	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
3 Beaver	495	495	502	512	522	529	529	526	522	516	516	509	502	495
4 Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
5 Beaver 8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
6 Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
7 Boulder Park	24.6	24.6	24.6	22.1	22.1	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8 Carty Generating Station	430	430	430	430	430	430	430	430	430	430	430	430	430	430
9 Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10 Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11 Encogen	160	160	162	167	172	175	175	173	171	168	168	0	162	160
12 Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13 Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14 Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15 Frederickson CT	213	213	215	219	222	223	224	222	222	220	0	109	215	213
16 Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	0	148	147
17 Fredonia	312	312	317	326	335	341	342	338	334	329	0	161	317	312
18 Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	0	106	208	205
19 Fredonia 3 & 4	106	106	108	112	116	118	118	117	115	113	0	55.4	108	106
20 Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	132	260	257
21 Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22 Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23 Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24 Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25 Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
26 Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
27 Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	0	293	289	286
28 Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29 Olympic View	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-44.0	0	0
31 Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32 Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33 Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34 Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35 River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36 Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37 Stahlbush Island Farms Bioqas	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
38 University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
39 Whitehorn	147	147	149	153	157	160	160	158	157	155	0	152	149	147
Total Combustion Turbine Resources														
40 Investor Owned Utilities	4825	4825	4883	4956	5105	5174	5180	5134	5087	5044	4127	4261	4391	4827
41 Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234
42 Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
43 Public Utility District	344	344	345	347	348	349	349	348	348	347	264	250	345	345
44 Total	6422	6422	6482	6556	6706	6775	6781	6735	6688	6644	5645	5758	5984	6425

Regional: Combustion Turbine Resources

Operating Year 2027

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Combustion Turbine Resources														
1 Alden Baily	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
2 Basin Creek Project	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
3 Beaver	495	495	502	512	522	529	529	526	522	516	516	509	502	495
4 Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
5 Beaver 8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
6 Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
7 Boulder Park	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8 Carty Generating Station	430	430	430	430	430	430	430	430	430	430	430	430	430	430
9 Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10 Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11 Encogen	160	160	162	167	172	175	175	173	171	168	168	0	162	160
12 Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13 Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14 Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15 Frederickson CT	213	213	215	219	222	223	224	222	222	220	0	109	215	213
16 Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	0	148	147
17 Fredonia	312	312	317	326	335	341	342	338	334	329	0	161	317	312
18 Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	0	106	208	205
19 Fredonia 3 & 4	106	106	108	112	116	118	118	117	115	113	0	55.4	108	106
20 Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	132	260	257
21 Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22 Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23 Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24 Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25 Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
26 Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
27 Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	0	293	289	286
28 Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29 Olympic View	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
30 Pasco Peak Power Plant	0	0	0	0	0	0	0	0	0	0	0	-44.0	0	0
31 Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32 Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33 Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34 Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35 River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36 Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37 Stahlbush Island Farms Bioqas	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
38 University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
39 Whitehorn	147	147	149	153	157	160	160	158	157	155	0	152	149	147
Total Combustion Turbine Resources														
40 Investor Owned Utilities	4825	4825	4883	4959	5107	5174	5180	5134	5087	5044	4127	4261	4391	4827
41 Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234	1234
42 Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
43 Public Utility District	344	344	345	347	348	349	349	348	348	347	264	250	345	345
44 Total	6422	6422	6482	6559	6708	6775	6781	6735	6688	6644	5645	5758	5984	6425

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Exhibit 7
Regional Renewable Resources

Monthly Capacity
Operating Year 2017 to 2026
Using 1937-Water Conditions

Regional: Renewable Resources
Operating Year 2018
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Renewable Resources														
1 3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Baldock Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Bannock County Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
9 Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Benson Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41
13 Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03
17 Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Black Cap Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Boise City Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Camp Reed Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Cedar Hills Landfill	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
28 Clark Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
30 Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
31 Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
32 Cold Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Columbia Ridge Landfill	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
34 Combine Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Combine Hills 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Condon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Condon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Condon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Cowlitz Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Cowlitz Community Solar - Admin Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Cowlitz Community Solar - Operations Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 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
44 Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Domaine Drouhin Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 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
47 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 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
49 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
50 Durbin Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Edaleen Cow Power	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
55 Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2018

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
56 Fairway Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Farm Power Lynden	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 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
59 Farm Power Rexville	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
60 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
61 Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
62 Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
63 Finn Hill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Flathead County Landfill	1.40	1.40	1.40	1.40	1.30	1.30	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.40
65 Foote Creek 1 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Foote Creek 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Foote Creek 4 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Forest Glen Oaks Dairy	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
69 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Fossil Lake Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Goodnoe Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Goshen North (Ridgeline Wind)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Grand View Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Grand View Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Grand View Solar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Grand View Solar 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Grand View Solar 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 Grayland Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81 Grove Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 H.W. Hill Landfill Gas (Roosevelt	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
83 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84 HW Hill Landfill Gas 2	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
85 Hammett Hill Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
90 High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Hopkins Ridge Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Hopkins Ridge 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Hyline Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 Industrial Finishes Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 JC-Biomethane	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
100 Jett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 John Day Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 Josef Stauer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Juniper Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 Kettle Falls (biomass)	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
105 King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Klondike Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 Klondike Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Klondike Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Klondike Wind 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112 Lakeview Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Lakeview Solar 500	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2018

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
115 Leaning Juniper Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116 Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117 Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118 Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Lewandowski Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120 Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 Linden Ranch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122 Little Valley Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123 Livingston Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124 Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125 Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Tucannon River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 LRI/Graham Landfill - BioFuels	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37
128 Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129 Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131 Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Five Pine Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134 North Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135 Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136 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
137 Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Open Range Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143 Outback Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144 Paisley Geothermal	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
145 Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146 PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148 Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
151 Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
152 Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 ProLogis Warehouse Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 ProLogis (SunWay 3) Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155 ProLogis Park PDX East Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156 ProLogis Park PDX Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Prospector Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
159 Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
160 Raft River Geothermal	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30
161 Raft River Geothermal 1	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30
162 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164 Railroad Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165 Rainier Bioogas	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
166 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
168 Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
169 Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172 Salmon Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2018

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
173 Sawtooth Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174 Shepherds Flat Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175 Shepherds Flat - Central (South Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176 Shepherds Flat - North (North Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177 Shepherds Flat - South (Horseshoe Bend)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178 Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
179 Simco Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180 Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 Stateline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182 Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184 Steel Bridge Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
186 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188 Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189 Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
195 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
196 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198 Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Wheat Field Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 White Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Wild Horse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Willow Spring Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Wolverine Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Renewable Resources														
216 Cooperative	9.88	9.88	9.88	9.88	9.58	9.58	9.58	9.58	9.58	9.88	9.88	9.88	9.88	9.88
217 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218 Investor Owned Utilities	118	118	118	119	119	119	107	119	117	117	117	118	117	117
219 Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Municipality	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
221 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Public Utility District	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
223 Total	173	173	173	174	173	174	162	174	172	172	172	173	171	172

Regional: Renewable Resources
Operating Year 2019
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Renewable Resources														
1 3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Baldock Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Bannock County Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
9 Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Benson Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41
13 Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03
17 Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Black Cap Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Boise City Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Camp Reed Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Cedar Hills Landfill	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
28 Clark Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
30 Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
31 Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
32 Cold Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Columbia Ridge Landfill	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
34 Combine Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Condon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Condon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Condon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Cowlitz Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Cowlitz Community Solar - Admin Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Cowlitz Community Solar - Operations Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 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
44 Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Domaine Drouhin Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 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
47 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 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
49 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
50 Durbin Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Edaleen Cow Power	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
55 Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Fairway Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2019

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 Farm Power Lynden	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 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
59 Farm Power Rexville	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
60 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
61 Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
62 Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
63 Finn Hill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Flathead County Landfill	1.40	1.40	1.40	1.40	1.30	1.30	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.40
65 Foote Creek 1 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Foote Creek 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Foote Creek 4 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Forest Glen Oaks Dairy	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
69 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Fossil Lake Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Goodnoe Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Goshen North (Ridgeline Wind)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Grand View Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Grand View Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Grand View Solar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Grand View Solar 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Grand View Solar 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 Grayland Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81 Grove Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 H.W. Hill Landfill Gas (Roosevelt)	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
83 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84 HW Hill Landfill Gas 2	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
85 Hammett Hill Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
90 High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Hopkins Ridge Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Hopkins Ridge 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Hyline Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 Industrial Finishes Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 JC-Biomethane	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
100 Jett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 John Day Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 Josef Stauer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Juniper Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 Kettle Falls (biomass)	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
105 King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Klondike Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 Klondike Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Klondike Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Klondike Wind 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112 Lakeview Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Lakeview Solar 500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Leaning Juniper Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2019

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
116 Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117 Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118 Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Lewandowski Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120 Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 Linden Ranch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122 Little Valley Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123 Livingston Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124 Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125 Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Tucannon River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 LRI/Graham Landfill - BioFuels	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37
128 Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129 Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131 Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Five Pine Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134 North Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135 Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136 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
137 Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Open Range Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143 Outback Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144 Paisley Geothermal	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
145 Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146 PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148 Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
151 Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
152 Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 ProLogis Warehouse Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 ProLogis (SunWay 3) Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155 ProLogis Park PDX East Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156 ProLogis Park PDX Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Prospector Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
159 Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
160 Raft River Geothermal	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30
161 Raft River Geothermal 1	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30
162 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164 Railroad Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165 Rainier Bioqas	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
166 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
168 Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
169 Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172 Salmon Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 Sawtooth Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2019

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
174 Shepherds Flat Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175 Shepherds Flat - Central (South Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176 Shepherds Flat - North (North Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177 Shepherds Flat - South (Horseshoe Bend)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178 Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
179 Simco Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180 Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 Stateline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182 Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184 Steel Bridge Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
186 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188 Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189 Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
195 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
196 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198 Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Wheat Field Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 White Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Wild Horse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Willow Spring Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Wolverine Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Renewable Resources														
216 Cooperative	9.88	9.88	9.88	9.88	9.58	9.58	9.58	9.58	9.58	9.88	9.88	9.88	9.88	9.88
217 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218 Investor Owned Utilities	118	118	118	119	119	119	107	119	117	117	117	118	117	117
219 Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Municipality	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
221 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Public Utility District	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
223 Total	173	173	173	174	173	174	162	174	172	172	172	173	171	172

Regional: Renewable Resources

Operating Year 2020

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Renewable Resources														
1 3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Baldock Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Bannock County Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
9 Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Benson Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41
13 Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03
17 Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Black Cap Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Boise City Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Camp Reed Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Cedar Hills Landfill	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
28 Clark Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
30 Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
31 Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
32 Cold Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Columbia Ridge Landfill	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
34 Combine Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Condon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Condon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Condon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Cowlitz Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Cowlitz Community Solar - Admin Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Cowlitz Community Solar - Operations Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 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
44 Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Domaine Drouhin Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 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
47 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 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
49 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
50 Durbin Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Edaleen Cow Power	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
55 Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Fairway Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2020

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 Farm Power Lynden	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 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
59 Farm Power Rexville	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
60 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
61 Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
62 Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
63 Finn Hill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Flathead County Landfill	1.40	1.40	1.40	1.40	1.30	1.30	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.40
65 Foote Creek 1 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Foote Creek 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Foote Creek 4 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Forest Glen Oaks Dairy	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
69 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Fossil Lake Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Goodnoe Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Goshen North (Ridgeline Wind)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Grand View Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Grand View Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Grand View Solar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Grand View Solar 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Grand View Solar 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 Grayland Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81 Grove Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 H.W. Hill Landfill Gas (Roosevelt)	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
83 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84 HW Hill Landfill Gas 2	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
85 Hammett Hill Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
90 High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Hopkins Ridge Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Hopkins Ridge 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Hyline Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 Industrial Finishes Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 JC-Biomethane	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
100 Jett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 John Day Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 Josef Stauer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Juniper Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 Kettle Falls (biomass)	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
105 King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Klondike Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 Klondike Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Klondike Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Klondike Wind 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112 Lakeview Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Lakeview Solar 500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Leaning Juniper Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2020

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
116 Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117 Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118 Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Lewandowski Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120 Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 Linden Ranch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122 Little Valley Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123 Livingston Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124 Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125 Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Tucannon River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 LRI/Graham Landfill - BioFuels	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37
128 Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129 Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131 Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Five Pine Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134 North Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135 Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136 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
137 Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Open Range Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143 Outback Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144 Paisley Geothermal	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
145 Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146 PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148 Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
151 Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
152 Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 ProLogis Warehouse Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 ProLogis (SunWay 3) Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155 ProLogis Park PDX East Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156 ProLogis Park PDX Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Prospector Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
159 Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
160 Raft River Geothermal	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30
161 Raft River Geothermal 1	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30
162 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164 Railroad Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165 Rainier Bioqas	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
166 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
168 Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
169 Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172 Salmon Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 Sawtooth Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2020

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
174 Shepherds Flat Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175 Shepherds Flat - Central (South Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176 Shepherds Flat - North (North Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177 Shepherds Flat - South (Horseshoe Bend)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178 Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
179 Simco Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180 Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 Stateline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182 Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184 Steel Bridge Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
186 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188 Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189 Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
195 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
196 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198 Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Wheat Field Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 White Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Wild Horse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Willow Spring Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Wolverine Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Renewable Resources														
216 Cooperative	9.88	9.88	9.88	9.88	9.58	9.58	9.58	9.58	9.58	9.88	9.88	9.88	9.88	9.88
217 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218 Investor Owned Utilities	118	118	118	119	119	119	107	119	117	117	117	118	117	117
219 Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Municipality	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
221 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Public Utility District	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
223 Total	173	173	173	174	173	174	162	174	172	172	172	173	171	172

Regional: Renewable Resources

Operating Year 2021

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Renewable Resources														
1 3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Baldock Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Bannock County Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
9 Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Benson Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41
13 Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03
17 Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Black Cap Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Boise City Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Camp Reed Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Cedar Hills Landfill	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
28 Clark Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
30 Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
31 Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
32 Cold Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Columbia Ridge Landfill	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
34 Combine Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Condon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Condon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Condon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Cowlitz Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Cowlitz Community Solar - Admin Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Cowlitz Community Solar - Operations Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 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
44 Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Domaine Drouhin Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 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
47 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 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
49 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
50 Durbin Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Edaleen Cow Power	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
55 Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Fairway Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2021

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 Farm Power Lynden	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 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
59 Farm Power Rexville	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
60 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
61 Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
62 Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
63 Finn Hill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Flathead County Landfill	1.40	1.40	1.40	1.40	1.30	1.30	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.40
65 Foote Creek 1 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Foote Creek 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Foote Creek 4 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Forest Glen Oaks Dairy	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
69 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Fossil Lake Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Goodnoe Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Goshen North (Ridgeline Wind)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Grand View Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Grand View Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Grand View Solar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Grand View Solar 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Grand View Solar 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 Grayland Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81 Grove Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 H.W. Hill Landfill Gas (Roosevelt)	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
83 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84 HW Hill Landfill Gas 2	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
85 Hammett Hill Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
90 High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Hopkins Ridge Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Hopkins Ridge 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Hyline Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 Industrial Finishes Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 JC-Biomethane	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
100 Jett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 John Day Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 Josef Stauer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Juniper Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 Kettle Falls (biomass)	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
105 King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Klondike Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 Klondike Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Klondike Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Klondike Wind 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112 Lakeview Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Lakeview Solar 500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Leaning Juniper Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2021

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
116 Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117 Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118 Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Lewandowski Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120 Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 Linden Ranch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122 Little Valley Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123 Livingston Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124 Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125 Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Tucannon River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 LRI/Graham Landfill - BioFuels	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37
128 Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129 Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131 Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Five Pine Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134 North Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135 Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136 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
137 Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Open Range Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143 Outback Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144 Paisley Geothermal	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
145 Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146 PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148 Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
151 Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
152 Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 ProLogis Warehouse Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 ProLogis (SunWay 3) Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155 ProLogis Park PDX East Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156 ProLogis Park PDX Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Prospector Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
159 Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
160 Raft River Geothermal	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30
161 Raft River Geothermal 1	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30
162 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164 Railroad Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165 Rainier Bioqas	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
166 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
168 Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
169 Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172 Salmon Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 Sawtooth Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2021

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
174 Shepherds Flat Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175 Shepherds Flat - Central (South Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176 Shepherds Flat - North (North Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177 Shepherds Flat - South (Horseshoe Bend)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178 Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
179 Simco Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180 Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 Stateline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182 Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184 Steel Bridge Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
186 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188 Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189 Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
195 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
196 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198 Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Wheat Field Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 White Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Wild Horse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Willow Spring Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Wolverine Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Renewable Resources														
216 Cooperative	9.88	9.88	9.88	9.88	9.58	9.58	9.58	9.58	9.58	9.88	9.88	9.88	9.88	9.88
217 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218 Investor Owned Utilities	118	118	118	119	119	119	107	119	117	117	117	118	117	117
219 Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Municipality	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
221 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Public Utility District	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
223 Total	173	173	173	174	173	174	162	174	172	172	172	173	171	172

Regional: Renewable Resources

Operating Year 2022

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Renewable Resources														
1 3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Baldock Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Bannock County Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
9 Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Benson Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41
13 Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03
17 Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Black Cap Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Boise City Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Camp Reed Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Cedar Hills Landfill	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
28 Clark Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
30 Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
31 Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
32 Cold Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Columbia Ridge Landfill	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
34 Combine Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Condon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Condon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Condon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Cowlitz Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Cowlitz Community Solar - Admin Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Cowlitz Community Solar - Operations Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 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
44 Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Domaine Drouhin Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 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
47 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 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
49 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
50 Durbin Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Edaleen Cow Power	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
55 Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Fairway Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2022

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 Farm Power Lynden	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 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
59 Farm Power Rexville	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
60 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
61 Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
62 Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
63 Finn Hill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Flathead County Landfill	1.40	1.40	1.40	1.40	1.30	1.30	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.40
65 Foote Creek 1 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Foote Creek 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Foote Creek 4 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Forest Glen Oaks Dairy	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
69 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Fossil Lake Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Goodnoe Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Goshen North (Ridgeline Wind)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Grand View Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Grand View Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Grand View Solar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Grand View Solar 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Grand View Solar 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 Grayland Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81 Grove Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 H.W. Hill Landfill Gas (Roosevelt)	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
83 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84 HW Hill Landfill Gas 2	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
85 Hammett Hill Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
90 High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Hopkins Ridge Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Hopkins Ridge 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Hyline Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 Industrial Finishes Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 JC-Biomethane	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
100 Jett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 John Day Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 Josef Stauer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Juniper Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 Kettle Falls (biomass)	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
105 King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Klondike Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 Klondike Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Klondike Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Klondike Wind 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112 Lakeview Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Lakeview Solar 500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Leaning Juniper Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2022

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
116 Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117 Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118 Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Lewandowski Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120 Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 Linden Ranch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122 Little Valley Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123 Livingston Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124 Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125 Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Tucannon River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 LRI/Graham Landfill - BioFuels	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37
128 Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129 Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131 Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Five Pine Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134 North Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135 Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136 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
137 Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Open Range Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143 Outback Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144 Paisley Geothermal	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
145 Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146 PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148 Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
151 Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
152 Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 ProLogis Warehouse Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 ProLogis (SunWay 3) Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155 ProLogis Park PDX East Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156 ProLogis Park PDX Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Prospector Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
159 Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
160 Raft River Geothermal	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30
161 Raft River Geothermal 1	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30
162 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164 Railroad Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165 Rainier Bioqas	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
166 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
168 Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
169 Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172 Salmon Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 Sawtooth Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2022

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
174 Shepherds Flat Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175 Shepherds Flat - Central (South Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176 Shepherds Flat - North (North Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177 Shepherds Flat - South (Horseshoe Bend)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178 Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
179 Simco Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180 Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 Stateline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182 Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184 Steel Bridge Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
186 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188 Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189 Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
195 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
196 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198 Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Wheat Field Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 White Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Wild Horse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Willow Spring Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Wolverine Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Renewable Resources														
216 Cooperative	9.88	9.88	9.88	9.88	9.58	9.58	9.58	9.58	9.58	9.88	9.88	9.88	9.88	9.88
217 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218 Investor Owned Utilities	118	118	118	119	119	119	107	119	117	117	117	118	117	117
219 Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Municipality	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
221 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Public Utility District	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
223 Total	173	173	173	174	173	174	162	174	172	172	172	173	171	172

Regional: Renewable Resources

Operating Year 2023

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Renewable Resources														
1 3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Baldock Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Bannock County Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
9 Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Benson Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41
13 Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03
17 Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Black Cap Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Boise City Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Camp Reed Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Cedar Hills Landfill	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
28 Clark Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
30 Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
31 Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
32 Cold Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Columbia Ridge Landfill	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
34 Combine Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Condon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Condon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Condon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Cowlitz Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Cowlitz Community Solar - Admin Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Cowlitz Community Solar - Operations Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 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
44 Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Domaine Drouhin Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 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
47 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 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
49 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
50 Durbin Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Edaleen Cow Power	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
55 Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Fairway Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2023

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 Farm Power Lynden	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 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
59 Farm Power Rexville	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
60 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
61 Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
62 Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
63 Finn Hill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Flathead County Landfill	1.40	1.40	1.40	1.40	1.30	1.30	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.40
65 Foote Creek 1 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Foote Creek 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Foote Creek 4 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Forest Glen Oaks Dairy	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
69 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Fossil Lake Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Goodnoe Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Goshen North (Ridgeline Wind)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Grand View Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Grand View Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Grand View Solar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Grand View Solar 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Grand View Solar 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 Grayland Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81 Grove Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 H.W. Hill Landfill Gas (Roosevelt)	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
83 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84 HW Hill Landfill Gas 2	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
85 Hammett Hill Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
90 High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Hopkins Ridge Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Hopkins Ridge 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Hyline Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 Industrial Finishes Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 JC-Biomethane	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
100 Jett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 John Day Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 Josef Stauer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Juniper Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 Kettle Falls (biomass)	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
105 King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Klondike Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 Klondike Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Klondike Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Klondike Wind 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112 Lakeview Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Lakeview Solar 500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Leaning Juniper Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2023

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
116 Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117 Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118 Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Lewandowski Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120 Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 Linden Ranch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122 Little Valley Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123 Livingston Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124 Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125 Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Tucannon River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 LRI/Graham Landfill - BioFuels	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37
128 Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129 Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131 Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Five Pine Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134 North Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135 Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136 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
137 Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Open Range Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143 Outback Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144 Paisley Geothermal	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
145 Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146 PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148 Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
151 Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
152 Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 ProLogis Warehouse Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 ProLogis (SunWay 3) Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155 ProLogis Park PDX East Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156 ProLogis Park PDX Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Prospector Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
159 Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
160 Raft River Geothermal	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30
161 Raft River Geothermal 1	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30
162 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164 Railroad Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165 Rainier Bioqas	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
166 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
168 Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
169 Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172 Salmon Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 Sawtooth Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2023

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
174 Shepherds Flat Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175 Shepherds Flat - Central (South Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176 Shepherds Flat - North (North Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177 Shepherds Flat - South (Horseshoe Bend)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178 Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
179 Simco Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180 Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 Stateline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182 Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184 Steel Bridge Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
186 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188 Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189 Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
195 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
196 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198 Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Wheat Field Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 White Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Wild Horse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Willow Spring Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Wolverine Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Renewable Resources														
216 Cooperative	9.88	9.88	9.88	9.88	9.58	9.58	9.58	9.58	9.58	9.88	9.88	9.88	9.88	9.88
217 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218 Investor Owned Utilities	118	118	118	119	119	119	107	119	117	117	117	118	117	117
219 Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Municipality	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
221 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Public Utility District	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
223 Total	173	173	173	174	173	174	162	174	172	172	172	173	171	172

Regional: Renewable Resources

Operating Year 2024

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Renewable Resources														
1 3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Baldock Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Bannock County Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
9 Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Benson Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41
13 Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03
17 Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Black Cap Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Boise City Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Camp Reed Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Cedar Hills Landfill	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
28 Clark Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
30 Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
31 Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
32 Cold Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Columbia Ridge Landfill	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
34 Combine Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Condon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Condon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Condon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Cowlitz Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Cowlitz Community Solar - Admin Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Cowlitz Community Solar - Operations Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 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
44 Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Domaine Drouhin Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 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
47 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 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
49 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
50 Durbin Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Edaleen Cow Power	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
55 Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Fairway Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2024

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 Farm Power Lynden	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 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
59 Farm Power Rexville	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
60 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
61 Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
62 Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
63 Finn Hill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Flathead County Landfill	1.40	1.40	1.40	1.40	1.30	1.30	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.40
65 Foote Creek 1 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Foote Creek 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Foote Creek 4 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Forest Glen Oaks Dairy	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
69 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Fossil Lake Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Goodnoe Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Goshen North (Ridgeline Wind)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Grand View Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Grand View Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Grand View Solar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Grand View Solar 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Grand View Solar 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 Grayland Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81 Grove Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 H.W. Hill Landfill Gas (Roosevelt)	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
83 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84 HW Hill Landfill Gas 2	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
85 Hammett Hill Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
90 High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Hopkins Ridge Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Hopkins Ridge 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Hyline Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 Industrial Finishes Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 JC-Biomethane	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
100 Jett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 John Day Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 Josef Stauer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Juniper Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 Kettle Falls (biomass)	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
105 King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Klondike Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 Klondike Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Klondike Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Klondike Wind 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112 Lakeview Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Lakeview Solar 500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Leaning Juniper Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2024

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
116 Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117 Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118 Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Lewandowski Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120 Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 Linden Ranch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122 Little Valley Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123 Livingston Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124 Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125 Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Tucannon River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 LRI/Graham Landfill - BioFuels	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37
128 Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129 Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131 Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Five Pine Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134 North Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135 Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136 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
137 Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Open Range Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143 Outback Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144 Paisley Geothermal	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
145 Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146 PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148 Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
151 Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
152 Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 ProLogis Warehouse Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 ProLogis (SunWay 3) Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155 ProLogis Park PDX East Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156 ProLogis Park PDX Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Prospector Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
159 Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
160 Raft River Geothermal	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30
161 Raft River Geothermal 1	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30
162 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164 Railroad Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165 Rainier Bioqas	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
166 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
168 Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
169 Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172 Salmon Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 Sawtooth Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2024

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
174 Shepherds Flat Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175 Shepherds Flat - Central (South Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176 Shepherds Flat - North (North Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177 Shepherds Flat - South (Horseshoe Bend)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178 Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
179 Simco Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180 Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 Stateline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182 Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184 Steel Bridge Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
186 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188 Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189 Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
195 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
196 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198 Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Wheat Field Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 White Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Wild Horse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Willow Spring Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Wolverine Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Renewable Resources														
216 Cooperative	9.88	9.88	9.88	9.88	9.58	9.58	9.58	9.58	9.58	9.88	9.88	9.88	9.88	9.88
217 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218 Investor Owned Utilities	118	118	118	119	119	119	107	119	117	117	117	118	117	117
219 Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Municipality	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
221 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Public Utility District	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
223 Total	173	173	173	174	173	174	162	174	172	172	172	173	171	172

Regional: Renewable Resources

Operating Year 2025

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Renewable Resources														
1 3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Baldock Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Bannock County Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
9 Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Benson Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41
13 Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03
17 Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Black Cap Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Boise City Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Camp Reed Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Cedar Hills Landfill	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
28 Clark Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
30 Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
31 Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
32 Cold Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Columbia Ridge Landfill	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
34 Combine Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Condon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Condon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Condon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Cowlitz Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Cowlitz Community Solar - Admin Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Cowlitz Community Solar - Operations Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 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
44 Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Domaine Drouhin Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 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
47 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 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
49 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
50 Durbin Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Edaleen Cow Power	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
55 Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Fairway Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2025

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 Farm Power Lynden	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 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
59 Farm Power Rexville	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
60 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
61 Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
62 Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
63 Finn Hill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Flathead County Landfill	1.40	1.40	1.40	1.40	1.30	1.30	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.40
65 Foote Creek 1 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Foote Creek 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Foote Creek 4 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Forest Glen Oaks Dairy	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
69 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Fossil Lake Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Goodnoe Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Goshen North (Ridgeline Wind)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Grand View Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Grand View Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Grand View Solar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Grand View Solar 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Grand View Solar 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 Grayland Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81 Grove Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 H.W. Hill Landfill Gas (Roosevelt)	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
83 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84 HW Hill Landfill Gas 2	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
85 Hammett Hill Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
90 High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Hopkins Ridge Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Hopkins Ridge 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Hyline Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 Industrial Finishes Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 JC-Biomethane	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
100 Jett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 John Day Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 Josef Stauer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Juniper Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 Kettle Falls (biomass)	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
105 King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Klondike Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 Klondike Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Klondike Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Klondike Wind 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112 Lakeview Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Lakeview Solar 500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Leaning Juniper Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2025

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
116 Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117 Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118 Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Lewandowski Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120 Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 Linden Ranch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122 Little Valley Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123 Livingston Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124 Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125 Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Tucannon River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 LRI/Graham Landfill - BioFuels	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37
128 Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129 Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131 Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Five Pine Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134 North Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135 Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136 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
137 Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Open Range Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143 Outback Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144 Paisley Geothermal	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
145 Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146 PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148 Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
151 Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
152 Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 ProLogis Warehouse Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 ProLogis (SunWay 3) Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155 ProLogis Park PDX East Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156 ProLogis Park PDX Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Prospector Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
159 Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
160 Raft River Geothermal	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30
161 Raft River Geothermal 1	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30
162 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164 Railroad Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165 Rainier Bioqas	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
166 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
168 Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
169 Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172 Salmon Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 Sawtooth Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2025

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
174 Shepherds Flat Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175 Shepherds Flat - Central (South Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176 Shepherds Flat - North (North Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177 Shepherds Flat - South (Horseshoe Bend)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178 Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
179 Simco Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180 Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 Stateline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182 Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184 Steel Bridge Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
186 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188 Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189 Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
195 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
196 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198 Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Wheat Field Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 White Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Wild Horse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Willow Spring Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Wolverine Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Renewable Resources														
216 Cooperative	9.88	9.88	9.88	9.88	9.58	9.58	9.58	9.58	9.58	9.88	9.88	9.88	9.88	9.88
217 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218 Investor Owned Utilities	118	118	118	119	119	119	107	119	117	117	117	118	117	117
219 Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Municipality	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
221 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Public Utility District	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
223 Total	173	173	173	174	173	174	162	174	172	172	172	173	171	172

Regional: Renewable Resources
Operating Year 2026
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Renewable Resources														
1 3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Baldock Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Bannock County Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
9 Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Benson Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41
13 Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03
17 Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Black Cap Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Boise City Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Camp Reed Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Cedar Hills Landfill	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
28 Clark Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
30 Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
31 Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
32 Cold Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Columbia Ridge Landfill	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
34 Combine Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Condon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Condon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Condon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Cowlitz Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Cowlitz Community Solar - Admin Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Cowlitz Community Solar - Operations Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 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
44 Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Domaine Drouhin Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 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
47 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 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
49 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
50 Durbin Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Edaleen Cow Power	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
55 Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Fairway Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2026

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 Farm Power Lynden	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 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
59 Farm Power Rexville	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
60 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
61 Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
62 Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
63 Finn Hill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Flathead County Landfill	1.40	1.40	1.40	1.40	1.30	1.30	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.40
65 Foote Creek 1 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Foote Creek 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Foote Creek 4 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Forest Glen Oaks Dairy	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
69 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Fossil Lake Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Goodnoe Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Goshen North (Ridgeline Wind)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Grand View Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Grand View Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Grand View Solar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Grand View Solar 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Grand View Solar 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 Grayland Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81 Grove Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 H.W. Hill Landfill Gas (Roosevelt)	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
83 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84 HW Hill Landfill Gas 2	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
85 Hammett Hill Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
90 High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Hopkins Ridge Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Hopkins Ridge 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Hyline Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 Industrial Finishes Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 JC-Biomethane	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
100 Jett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 John Day Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 Josef Stauer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Juniper Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 Kettle Falls (biomass)	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
105 King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Klondike Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 Klondike Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Klondike Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Klondike Wind 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112 Lakeview Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Lakeview Solar 500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Leaning Juniper Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2026

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
116 Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117 Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118 Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Lewandowski Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120 Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 Linden Ranch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122 Little Valley Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123 Livingston Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124 Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125 Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Tucannon River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 LRI/Graham Landfill - BioFuels	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37
128 Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129 Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131 Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Five Pine Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134 North Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135 Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136 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
137 Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Open Range Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143 Outback Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144 Paisley Geothermal	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
145 Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146 PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148 Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
151 Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
152 Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 ProLogis Warehouse Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 ProLogis (SunWay 3) Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155 ProLogis Park PDX East Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156 ProLogis Park PDX Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Prospector Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
159 Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
160 Raft River Geothermal	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30
161 Raft River Geothermal 1	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30
162 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164 Railroad Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165 Rainier Bioqas	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
166 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
168 Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
169 Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172 Salmon Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 Sawtooth Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2026

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
174 Shepherds Flat Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175 Shepherds Flat - Central (South Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176 Shepherds Flat - North (North Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177 Shepherds Flat - South (Horseshoe Bend)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178 Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
179 Simco Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180 Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 Stateline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182 Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184 Steel Bridge Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
186 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188 Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189 Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
195 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
196 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198 Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Wheat Field Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 White Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Wild Horse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Willow Spring Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Wolverine Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Renewable Resources														
216 Cooperative	9.88	9.88	9.88	9.88	9.58	9.58	9.58	9.58	9.58	9.88	9.88	9.88	9.88	9.88
217 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218 Investor Owned Utilities	118	118	118	119	119	119	107	119	117	117	117	118	117	117
219 Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Municipality	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
221 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Public Utility District	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
223 Total	173	173	173	174	173	174	162	174	172	172	172	173	171	172

Regional: Renewable Resources

Operating Year 2027

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Renewable Resources														
1 3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Baldock Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Bannock County Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
9 Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Benson Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41
13 Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03
17 Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Black Cap Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Boise City Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Camp Reed Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Cedar Hills Landfill	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
28 Clark Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
30 Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
31 Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
32 Cold Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Columbia Ridge Landfill	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
34 Combine Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Condon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Condon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Condon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Cowlitz Community Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Cowlitz Community Solar - Admin Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Cowlitz Community Solar - Operations Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 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
44 Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Domaine Drouhin Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 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
47 Double B Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 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
49 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
50 Durbin Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Edaleen Cow Power	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
55 Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Fairway Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2027

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 Farm Power Lynden	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 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
59 Farm Power Rexville	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
60 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
61 Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
62 Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
63 Finn Hill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Flathead County Landfill	1.40	1.40	1.40	1.40	1.30	1.30	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.40
65 Foote Creek 1 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Foote Creek 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Foote Creek 4 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Forest Glen Oaks Dairy	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
69 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Fossil Lake Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Goodnoe Hills Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Goshen North (Ridgeline Wind)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Grand View Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Grand View Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Grand View Solar 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Grand View Solar 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Grand View Solar 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 Grayland Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81 Grove Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 H.W. Hill Landfill Gas (Roosevelt)	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
83 HW Hill Landfill Gas 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84 HW Hill Landfill Gas 2	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
85 Hammett Hill Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Healow 2 Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
90 High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Hopkins Ridge Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Hopkins Ridge 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Hyline Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 Industrial Finishes Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 JC-Biomethane	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
100 Jett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 John Day Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 Josef Stauer - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Juniper Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 Kettle Falls (biomass)	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
105 King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Klondike Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 Klondike Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Klondike Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Klondike Wind 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112 Lakeview Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Lakeview Solar 363	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Lakeview Solar 500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Leaning Juniper Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2027

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
116 Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117 Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118 Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Lewandowski Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120 Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 Linden Ranch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122 Little Valley Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123 Livingston Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124 Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125 Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Tucannon River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 LRI/Graham Landfill - BioFuels	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37
128 Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129 Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131 Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132 Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Five Pine Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134 North Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135 Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136 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
137 Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Open Range Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143 Outback Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144 Paisley Geothermal	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
145 Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146 PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148 Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
151 Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
152 Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 ProLogis Warehouse Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 ProLogis (SunWay 3) Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155 ProLogis Park PDX East Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156 ProLogis Park PDX Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Prospector Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
159 Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
160 Raft River Geothermal	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30
161 Raft River Geothermal 1	8.30	8.30	8.30	9.00	9.00	9.00	9.00	9.40	8.50	8.30	8.30	9.00	7.60	8.30
162 Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163 Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164 Railroad Solar Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165 Rainier Bioqas	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
166 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
168 Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
169 Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172 Salmon Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 Sawtooth Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Renewable Resources

Operating Year 2027

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
174 Shepherds Flat Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175 Shepherds Flat - Central (South Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176 Shepherds Flat - North (North Hurlburt)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177 Shepherds Flat - South (Horseshoe Bend)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178 Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
179 Simco Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180 Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 Stateline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182 Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184 Steel Bridge Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
186 Swager Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188 Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189 Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190 Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
195 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
196 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198 Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Wheat Field Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 White Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Wild Horse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Willow Spring Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Wolverine Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Renewable Resources														
216 Cooperative	9.88	9.88	9.88	9.88	9.58	9.58	9.58	9.58	9.58	9.88	9.88	9.88	9.88	9.88
217 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218 Investor Owned Utilities	118	118	118	119	119	119	107	119	117	117	117	118	117	117
219 Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Municipality	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
221 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Public Utility District	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
223 Total	173	173	173	174	173	174	162	174	172	172	172	173	171	172

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Exhibit 8
Regional Cogeneration Resources

Monthly Capacity
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional: Cogeneration Resources
Operating Year 2018
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Cogeneration Resources														
1 Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2 Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3 Cogen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
4 Cogen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
7 Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
8 Evergreen Biopower Cogen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
9 Ferndale Cogeneration Station	271	271	274	279	283	286	287	284	282	280	280	0	274	271
10 Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86
13 Hampton Lumber Mill (Darrington)	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
14 Hermiston Generation Project	472	472	472	472	472	472	472	472	472	472	0	472	472	472
15 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
16 Intenational Paper Energy Center	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
17 Intenational Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
18 Intenational Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
19 InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
20 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
21 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
22 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
24 Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
25 Nippon Paper Cogen (Port Angel)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
26 Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
27 Port Townsend Mill 1	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
28 Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
29 Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
30 Potlatch NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
31 Potlatch Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
32 Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
33 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05
34 SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35 Seneca Sawmill Cogen	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
36 Sierra Pacific - Aberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
37 Sierra Pacific - Burlington	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
38 Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57
39 SP Newsprint cogen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 SP Newsprint cogen 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 SP Newsprint Wood Waste	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Sumas	131	131	133	135	138	139	140	138	137	68.0	68.0	134	133	131
43 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
44 Tacoma Biomass (WestRock)	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
45 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
46 TASC0 - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16
47 TASC0 - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
48 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 Vaaqen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Wah Chang Cogen	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
51 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
52 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
53 Weyerhaeuser Longview	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
54 Weyerhaeuser Longview 2	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
55 Weyerhaeuser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7

**Regional: Cogeneration Resources
Operating Year 2018**

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Cogeneration Resources														
56 Cooperative	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28
57 Direct Service Industry	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
58 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Investor Owned Utilities	1663	1663	1680	1732	1749	1760	1762	1756	1745	1663	1183	1409	1667	1660
60 Marketer	747	747	747	747	747	747	747	747	117	747	747	747	747	747
61 Municipality	123	123	124	126	126	128	129	128	128	128	128	126	124	126
62 Public Utility District	15.7	15.7	16.7	18.7	19.3	20.8	21.5	21.0	21.0	20.5	20.5	19.0	16.6	18.6
63 Total	2610	2610	2629	2684	2703	2717	2720	2714	2072	2619	2139	2363	2616	2613

Regional: Cogeneration Resources
Operating Year 2019
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Cogeneration Resources														
1 Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2 Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3 CoGen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
4 CoGen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
7 Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
8 Evergreen Biopower CoGen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
9 Ferndale Cogeneration Station	271	271	274	279	283	286	287	284	282	280	280	0	274	271
10 Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86
13 Hampton Lumber Mill (Darrington)	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
14 Hermiston Generation Project	472	472	472	472	472	472	472	472	472	0	0	472	472	472
15 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
16 Intenational Paper Energy Centre	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
17 Intenational Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
18 Intenational Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
19 InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
20 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
21 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
22 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
24 Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
25 Nippon Paper CoGen (Port Angel)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
26 Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
27 Port Townsend Mill 1	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
28 Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
29 Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
30 Potlach NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
31 Potlach Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
32 Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
33 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05
34 SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35 Seneca Sawmill CoGen	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
36 Sierra Pacific - Aberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
37 Sierra Pacific - Burlington	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
38 Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57
39 SP Newsprint coGen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 SP Newsprint coGen 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 SP Newsprint Wood Waste	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Sumas	131	131	133	135	138	139	140	138	137	68.0	68.0	134	133	131
43 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
44 Tacoma Biomass (WestRock)	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
45 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
46 TESCO - 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
47 TESCO - 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
48 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Wah Chang CoGen	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
51 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
52 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
53 Weyerhaeuser Longview	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
54 Weyerhaeuser Longview 2	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
55 Weyerhaeuser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7

Regional: Cogeneration Resources

Operating Year 2019

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Cogeneration Resources														
56 Cooperative	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28
57 Direct Service Industry	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
58 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Investor Owned Utilities	1663	1663	1680	1732	1749	1760	1762	1756	1745	1191	1183	1409	1667	1660
60 Marketer	747	747	747	747	747	747	747	747	117	747	747	747	747	747
61 Municipality	123	123	124	126	126	128	129	128	128	128	128	126	124	126
62 Public Utility District	15.7	15.7	16.7	18.7	19.3	20.8	21.5	21.0	21.0	20.5	20.5	19.0	16.6	18.6
63 Total	2610	2610	2629	2684	2703	2717	2720	2714	2072	2147	2139	2363	2616	2613

Regional: Cogeneration Resources

Operating Year 2020

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Cogeneration Resources														
1 Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2 Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3 CoGen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
4 CoGen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
7 Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
8 Evergreen Biopower CoGen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
9 Ferndale Cogeneration Station	271	271	274	279	283	286	287	284	282	280	280	0	274	271
10 Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86
13 Hampton Lumber Mill (Darrington)	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
14 Hermiston Generation Project	472	472	472	472	472	472	472	472	472	472	0	472	472	472
15 Hermiston Power Project	630	630	630	630	630	630	630	630	630	0	630	630	630	630
16 Intenational Paper Energy Cente	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
17 Intenational Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
18 Intenational Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
19 InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
20 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
21 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
22 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
24 Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
25 Nippon Paper CoGen (Port Angel)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
26 Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
27 Port Townsend Mill 1	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
28 Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
29 Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
30 Potlach NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
31 Potlach Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
32 Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
33 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05
34 SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35 Seneca Sawmill CoGen	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
36 Sierra Pacific - Aberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
37 Sierra Pacific - Burlington	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
38 Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57
39 SP Newsprint coGen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 SP Newsprint coGen 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 SP Newsprint Wood Waste	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Sumas	131	131	133	135	138	139	140	138	137	68.0	68.0	134	133	131
43 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
44 Tacoma Biomass (WestRock)	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
45 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
46 TESCO - 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
47 TESCO - 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
48 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Wah Chang CoGen	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
51 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
52 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
53 Weyerhaeuser Longview	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
54 Weyerhaeuser Longview 2	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
55 Weyerhaeuser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7

Regional: Cogeneration Resources

Operating Year 2020

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Cogeneration Resources														
56 Cooperative	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28
57 Direct Service Industry	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
58 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Investor Owned Utilities	1663	1663	1680	1732	1749	1760	1762	1756	1745	1663	1183	1409	1667	1660
60 Marketer	747	747	747	758	758	758	758	758	128	758	758	758	758	758
61 Municipality	123	123	124	115	115	117	118	117	117	117	117	115	113	115
62 Public Utility District	15.7	15.7	16.7	18.7	19.3	20.8	21.5	21.0	21.0	20.5	20.5	19.0	16.6	18.6
63 Total	2610	2610	2629	2684	2703	2717	2720	2714	2072	2619	2139	2363	2616	2613

Regional: Cogeneration Resources

Operating Year 2021

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Cogeneration Resources														
1 Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2 Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3 CoGen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
4 CoGen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
7 Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
8 Evergreen Biopower CoGen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
9 Ferndale Cogeneration Station	271	271	274	279	283	286	287	284	282	280	280	0	274	271
10 Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86
13 Hampton Lumber Mill (Darrington)	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
14 Hermiston Generation Project	472	472	472	472	472	472	472	472	472	472	0	472	472	472
15 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
16 Intenational Paper Energy Cente	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
17 Intenational Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
18 Intenational Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
19 InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
20 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
21 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
22 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
24 Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
25 Nippon Paper CoGen (Port Angel)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
26 Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
27 Port Townsend Mill 1	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
28 Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
29 Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
30 Potlach NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
31 Potlach Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
32 Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
33 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05
34 SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35 Seneca Sawmill CoGen	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
36 Sierra Pacific - Aberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
37 Sierra Pacific - Burlington	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
38 Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57
39 SP Newsprint coGen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 SP Newsprint coGen 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 SP Newsprint Wood Waste	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Sumas	131	131	133	135	138	139	140	138	137	68.0	68.0	134	133	131
43 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
44 Tacoma Biomass (WestRock)	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
45 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
46 TESCO - 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
47 TESCO - 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
48 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Wah Chang CoGen	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
51 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
52 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
53 Weyerhaeuser Longview	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
54 Weyerhaeuser Longview 2	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
55 Weyerhaeuser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7

**Regional: Cogeneration Resources
Operating Year 2021**

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Cogeneration Resources														
56 Cooperative	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28
57 Direct Service Industry	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	66.1	70.0
58 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Investor Owned Utilities	1663	1663	1680	1732	1749	1760	1762	1756	1745	1663	1183	1409	1667	1660
60 Marketer	758	758	758	758	758	758	758	758	128	758	758	758	758	758
61 Municipality	112	112	113	115	115	117	118	117	117	117	117	115	106	106
62 Public Utility District	15.7	15.7	16.7	18.7	19.3	20.8	21.5	21.0	21.0	20.5	20.5	19.0	9.50	9.50
63 Total	2610	2610	2629	2684	2703	2717	2720	2714	2072	2619	2139	2363	2616	2613

Regional: Cogeneration Resources

Operating Year 2022

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Cogeneration Resources														
1 Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2 Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3 CoGen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
4 CoGen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
7 Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
8 Evergreen Biopower CoGen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
9 Ferndale Cogeneration Station	271	271	274	279	283	286	287	284	282	280	280	0	274	271
10 Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86
13 Hampton Lumber Mill (Darrington)	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
14 Hermiston Generation Project	472	472	472	472	472	472	472	472	472	0	0	472	472	472
15 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
16 Intenational Paper Energy Cente	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
17 Intenational Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
18 Intenational Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
19 InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
20 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
21 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
22 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
24 Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
25 Nippon Paper CoGen (Port Angel)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
26 Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
27 Port Townsend Mill 1	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
28 Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
29 Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
30 Potlach NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
31 Potlach Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
32 Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
33 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05
34 SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35 Seneca Sawmill CoGen	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
36 Sierra Pacific - Aberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
37 Sierra Pacific - Burlington	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
38 Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57
39 SP Newsprint coGen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 SP Newsprint coGen 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 SP Newsprint Wood Waste	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Sumas	131	131	133	135	138	139	140	138	137	68.0	68.0	134	133	131
43 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
44 Tacoma Biomass (WestRock)	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
45 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
46 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
47 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
48 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Wah Chang CoGen	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
51 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
52 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
53 Weyerhaeuser Longview	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
54 Weyerhaeuser Longview 2	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
55 Weyerhaeuser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7

Regional: Cogeneration Resources

Operating Year 2022

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Cogeneration Resources														
56 Cooperative	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28
57 Direct Service Industry	64.3	64.3	66.3	70.3	71.5	74.5	75.8	74.9	74.9	73.9	73.9	71.0	66.1	70.0
58 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Investor Owned Utilities	1663	1663	1680	1732	1749	1760	1762	1756	1745	1191	1183	1409	1667	1660
60 Marketer	813	813	813	813	813	813	813	813	183	813	813	813	813	813
61 Municipality	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
62 Public Utility District	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50
63 Total	2610	2610	2629	2684	2703	2717	2720	2714	2072	2147	2139	2363	2616	2613

Regional: Cogeneration Resources

Operating Year 2023

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Cogeneration Resources														
1 Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2 Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3 CoGen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
4 CoGen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
7 Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
8 Evergreen Biopower CoGen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
9 Ferndale Cogeneration Station	271	271	274	279	283	286	287	284	282	280	280	0	274	271
10 Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86
13 Hampton Lumber Mill (Darrington)	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
14 Hermiston Generation Project	472	472	472	472	472	472	472	472	472	472	0	472	472	472
15 Hermiston Power Project	630	630	630	630	630	630	630	630	630	0	630	630	630	630
16 Intenational Paper Energy Cente	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
17 Intenational Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
18 Intenational Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
19 InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
20 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
21 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
22 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
24 Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
25 Nippon Paper CoGen (Port Angel)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
26 Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
27 Port Townsend Mill 1	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
28 Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
29 Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
30 Potlach NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
31 Potlach Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
32 Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
33 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05
34 SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35 Seneca Sawmill CoGen	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
36 Sierra Pacific - Aberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
37 Sierra Pacific - Burlington	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
38 Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57
39 SP Newsprint coGen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 SP Newsprint coGen 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 SP Newsprint Wood Waste	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Sumas	131	131	133	135	138	139	140	138	137	68.0	68.0	134	133	131
43 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
44 Tacoma Biomass (WestRock)	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
45 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
46 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
47 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
48 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Wah Chang CoGen	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
51 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
52 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
53 Weyerhaeuser Longview	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
54 Weyerhaeuser Longview 2	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
55 Weyerhaeuser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7

Regional: Cogeneration Resources

Operating Year 2023

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Cogeneration Resources														
56 Cooperative	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28
57 Direct Service Industry	64.3	64.3	66.3	70.3	71.5	74.5	75.8	74.9	74.9	73.9	73.9	71.0	66.1	70.0
58 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Investor Owned Utilities	1663	1663	1680	1732	1749	1760	1762	1756	1745	1663	1183	1409	1667	1660
60 Marketer	813	813	813	813	813	813	813	813	183	813	813	813	813	813
61 Municipality	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
62 Public Utility District	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50
63 Total	2610	2610	2629	2684	2703	2717	2720	2714	2072	2619	2139	2363	2616	2613

Regional: Cogeneration Resources

Operating Year 2024

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Cogeneration Resources														
1 Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2 Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3 CoGen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
4 CoGen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
7 Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
8 Evergreen Biopower CoGen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
9 Ferndale Cogeneration Station	271	271	274	279	283	286	287	284	282	280	280	0	274	271
10 Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86
13 Hampton Lumber Mill (Darrington)	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
14 Hermiston Generation Project	472	472	472	472	472	472	472	472	472	472	0	472	472	472
15 Hermiston Power Project	630	630	630	630	630	630	630	630	630	0	630	630	630	630
16 Intenational Paper Energy Centre	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
17 Intenational Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
18 Intenational Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
19 InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
20 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
21 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
22 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
24 Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
25 Nippon Paper CoGen (Port Angel)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
26 Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
27 Port Townsend Mill 1	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
28 Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
29 Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
30 Potlach NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
31 Potlach Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
32 Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
33 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05
34 SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35 Seneca Sawmill CoGen	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
36 Sierra Pacific - Aberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
37 Sierra Pacific - Burlington	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
38 Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57
39 SP Newsprint cogen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 SP Newsprint cogen 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 SP Newsprint Wood Waste	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Sumas	131	131	133	135	138	139	140	138	137	68.0	68.0	134	133	131
43 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
44 Tacoma Biomass (WestRock)	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
45 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
46 TASC0 - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16
47 TASC0 - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
48 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 Vaaqen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Wah Chang CoGen	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
51 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
52 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
53 Weyerhaeuser Longview	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
54 Weyerhaeuser Longview 2	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
55 Weyerhaeuser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7

**Regional: Cogeneration Resources
Operating Year 2024**

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Cogeneration Resources														
56 Cooperative	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28
57 Direct Service Industry	64.3	64.3	66.3	70.3	71.5	74.5	75.8	74.9	74.9	73.9	73.9	71.0	66.1	70.0
58 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Investor Owned Utilities	1663	1663	1680	1732	1749	1760	1762	1756	1745	1663	1183	1409	1667	1660
60 Marketer	813	813	813	813	813	813	813	813	183	813	813	813	813	813
61 Municipality	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
62 Public Utility District	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50
63 Total	2610	2610	2629	2684	2703	2717	2720	2714	2072	2619	2139	2363	2616	2613

Regional: Cogeneration Resources

Operating Year 2025

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Cogeneration Resources														
1 Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2 Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3 CoGen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
4 CoGen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
7 Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
8 Evergreen Biopower CoGen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
9 Ferndale Cogeneration Station	271	271	274	279	283	286	287	284	282	280	280	0	274	271
10 Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86
13 Hampton Lumber Mill (Darrington)	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
14 Hermiston Generation Project	472	472	472	472	472	472	472	472	472	0	0	472	472	472
15 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
16 Intenational Paper Energy Cente	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
17 Intenational Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
18 Intenational Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
19 InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
20 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
21 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
22 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
24 Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
25 Nippon Paper CoGen (Port Angel)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
26 Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
27 Port Townsend Mill 1	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
28 Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
29 Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
30 Potlach NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
31 Potlach Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
32 Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
33 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05
34 SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35 Seneca Sawmill CoGen	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
36 Sierra Pacific - Aberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
37 Sierra Pacific - Burlington	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
38 Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57
39 SP Newsprint coGen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 SP Newsprint coGen 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 SP Newsprint Wood Waste	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Sumas	131	131	133	135	138	139	140	138	137	68.0	68.0	134	133	131
43 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
44 Tacoma Biomass (WestRock)	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
45 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
46 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
47 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
48 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Wah Chang CoGen	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
51 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
52 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
53 Weyerhaeuser Longview	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
54 Weyerhaeuser Longview 2	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
55 Weyerhaeuser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7

Regional: Cogeneration Resources

Operating Year 2025

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Cogeneration Resources														
56 Cooperative	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28
57 Direct Service Industry	64.3	64.3	66.3	70.3	71.5	74.5	75.8	74.9	74.9	73.9	73.9	71.0	66.1	70.0
58 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Investor Owned Utilities	1663	1663	1680	1732	1749	1760	1762	1756	1745	1191	1183	1409	1667	1660
60 Marketer	813	813	813	813	813	813	813	813	183	813	813	813	813	813
61 Municipality	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
62 Public Utility District	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50
63 Total	2610	2610	2629	2684	2703	2717	2720	2714	2072	2147	2139	2363	2616	2613

Regional: Cogeneration Resources

Operating Year 2026

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Cogeneration Resources														
1 Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2 Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3 CoGen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
4 CoGen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
7 Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
8 Evergreen Biopower CoGen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
9 Ferndale Cogeneration Station	271	271	274	279	283	286	287	284	282	280	280	0	274	271
10 Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86
13 Hampton Lumber Mill (Darrington)	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
14 Hermiston Generation Project	472	472	472	472	472	472	472	472	472	472	0	472	472	472
15 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
16 Intenational Paper Energy Cente	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
17 Intenational Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
18 Intenational Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
19 InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
20 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
21 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
22 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
24 Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
25 Nippon Paper CoGen (Port Angel)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
26 Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
27 Port Townsend Mill 1	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
28 Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
29 Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
30 Potlach NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
31 Potlach Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
32 Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
33 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05
34 SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35 Seneca Sawmill CoGen	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
36 Sierra Pacific - Aberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
37 Sierra Pacific - Burlington	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
38 Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57
39 SP Newsprint coGen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 SP Newsprint coGen 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 SP Newsprint Wood Waste	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Sumas	131	131	133	135	138	139	140	138	137	68.0	68.0	134	133	131
43 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
44 Tacoma Biomass (WestRock)	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
45 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
46 TESCO - 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
47 TESCO - 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
48 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Wah Chang CoGen	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
51 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
52 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
53 Weyerhaeuser Longview	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
54 Weyerhaeuser Longview 2	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
55 Weyerhaeuser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7

Regional: Cogeneration Resources

Operating Year 2026

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Cogeneration Resources														
56 Cooperative	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28
57 Direct Service Industry	64.3	64.3	66.3	70.3	71.5	74.5	75.8	74.9	74.9	73.9	73.9	71.0	66.1	70.0
58 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Investor Owned Utilities	1663	1663	1680	1732	1749	1760	1762	1756	1745	1663	1183	1409	1667	1660
60 Marketer	813	813	813	813	813	813	813	813	183	813	813	813	813	813
61 Municipality	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
62 Public Utility District	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50
63 Total	2610	2610	2629	2684	2703	2717	2720	2714	2072	2619	2139	2363	2616	2613

Regional: Cogeneration Resources

Operating Year 2027

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Cogeneration Resources														
1 Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2 Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3 CoGen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
4 CoGen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
5 Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6 Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
7 Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
8 Evergreen Biopower CoGen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
9 Ferndale Cogeneration Station	271	271	274	279	283	286	287	284	282	280	280	0	274	271
10 Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86
13 Hampton Lumber Mill (Darrington)	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
14 Hermiston Generation Project	472	472	472	472	472	472	472	472	472	472	0	472	472	472
15 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
16 Intenational Paper Energy Cente	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
17 Intenational Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
18 Intenational Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
19 InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
20 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
21 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
22 Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
24 Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
25 Nippon Paper CoGen (Port Angel)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
26 Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
27 Port Townsend Mill 1	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
28 Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
29 Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
30 Potlach NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
31 Potlach Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
32 Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
33 Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05
34 SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35 Seneca Sawmill CoGen	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
36 Sierra Pacific - Aberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
37 Sierra Pacific - Burlington	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
38 Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57
39 SP Newsprint coGen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 SP Newsprint coGen 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 SP Newsprint Wood Waste	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Sumas	131	131	133	135	138	139	140	138	137	68.0	68.0	134	133	131
43 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
44 Tacoma Biomass (WestRock)	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
45 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
46 TESCO - 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
47 TESCO - 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
48 Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Wah Chang CoGen	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
51 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
52 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
53 Weyerhaeuser Longview	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
54 Weyerhaeuser Longview 2	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
55 Weyerhaeuser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7

Regional: Cogeneration Resources

Operating Year 2027

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Cogeneration Resources														
56 Cooperative	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28
57 Direct Service Industry	64.3	64.3	66.3	70.3	71.5	74.5	75.8	74.9	74.9	73.9	73.9	71.0	66.1	70.0
58 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Investor Owned Utilities	1663	1663	1680	1732	1749	1760	1762	1756	1745	1663	1183	1409	1667	1660
60 Marketer	813	813	813	813	813	813	813	813	183	813	813	813	813	813
61 Municipality	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
62 Public Utility District	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50
63 Total	2610	2610	2629	2684	2703	2717	2720	2714	2072	2619	2139	2363	2616	2613

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Exhibit 9
Regional Large Thermal Resources

Monthly Capacity
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional: Large Thermal Resources
Operating Year 2018
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Large Thermal Resources														
1 Boardman	570	570	570	570	570	570	570	570	570	570	570	0	570	570
2 Centralia Complex	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	670	1340	1340
3 Centralia 1	670	670	670	670	670	670	670	670	670	670	670	335	670	670
4 Centralia 2	670	670	670	670	670	670	670	670	670	670	670	335	670	670
5 Colstrip	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1412	1565
6 Colstrip 1	154	154	154	154	154	154	154	154	154	154	154	154	0	154
7 Colstrip 2	154	154	154	154	154	154	154	154	154	154	154	154	154	154
8 Colstrip 3	518	518	518	518	518	518	518	518	518	518	518	518	518	518
9 Colstrip 4	740	740	740	740	740	740	740	740	740	740	740	740	740	740
10 Columbia Generating Station	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
11 Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12 Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13 Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14 Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15 Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16 Valmy	261	261	261	261	261	261	261	261	261	261	261	261	261	261
17 North Valmy 1	127	127	127	127	127	127	127	127	127	127	127	127	127	127
18 North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
Total Large Thermal Resources														
19 Federal Entities	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
20 Investor Owned Utilities	4895	4895	4895	4895	4895	4895	4895	4895	4895	4895	4895	4135	4742	4895
21 Marketer	960	960	960	960	960	960	960	960	960	960	960	480	960	960
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Total	6984	6984	6991	6992	6996	6994	7000	6998	6999	6994	6994	5755	6837	6986

Regional: Large Thermal Resources
Operating Year 2019
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

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

Regional: Large Thermal Resources
Operating Year 2020
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

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

Regional: Large Thermal Resources
Operating Year 2021
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Large Thermal Resources														
1 Boardman	570	570	570	570	570	570	0	0	0	0	0	-570	0	0
2 Centralia Complex	1340	1340	1340	1340	1340	670	670	670	670	670	670	335	670	670
3 Centralia 1	670	670	670	670	670	0	0	0	0	0	0	0	0	0
4 Centralia 2	670	670	670	670	670	670	670	670	670	670	670	335	670	670
5 Colstrip	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1412	1565
6 Colstrip 1	154	154	154	154	154	154	154	154	154	154	154	154	0	154
7 Colstrip 2	154	154	154	154	154	154	154	154	154	154	154	154	154	154
8 Colstrip 3	518	518	518	518	518	518	518	518	518	518	518	518	518	518
9 Colstrip 4	740	740	740	740	740	740	740	740	740	740	740	740	740	740
10 Columbia Generating Station	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
11 Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12 Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13 Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14 Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15 Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16 Valmy	261	261	261	261	261	261	261	261	261	261	261	261	261	261
17 North Valmy 1	127	127	127	127	127	127	127	127	127	127	127	127	127	127
18 North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
Total Large Thermal Resources														
19 Federal Entities	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
20 Investor Owned Utilities	4895	4895	4895	4895	4895	4895	4325	4325	4325	4325	4325	3565	4172	4325
21 Marketer	960	960	960	960	960	290	290	290	290	290	290	145	290	290
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Total	6984	6984	6991	6992	6996	6324	5760	5758	5759	5754	5754	4850	4462	5746

Regional: Large Thermal Resources
Operating Year 2022
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Large Thermal Resources														
1 Boardman	0	0	0	0	0	0	0	0	0	0	0	-570	0	0
2 Centralia Complex	670	670	670	670	670	670	670	670	670	335	335	670	670	670
3 Centralia 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Centralia 2	670	670	670	670	670	670	670	670	670	335	335	670	670	670
5 Colstrip	1565	1565	1565	1565	1565	1565	1565	1565	1565	825	825	1565	1565	1258
6 Colstrip 1	154	154	154	154	154	154	154	154	154	154	154	154	154	0
7 Colstrip 2	154	154	154	154	154	154	154	154	154	154	154	154	154	0
8 Colstrip 3	518	518	518	518	518	518	518	518	518	518	518	518	518	518
9 Colstrip 4	740	740	740	740	740	740	740	740	740	0	0	740	740	740
10 Columbia Generating Station	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
11 Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12 Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13 Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14 Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15 Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16 Valmy	261	261	261	261	261	261	134	134	134	134	134	134	134	134
17 North Valmy 1	127	127	127	127	127	127	0	0	0	0	0	0	0	0
18 North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
Total Large Thermal Resources														
19 Federal Entities	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
20 Investor Owned Utilities	4325	4325	4325	4325	4325	4325	4198	4198	4198	3268	3268	3628	4198	3891
21 Marketer	290	290	290	290	290	290	290	290	290	145	145	290	290	290
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Total	5744	5744	5751	5752	5756	5754	5633	5631	5632	4552	4552	5058	5624	5312

Regional: Large Thermal Resources
Operating Year 2023
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Large Thermal Resources														
1 Boardman	0	0	0	0	0	0	0	0	0	0	0	-570	0	0
2 Centralia Complex	670	670	670	670	670	670	670	670	670	335	335	670	670	670
3 Centralia 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Centralia 2	670	670	670	670	670	670	670	670	670	335	335	670	670	670
5 Colstrip	1258	1258	1258	1258	1258	1258	1258	1258	1258	740	1258	1258	1258	1258
6 Colstrip 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Colstrip 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Colstrip 3	518	518	518	518	518	518	518	518	518	0	518	518	518	518
9 Colstrip 4	740	740	740	740	740	740	740	740	740	740	740	740	740	740
10 Columbia Generating Station	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
11 Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12 Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13 Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14 Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15 Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16 Valmy	134	134	134	134	134	134	134	134	134	134	134	134	134	134
17 North Valmy 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
Total Large Thermal Resources														
19 Federal Entities	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
20 Investor Owned Utilities	3891	3891	3891	3891	3891	3891	3891	3891	3891	3183	3701	3321	3891	3891
21 Marketer	290	290	290	290	290	290	290	290	290	145	145	290	290	290
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Total	5310	5310	5317	5318	5322	5320	5326	5324	5325	4467	4985	4751	4182	5312

Regional: Large Thermal Resources
Operating Year 2024
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Large Thermal Resources														
1 Boardman	0	0	0	0	0	0	0	0	0	0	0	-570	0	0
2 Centralia Complex	670	670	670	670	670	670	670	670	670	670	670	335	670	670
3 Centralia 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Centralia 2	670	670	670	670	670	670	670	670	670	670	670	335	670	670
5 Colstrip	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258
6 Colstrip 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Colstrip 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Colstrip 3	518	518	518	518	518	518	518	518	518	518	518	518	518	518
9 Colstrip 4	740	740	740	740	740	740	740	740	740	740	740	740	740	740
10 Columbia Generating Station	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
11 Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12 Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13 Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14 Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15 Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16 Valmy	134	134	134	134	134	134	134	134	134	134	134	134	134	134
17 North Valmy 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
Total Large Thermal Resources														
19 Federal Entities	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
20 Investor Owned Utilities	3891	3891	3891	3891	3891	3891	3891	3891	3891	3891	3891	3131	3891	3891
21 Marketer	290	290	290	290	290	290	290	290	290	290	290	145	290	290
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Total	5310	5310	5317	5318	5322	5320	5326	5324	5325	5320	5320	4416	5317	5312

Regional: Large Thermal Resources
Operating Year 2025
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Large Thermal Resources														
1 Boardman	0	0	0	0	0	0	0	0	0	0	0	-570	0	0
2 Centralia Complex	670	670	670	670	670	670	670	670	670	670	670	335	670	670
3 Centralia 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Centralia 2	670	670	670	670	670	670	670	670	670	670	670	335	670	670
5 Colstrip	1258	1258	1258	1258	1258	1258	1258	1258	1258	518	518	1258	1258	1258
6 Colstrip 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Colstrip 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Colstrip 3	518	518	518	518	518	518	518	518	518	518	518	518	518	518
9 Colstrip 4	740	740	740	740	740	740	740	740	740	0	0	740	740	740
10 Columbia Generating Station	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
11 Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12 Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13 Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14 Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15 Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16 Valmy	134	134	134	134	134	134	134	134	134	134	134	134	134	134
17 North Valmy 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
Total Large Thermal Resources														
19 Federal Entities	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
20 Investor Owned Utilities	3891	3891	3891	3891	3891	3891	3891	3891	3891	3151	3151	3131	3891	3891
21 Marketer	290	290	290	290	290	290	290	290	290	290	290	145	290	290
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Total	5310	5310	5317	5318	5322	5320	5326	5324	5325	4580	4580	4416	4182	5312

Regional: Large Thermal Resources
Operating Year 2026
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Large Thermal Resources														
1 Boardman	0	0	0	0	0	0	0	0	0	0	0	-570	0	0
2 Centralia Complex	670	670	670	670	670	0	0	0	0	0	0	0	0	0
3 Centralia 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Centralia 2	670	670	670	670	670	0	0	0	0	0	0	0	0	0
5 Colstrip	1258	1258	1258	1258	1258	1258	1258	1258	1258	740	1258	1258	1258	1258
6 Colstrip 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Colstrip 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Colstrip 3	518	518	518	518	518	518	518	518	518	0	518	518	518	518
9 Colstrip 4	740	740	740	740	740	740	740	740	740	740	740	740	740	740
10 Columbia Generating Station	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
11 Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12 Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13 Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14 Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15 Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16 Valmy	134	134	134	134	134	134	0	0	0	0	0	0	0	0
17 North Valmy 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 North Valmy 2	134	134	134	134	134	134	0	0	0	0	0	0	0	0
Total Large Thermal Resources														
19 Federal Entities	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
20 Investor Owned Utilities	3891	3891	3891	3891	3891	3512	3378	3378	3378	2860	3378	2808	3378	3378
21 Marketer	290	290	290	290	290	0	0	0	0	0	0	0	0	0
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Total	5310	5310	5317	5318	5322	4650	4522	4520	4521	3998	4516	3947	4513	4508

Regional: Large Thermal Resources
Operating Year 2027
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Large Thermal Resources														
1 Boardman	0	0	0	0	0	0	0	0	0	0	0	-570	0	0
2 Centralia Complex	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Centralia 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Centralia 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Colstrip	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258	1258
6 Colstrip 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Colstrip 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Colstrip 3	518	518	518	518	518	518	518	518	518	518	518	518	518	518
9 Colstrip 4	740	740	740	740	740	740	740	740	740	740	740	740	740	740
10 Columbia Generating Station	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
11 Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12 Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13 Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14 Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15 Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16 Valmy	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 North Valmy 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 North Valmy 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Large Thermal Resources														
19 Federal Entities	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
20 Investor Owned Utilities	3378	3378	3378	3378	3378	3378	3378	3378	3378	3378	3378	2808	3378	3378
21 Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Total	4506	4506	4513	4514	4518	4516	4522	4520	4521	4516	4516	3947	3378	4508

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Exhibit 10
Regional Small Thermal & Miscellaneous

Monthly Capacity
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional: Small Thermal & Miscellaneous

Operating Year 2018

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Small Thermal & Miscellaneous														
1 Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2 Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3 Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4 Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5 Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6 Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7 Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8 Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10 Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
11 Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12 Spokane MSW	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
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
Total Small Thermal & Miscellaneous														
14 Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
15 Investor Owned Utilities	59.4	59.7	58.8	58.9	59.2	60.3	60.7	60.4	59.0	59.1	58.8	61.0	58.8	58.1
16 Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17 Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
18 Total	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5

Regional: Small Thermal & Miscellaneous

Operating Year 2019

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Small Thermal & Miscellaneous														
1 Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2 Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3 Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4 Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5 Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6 Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7 Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8 Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10 Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
11 Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12 Spokane MSW	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
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
Total Small Thermal & Miscellaneous														
14 Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
15 Investor Owned Utilities	59.4	59.7	58.8	58.9	59.2	60.3	60.7	60.4	59.0	59.1	58.8	61.0	58.8	58.1
16 Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17 Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
18 Total	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5

Regional: Small Thermal & Miscellaneous

Operating Year 2020

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Small Thermal & Miscellaneous														
1 Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2 Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3 Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4 Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5 Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6 Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7 Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8 Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10 Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
11 Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12 Spokane MSW	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
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
Total Small Thermal & Miscellaneous														
14 Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
15 Investor Owned Utilities	59.4	59.7	58.8	58.9	59.2	60.3	60.7	60.4	59.0	59.1	58.8	61.0	58.8	58.1
16 Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17 Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
18 Total	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5

Regional: Small Thermal & Miscellaneous

Operating Year 2021

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	
Small Thermal & Miscellaneous															
1 Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	
2 Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	
3 Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	
4 Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
5 Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3	
6 Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	
7 Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	
8 Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
10 Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	
11 Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	
12 Spokane MSW	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	
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	
Total Small Thermal & Miscellaneous															
14 Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	
15 Investor Owned Utilities	59.4	59.7	58.8	58.9	59.2	60.3	60.7	60.4	59.0	59.1	58.8	61.0	58.8	58.1	
16 Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
17 Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	
18 Total	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5	

Regional: Small Thermal & Miscellaneous

Operating Year 2022

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Small Thermal & Miscellaneous														
1 Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2 Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3 Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4 Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5 Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6 Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7 Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8 Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10 Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
11 Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12 Spokane MSW	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
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
Total Small Thermal & Miscellaneous														
14 Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
15 Investor Owned Utilities	59.4	59.7	58.8	58.9	59.2	60.3	60.7	60.4	59.0	59.1	58.8	61.0	58.8	58.1
16 Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17 Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
18 Total	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5

Regional: Small Thermal & Miscellaneous

Operating Year 2023

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	
Small Thermal & Miscellaneous															
1 Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	
2 Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	
3 Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	
4 Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
5 Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3	
6 Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	
7 Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	
8 Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
10 Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	
11 Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	
12 Spokane MSW	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	
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	
Total Small Thermal & Miscellaneous															
14 Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	
15 Investor Owned Utilities	59.4	59.7	58.8	58.9	59.2	60.3	60.7	60.4	59.0	59.1	58.8	61.0	58.8	58.1	
16 Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
17 Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	
18 Total	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5	

Regional: Small Thermal & Miscellaneous

Operating Year 2024

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	
Small Thermal & Miscellaneous															
1 Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	
2 Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	
3 Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	
4 Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
5 Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3	
6 Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	
7 Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	
8 Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
10 Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	
11 Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	
12 Spokane MSW	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	
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	
Total Small Thermal & Miscellaneous															
14 Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	
15 Investor Owned Utilities	59.4	59.7	58.8	58.9	59.2	60.3	60.7	60.4	59.0	59.1	58.8	61.0	58.8	58.1	
16 Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
17 Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	
18 Total	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5	

Regional: Small Thermal & Miscellaneous

Operating Year 2025

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Small Thermal & Miscellaneous														
1 Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2 Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3 Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4 Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5 Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6 Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7 Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8 Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10 Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
11 Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12 Spokane MSW	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
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
Total Small Thermal & Miscellaneous														
14 Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
15 Investor Owned Utilities	59.4	59.7	58.8	58.9	59.2	60.3	60.7	60.4	59.0	59.1	58.8	61.0	58.8	58.1
16 Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17 Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
18 Total	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5

Regional: Small Thermal & Miscellaneous

Operating Year 2026

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	
Small Thermal & Miscellaneous															
1 Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	
2 Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	
3 Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	
4 Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
5 Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3	
6 Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	
7 Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	
8 Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
10 Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	
11 Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	
12 Spokane MSW	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	
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	
Total Small Thermal & Miscellaneous															
14 Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	
15 Investor Owned Utilities	59.4	59.7	58.8	58.9	59.2	60.3	60.7	60.4	59.0	59.1	58.8	61.0	58.8	58.1	
16 Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
17 Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	
18 Total	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5	

Regional: Small Thermal & Miscellaneous

Operating Year 2027

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Small Thermal & Miscellaneous														
1 Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2 Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3 Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4 Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5 Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6 Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7 Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8 Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
9 Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10 Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
11 Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12 Spokane MSW	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
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
Total Small Thermal & Miscellaneous														
14 Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
15 Investor Owned Utilities	59.4	59.7	58.8	58.9	59.2	60.3	60.7	60.4	59.0	59.1	58.8	61.0	58.8	58.1
16 Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17 Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
18 Total	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5

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Exhibit 11
Non-Federal CER Deliveries to BPA

Monthly Capacity
Operating Year 2018 to 2027
Using 1937-Water Conditions

Non-Federal CER Deliveries to BPA
Operating Year: 2018
2016 White Book Report Date: **9/20/2016**

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 CHPD to BPA CEAEA for Rock Island	32.0	32.0	32.0	32.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
2 CHPD to BPA CEAEA for Rocky Reach	66.0	66.0	66.0	66.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
3 DOPD to BPA CEAEA for Wells	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
4 GCPD to BPA CEAEA for Priest Rapids	51.0	51.0	51.0	51.0	51.0	51.0	52.0	52.0	52.0	51.0	51.0	51.0	51.0	51.0
5 GCPD to BPA CEAEA for Wanpum	49.0	49.0	49.0	50.0	50.0	50.0	50.0	50.0	50.0	49.0	49.0	49.0	49.0	49.0
6 Total Imports From PNW	240	240	240	241	239	239	240	240	240	238	238	238	238	238

Non-Federal CER Deliveries to BPA

Operating Year: 2019

2016 White Book Report Date: **9/20/2016**

S140-WB-20161121-220001

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

Non-Federal CER Deliveries to BPA

Operating Year: 2020

2016 White Book Report Date: **9/20/2016**

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 CHPD to BPA CEAEA for Rock Island	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
2 CHPD to BPA CEAEA for Rocky Reach	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
3 DOPD to BPA CEAEA for Wells	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
4 GCPD to BPA CEAEA for Priest Rapids	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
5 GCPD to BPA CEAEA for Wanpum	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
6 Total Imports From PNW	239	239	239	239	239	239	239	239	239	239	239	239	239	239

Non-Federal CER Deliveries to BPA

Operating Year: 2021

2016 White Book Report Date: **9/20/2016**

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 CHPD to BPA CEAEA for Rock Island	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
2 CHPD to BPA CEAEA for Rocky Reach	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
3 DOPD to BPA CEAEA for Wells	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
4 GCPD to BPA CEAEA for Priest Rapids	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
5 GCPD to BPA CEAEA for Wanpum	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
6 Total Imports From PNW	239	239	239	239	239	239	239	239	239	239	239	239	239	239

Non-Federal CER Deliveries to BPA

Operating Year: 2022

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 CHPD to BPA CEAEA for Rock Island	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
2 CHPD to BPA CEAEA for Rocky Reach	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
3 DOPD to BPA CEAEA for Wells	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
4 GCPD to BPA CEAEA for Priest Rapids	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
5 GCPD to BPA CEAEA for Wanpum	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
6 Total Imports From PNW	239	239	239	239	239	239	239	239	239	239	239	239	239	239

Non-Federal CER Deliveries to BPA

Operating Year: 2023

2016 White Book Report Date: **9/20/2016**

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 CHPD to BPA CEAEA for Rock Island	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
2 CHPD to BPA CEAEA for Rocky Reach	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
3 DOPD to BPA CEAEA for Wells	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
4 GCPD to BPA CEAEA for Priest Rapids	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
5 GCPD to BPA CEAEA for Wanpum	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
6 Total Imports From PNW	239	239	239	239	239	239	239	239	239	239	239	239	239	239

Non-Federal CER Deliveries to BPA

Operating Year: 2024

2016 White Book Report Date: **9/20/2016**

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 CHPD to BPA CEAEA for Rock Island	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
2 CHPD to BPA CEAEA for Rocky Reach	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
3 DOPD to BPA CEAEA for Wells	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
4 GCPD to BPA CEAEA for Priest Rapids	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
5 GCPD to BPA CEAEA for Wanpum	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
6 Total Imports From PNW	239	239	239	239	239	239	239	239	239	239	239	239	239	239

Non-Federal CER Deliveries to BPA

Operating Year: 2025

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 CHPD to BPA CEAEA for Rock Island	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
2 CHPD to BPA CEAEA for Rocky Reach	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
3 DOPD to BPA CEAEA for Wells	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
4 GCPD to BPA CEAEA for Priest Rapids	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
5 GCPD to BPA CEAEA for Wanpum	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
6 Total Imports From PNW	239	239	239	239	239	239	239	239	239	239	239	239	239	239

Non-Federal CER Deliveries to BPA

Operating Year: 2026

2016 White Book Report Date: **9/20/2016**

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 CHPD to BPA CEAEA for Rock Island	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
2 CHPD to BPA CEAEA for Rocky Reach	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
3 DOPD to BPA CEAEA for Wells	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
4 GCPD to BPA CEAEA for Priest Rapids	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
5 GCPD to BPA CEAEA for Wanpum	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
6 Total Imports From PNW	239	239	239	239	239	239	239	239	239	239	239	239	239	239

Non-Federal CER Deliveries to BPA
Operating Year: 2027
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 CHPD to BPA CEAEA for Rock Island	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
2 CHPD to BPA CEAEA for Rocky Reach	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
3 DOPD to BPA CEAEA for Wells	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
4 GCPD to BPA CEAEA for Priest Rapids	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
5 GCPD to BPA CEAEA for Wanpum	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
6 Total Imports From PNW	239	239	239	239	239	239	239	239	239	239	239	239	239	239

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Section 2: Monthly 120-Hour Capacity Operating Year 2018 to 2027

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Exhibit 12
Federal Report Surplus Deficit

Monthly 120-Hour Capacity
Operating Year 2018 to 2027
Using 1937-Water Conditions

Loads and Resources - Federal System
Operating Year: 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
1 Load Following	4145	3895	3617	3592	4116	4590	4519	4272	3918	3959	3932	3712	3768	4172
2 Preference Customers	4162	4162	3881	4108	4766	5399	5348	5107	4597	4353	4353	3976	3965	4251
3 Federal Agencies	133	133	128	139	175	192	196	188	171	145	145	133	125	135
4 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
5 Federal Diversity	-764	-1014	-924	-1070	-1105	-1370	-1363	-1357	-1255	-1011	-1038	-951	-920	-846
6 Tier 1 Block	11.7	11.7	24.2	0	0	0	0	0	0	0	0	0	0	0
7 Tier 1 Block	11.7	11.7	24.2	0	0	0	0	0	0	0	0	0	0	0
8 Slice	4096	3557	3606	3652	4653	4812	4551	4112	4314	3521	3800	4590	4204	3631
9 Slice Block	1608	1608	1678	1608	1984	2205	2233	2062	1919	1616	1616	1429	1338	1556
10 Slice Output from T1 System	2488	1949	1928	2044	2669	2607	2318	2049	2395	1905	2184	3161	2867	2075
11 Direct Service Industries	24.5	24.5	24.2	25.1	25.0	24.7	25.2	24.7	89.9	90.3	90.3	89.9	89.3	89.4
12 DSI	24.5	24.5	24.2	25.1	25.0	24.7	25.2	24.7	89.9	90.3	90.3	89.9	89.3	89.4
13 Contract Deliveries	1647	1647	1488	1462	1597	1589	1562	1562	1484	1505	1505	1435	1454	1467
14 Exports	1596	1596	1437	1411	1399	1391	1363	1363	1388	1409	1409	1409	1427	1441
15 Intra-Regional Transfers (Out)	51.2	51.2	51.2	51.2	198	198	198	198	96.2	96.2	96.2	26.2	26.2	26.2
16 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Total Firm Obligations	9924	9136	8760	8731	10391	11015	10657	9971	9805	9076	9328	9828	9515	9360
Net Resources														
18 Hydro Resources	11273	9189	8882	8940	11255	11078	9920	8879	10206	8391	9473	13264	12172	9165
19 Regulated Hydro - Net	10811	8731	8351	8533	10873	10820	9692	8676	9853	7791	8860	12507	11378	8658
20 Independent Hydro - Net	459	454	528	403	378	254	223	199	349	596	608	753	789	504
21 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
22 Other Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
23 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
26 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Contract Purchases	557	544	667	689	683	677	676	662	688	683	689	564	715	542

Loads and Resources - Federal System
Operating Year: 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
²⁹ Imports	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	76.0
³⁰ Intra-Regional Transfers (In)	181	181	305	273	254	249	254	246	264	323	323	174	332	179
³¹ Non-Federal CER	240	240	240	241	239	239	240	240	240	238	238	238	238	238
³² Slice Transmission Loss Return	59.8	46.9	46.4	49.1	64.2	62.7	55.7	49.3	57.6	45.8	52.5	76.0	68.9	49.9
³³ Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
³⁴ Reserves & Losses	-1973	-1844	-1820	-1606	-1679	-1664	-1592	-1511	-1578	-1451	-1519	-1706	-1659	-1479
³⁵ Contingency Reserves (Spinning)	-343	-313	-303	-319	-371	-382	-365	-342	-353	-318	-334	-367	-359	-322
³⁶ Contingency Reserves (Non-Spinning)	-343	-313	-303	-319	-371	-382	-365	-342	-353	-318	-334	-367	-359	-322
³⁷ Load Following Reserves	-586	-586	-586	-471	-405	-330	-330	-330	-330	-330	-330	-330	-330	-330
³⁸ Generation Imbalance Reserves	-314	-314	-314	-175	-132	-175	-175	-175	-175	-175	-175	-175	-175	-175
³⁹ Transmission Losses	-387	-318	-313	-322	-401	-396	-357	-322	-367	-310	-345	-467	-436	-330
⁴⁰ Total Net Resources	10985	9017	8864	9159	11400	11229	10147	9171	10459	8760	9782	13261	12362	9359
⁴¹ Total Surplus/Deficit	1,061	-119	104	427	1,009	213	-509	-799	654	-315	454	3,434	2,847	-1

Loads and Resources - Federal System
Operating Year: 2019 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
42 Load Following	4054	3977	3617	3574	4127	4573	4518	4295	3924	3978	3938	3738	3822	4205
43 Preference Customers	4158	4158	3882	4139	4798	5431	5378	5135	4623	4380	4380	4000	3990	4278
44 Federal Agencies	133	133	129	149	189	207	213	204	184	155	155	141	135	145
45 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
46 Federal Diversity	-850	-927	-925	-1129	-1140	-1433	-1409	-1378	-1287	-1029	-1069	-959	-901	-850
47 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 Slice	4202	3537	3803	3712	4719	4895	4614	4149	4341	3570	3851	4556	3899	3637
50 Slice Block	1550	1550	1620	1657	2044	2272	2300	2124	1977	1665	1665	1473	1379	1602
51 Slice Output from T1 System	2652	1987	2183	2055	2676	2623	2314	2025	2364	1904	2186	3083	2520	2035
52 Direct Service Industries	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
53 DSI	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
54 Contract Deliveries	1581	1581	1443	1412	1547	1539	1537	1537	1434	1421	1421	1351	1351	1366
55 Exports	1554	1554	1417	1386	1374	1366	1363	1363	1338	1324	1324	1324	1324	1340
56 Intra-Regional Transfers (Out)	26.2	26.2	26.2	26.2	173	173	173	173	96.2	96.2	96.2	26.2	26.2	26.2
57 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Total Firm Obligations	9926	9185	8953	8789	10483	11097	10759	10071	9789	9059	9299	9734	9161	9297
Net Resources														
59 Hydro Resources	11492	8917	9468	8879	11288	11178	9941	8823	10128	8428	9516	12997	12004	9049
60 Regulated Hydro - Net	11030	8460	8936	8472	10905	10920	9714	8619	9775	7828	8903	12240	11211	8541
61 Independent Hydro - Net	459	454	528	403	378	254	223	199	349	596	608	753	789	504
62 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
63 Other Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
64 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
67 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 Contract Purchases	566	550	533	530	542	537	534	520	518	506	512	534	520	509

Loads and Resources - Federal System
Operating Year: 2019 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
⁷⁰ Imports	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	76.0
⁷¹ Intra-Regional Transfers (In)	188	188	167	116	113	108	113	105	94.8	145	145	145	145	145
⁷² Non-Federal CER	238	238	238	239	239	240	240	240	240	239	239	239	239	239
⁷³ Slice Transmission Loss Return	63.8	47.8	52.5	49.4	64.3	63.1	55.6	48.7	56.8	45.8	52.6	74.1	60.6	48.9
⁷⁴ Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
⁷⁵ Reserves & Losses	-1626	-1466	-1490	-1473	-1655	-1674	-1597	-1511	-1575	-1455	-1523	-1696	-1611	-1477
⁷⁶ Contingency Reserves (Spinning)	-354	-317	-320	-321	-373	-385	-366	-343	-353	-320	-336	-364	-358	-320
⁷⁷ Contingency Reserves (Non-Spinning)	-354	-317	-320	-321	-373	-385	-366	-343	-353	-320	-336	-364	-358	-320
⁷⁸ Load Following Reserves	-333	-333	-333	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
⁷⁹ Generation Imbalance Reserves	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
⁸⁰ Transmission Losses	-407	-322	-340	-319	-398	-394	-353	-315	-358	-305	-341	-457	-385	-325
⁸¹ Total Net Resources	11560	9129	9646	9072	11316	11179	10023	8974	10214	8616	9643	12975	10913	9210
⁸² Total Surplus/Deficit	1,634	-55	693	284	833	82	-736	-1,097	425	-443	344	3,240	1,752	-87

Loads and Resources - Federal System
Operating Year: 2020 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
83 Load Following	4101	3966	3640	3603	4149	4591	4558	4318	3990	4055	3979	3840	3890	4233
84 Preference Customers	4185	4185	3902	4179	4839	5471	5447	5202	4689	4448	4448	4068	4057	4347
85 Federal Agencies	143	143	137	156	200	218	225	215	193	162	162	148	141	153
86 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
87 Federal Diversity	-840	-975	-931	-1147	-1170	-1467	-1449	-1432	-1298	-1027	-1103	-931	-907	-898
88 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Slice	4270	3624	3902	3662	4798	4964	4639	4357	4453	3682	3475	4655	4231	3980
91 Slice Block	1596	1596	1668	1634	2014	2237	2265	2021	1948	1641	1641	1449	1359	1580
92 Slice Output from T1 System	2673	2028	2234	2028	2784	2728	2373	2336	2505	2041	1834	3205	2872	2400
93 Direct Service Industries	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
94 DSI	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
95 Contract Deliveries	1289	1289	1168	1168	1175	1175	1175	1175	1168	1168	1168	1168	1168	1192
96 Exports	1262	1262	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
97 Intra-Regional Transfers (Out)	26.2	26.2	26.2	26.2	33.2	33.2	33.2	33.2	26.2	26.2	26.2	26.2	26.2	26.2
98 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 Total Firm Obligations	9749	8969	8799	8523	10211	10820	10462	9939	9700	8995	8712	9753	9378	9494
Net Resources														
100 Hydro Resources	11432	8933	9521	8554	11346	11221	9809	9662	10382	8662	7860	13257	12015	10251
101 Regulated Hydro - Net	10970	8476	8990	8147	10964	10962	9581	9459	10029	8062	7247	12500	11221	9744
102 Independent Hydro - Net	459	454	528	403	378	254	223	199	349	596	608	753	789	504
103 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
104 Other Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
105 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
108 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Contract Purchases	524	509	514	431	449	447	439	438	442	431	426	459	451	440

Loads and Resources - Federal System
Operating Year: 2020 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
111 Imports	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	76.0
112 Intra-Regional Transfers (In)	145	145	145	16.8	16.8	16.8	16.8	16.8	16.8	66.8	66.8	66.8	66.8	66.8
113 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
114 Slice Transmission Loss Return	64.3	48.8	53.7	48.8	67.0	65.6	57.1	56.2	60.2	49.1	44.1	77.1	69.1	57.7
115 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116 Reserves & Losses	-1635	-1480	-1506	-1452	-1658	-1677	-1589	-1562	-1591	-1471	-1421	-1713	-1651	-1553
117 Contingency Reserves (Spinning)	-354	-317	-321	-318	-375	-387	-366	-356	-358	-325	-313	-369	-359	-340
118 Contingency Reserves (Non-Spinning)	-354	-317	-321	-318	-375	-387	-366	-356	-358	-325	-313	-369	-359	-340
119 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
120 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
121 Transmission Losses	-404	-321	-341	-305	-397	-392	-345	-339	-364	-310	-283	-463	-421	-362
122 Total Net Resources	11449	9090	9663	8668	11278	11130	9803	9680	10376	8760	8003	13143	11949	10268
123 Total Surplus/Deficit	1,700	121	865	145	1,066	310	-659	-260	676	-235	-708	3,390	2,571	774

Loads and Resources - Federal System
Operating Year: 2021 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
124 Load Following	4147	3972	3640	3655	4177	4612	4635	4358	4003	4137	3983	3891	3885	4178
125 Preference Customers	4253	4253	3970	4236	4895	5529	5485	5210	4725	4482	4482	4098	4091	4384
126 Federal Agencies	150	150	143	157	202	220	227	213	195	164	164	149	143	154
127 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
128 Federal Diversity	-871	-1046	-1006	-1154	-1200	-1506	-1414	-1400	-1322	-981	-1135	-912	-946	-992
129 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131 Slice	4110	3579	3725	3675	4809	4974	4691	4443	4458	3689	3475	4637	3871	3979
132 Slice Block	1574	1574	1646	1676	2066	2295	2324	2147	1998	1684	1684	1488	1395	1621
133 Slice Output from T1 System	2535	2004	2080	1998	2743	2679	2367	2296	2459	2005	1791	3149	2476	2358
134 Direct Service Industries	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
135 DSI	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
136 Contract Deliveries	1305	1305	1168	1168	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
137 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
138 Intra-Regional Transfers (Out)	26.2	26.2	26.2	26.2	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
139 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Total Firm Obligations	9651	8944	8622	8587	10234	10833	10574	10049	9702	9067	8699	9769	8997	9421
Net Resources														
141 Hydro Resources	10887	8826	8892	8573	11322	11169	9921	9642	10340	8656	7828	13175	11749	10223
142 Regulated Hydro - Net	10424	8368	8361	8166	10939	10910	9693	9439	9987	8056	7215	12418	10955	9715
143 Independent Hydro - Net	459	454	528	403	378	254	223	199	349	596	608	753	789	504
144 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
145 Other Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
146 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
149 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151 Contract Purchases	443	430	432	413	431	429	422	420	424	413	408	441	425	297

Loads and Resources - Federal System
Operating Year: 2021 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
152 Imports	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	1.00
153 Intra-Regional Transfers (In)	66.8	66.8	66.8	0	0	0	0	0	0	50.0	50.0	50.0	50.0	0
154 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
155 Slice Transmission Loss Return	61.0	48.2	50.0	48.1	66.0	64.4	56.9	55.2	59.1	48.2	43.1	75.7	59.5	56.7
156 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Reserves & Losses	-1602	-1474	-1468	-1456	-1659	-1657	-1577	-1543	-1570	-1452	-1400	-1698	-1578	-1528
158 Contingency Reserves (Spinning)	-348	-318	-313	-320	-376	-378	-359	-347	-348	-316	-303	-364	-346	-330
159 Contingency Reserves (Non-Spinning)	-348	-318	-313	-320	-376	-378	-359	-347	-348	-316	-303	-364	-346	-330
160 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
161 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
162 Transmission Losses	-383	-315	-317	-305	-395	-390	-349	-339	-363	-309	-282	-460	-374	-357
163 Total Net Resources	10856	8910	8991	8666	11234	11079	9909	9661	10337	8755	7974	13057	10596	10121
164 Total Surplus/Deficit	1,205	-35	369	79	1,000	245	-665	-387	635	-311	-726	3,288	1,599	700

Loads and Resources - Federal System
Operating Year: 2022 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
165 Load Following	4111	3961	3666	3685	4184	4640	4643	4373	4013	4149	3975	3895	3905	4195
166 Preference Customers	4292	4292	3998	4255	4916	5551	5508	5261	4745	4502	4502	4117	4109	4404
167 Federal Agencies	152	152	145	158	203	221	228	218	196	165	165	150	143	155
168 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
169 Federal Diversity	-946	-1096	-1009	-1143	-1214	-1501	-1430	-1440	-1333	-990	-1164	-928	-946	-996
170 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172 Slice	4104	3577	3716	3674	4781	4972	4665	4429	4445	3679	3469	4676	4230	3986
173 Slice Block	1615	1615	1688	1640	2021	2245	2274	2101	1955	1648	1648	1456	1365	1586
174 Slice Output from T1 System	2489	1962	2028	2034	2759	2727	2391	2329	2490	2031	1821	3219	2864	2400
175 Direct Service Industries	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
176 DSI	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
177 Contract Deliveries	1288	1288	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
178 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
179 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
180 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 Total Firm Obligations	9593	8915	8622	8600	10213	10860	10555	10050	9700	9069	8684	9811	9375	9445
Net Resources														
182 Hydro Resources	10843	8796	8827	8578	11250	11218	9878	9635	10326	8625	7810	13313	11984	10250
183 Regulated Hydro - Net	10381	8338	8296	8171	10867	10959	9650	9432	9972	8025	7197	12555	11191	9743
184 Independent Hydro - Net	459	454	528	403	378	254	223	199	349	596	608	753	789	504
185 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
186 Other Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
187 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
190 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Contract Purchases	300	287	289	289	306	306	297	296	300	289	284	317	309	298

Loads and Resources - Federal System
Operating Year: 2022 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
193 Imports	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
194 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
196 Slice Transmission Loss Return	59.9	47.2	48.8	48.9	66.4	65.6	57.5	56.0	59.9	48.8	43.8	77.4	68.9	57.7
197 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198 Reserves & Losses	-1576	-1446	-1441	-1434	-1632	-1657	-1573	-1542	-1567	-1438	-1388	-1714	-1629	-1532
199 Contingency Reserves (Spinning)	-338	-306	-303	-310	-366	-379	-359	-348	-349	-311	-299	-371	-351	-331
200 Contingency Reserves (Non-Spinning)	-338	-306	-303	-310	-366	-379	-359	-348	-349	-311	-299	-371	-351	-331
201 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
202 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
203 Transmission Losses	-377	-310	-311	-302	-389	-388	-343	-334	-358	-304	-278	-460	-416	-358
204 Total Net Resources	10695	8765	8810	8570	11064	11004	9746	9531	10201	8614	7844	13055	11799	10146
205 Total Surplus/Deficit	1,102	-150	188	-31	852	144	-809	-519	502	-455	-840	3,244	2,425	702

Loads and Resources - Federal System
Operating Year: 2023 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
206 Load Following	4159	3861	3686	3704	4203	4672	4655	4383	4016	4150	3974	3882	3926	4207
207 Preference Customers	4312	4312	4027	4286	4948	5586	5541	5292	4775	4531	4531	4145	4136	4434
208 Federal Agencies	153	153	145	158	202	221	227	218	196	164	164	150	143	155
209 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
210 Federal Diversity	-919	-1217	-1018	-1155	-1228	-1504	-1450	-1461	-1360	-1018	-1193	-968	-952	-1013
211 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Slice	4098	3577	3710	3657	4774	4974	4670	4423	4441	3667	3458	4615	3866	3966
214 Slice Block	1580	1580	1651	1685	2077	2308	2336	2159	2009	1694	1694	1497	1404	1629
215 Slice Output from T1 System	2518	1997	2059	1972	2697	2666	2333	2265	2432	1974	1764	3118	2462	2337
216 Direct Service Industries	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
217 DSI	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
218 Contract Deliveries	1288	1288	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
219 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
220 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
221 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Total Firm Obligations	9634	8815	8636	8602	10224	10893	10572	10054	9698	9058	8673	9738	9032	9438
Net Resources														
223 Hydro Resources	10820	8798	8811	8580	11252	11226	9896	9629	10345	8645	7833	13162	11803	10250
224 Regulated Hydro - Net	10357	8341	8280	8173	10869	10967	9669	9426	9991	8045	7221	12405	11009	9743
225 Independent Hydro - Net	459	454	528	403	378	254	223	199	349	596	608	753	789	504
226 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
227 Other Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
228 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
231 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
232 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233 Contract Purchases	301	288	290	287	305	304	296	294	298	287	282	315	299	296

Loads and Resources - Federal System
Operating Year: 2023 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
²³⁴ Imports	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
²³⁵ Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
²³⁶ Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
²³⁷ Slice Transmission Loss Return	60.5	48.0	49.5	47.4	64.9	64.1	56.1	54.5	58.5	47.5	42.4	75.0	59.2	56.2
²³⁸ Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
²³⁹ Reserves & Losses	-1577	-1451	-1442	-1436	-1634	-1660	-1576	-1543	-1571	-1442	-1391	-1707	-1581	-1534
²⁴⁰ Contingency Reserves (Spinning)	-338	-309	-304	-312	-367	-380	-361	-349	-350	-313	-301	-370	-349	-332
²⁴¹ Contingency Reserves (Non-Spinning)	-338	-309	-304	-312	-367	-380	-361	-349	-350	-313	-301	-370	-349	-332
²⁴² Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
²⁴³ Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
²⁴⁴ Transmission Losses	-376	-310	-311	-302	-389	-388	-344	-334	-359	-305	-278	-455	-371	-358
²⁴⁵ Total Net Resources	10671	8763	8793	8567	11063	11008	9760	9522	10215	8629	7863	12909	10521	10142
²⁴⁶ Total Surplus/Deficit	1,037	-53	157	-35	838	115	-812	-532	517	-430	-811	3,171	1,489	704

Loads and Resources - Federal System
Operating Year: 2024 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
247 Load Following	4177	3878	3702	3734	4222	4717	4669	4372	4054	4117	4017	3897	3970	4189
248 Preference Customers	4342	4342	4056	4310	4974	5614	5568	5317	4799	4554	4554	4167	4159	4458
249 Federal Agencies	152	152	145	159	204	222	229	219	197	166	166	151	144	156
250 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
251 Federal Diversity	-931	-1230	-1031	-1150	-1235	-1487	-1465	-1498	-1347	-1075	-1176	-976	-931	-1056
252 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
253 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
254 Slice	4078	3558	3694	3690	4799	4993	4686	4375	4463	3698	3487	4688	4244	4001
255 Slice Block	1623	1623	1696	1654	2038	2265	2294	2046	1972	1662	1662	1470	1378	1599
256 Slice Output from T1 System	2455	1935	1998	2036	2761	2728	2392	2330	2491	2035	1825	3218	2865	2401
257 Direst Service Industries	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
258 DSI	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
259 Contract Deliveries	1288	1288	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
260 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
261 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
262 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
263 Total Firm Obligations	9632	8813	8636	8665	10269	10958	10602	9995	9759	9055	8745	9826	9453	9454
Net Resources														
264 Hydro Resources	10817	8799	8819	8583	11255	11222	9883	9638	10330	8640	7825	13307	11989	10255
265 Regulated Hydro - Net	10354	8342	8288	8176	10872	10964	9655	9435	9977	8040	7212	12550	11195	9748
266 Independent Hydro - Net	459	454	528	403	378	254	223	199	349	596	608	753	789	504
267 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
268 Other Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
269 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
270 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
271 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
272 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
273 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
274 Contract Purchases	299	287	288	289	306	306	298	296	300	289	284	317	309	298

Loads and Resources - Federal System
Operating Year: 2024 Water Year: 1937
2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
275 Imports	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
276 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
277 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
278 Slice Transmission Loss Return	59.0	46.5	48.0	48.9	66.4	65.6	57.5	56.0	59.9	48.9	43.9	77.4	68.9	57.7
279 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
280 Reserves & Losses	-1579	-1454	-1445	-1438	-1637	-1662	-1578	-1545	-1572	-1453	-1402	-1709	-1633	-1537
281 Contingency Reserves (Spinning)	-340	-310	-305	-313	-368	-381	-362	-350	-351	-319	-307	-369	-353	-334
282 Contingency Reserves (Non-Spinning)	-340	-310	-305	-313	-368	-381	-362	-350	-351	-319	-307	-369	-353	-334
283 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
284 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
285 Transmission Losses	-376	-309	-311	-302	-389	-388	-343	-334	-358	-304	-278	-460	-416	-358
286 Total Net Resources	10665	8760	8797	8570	11064	11004	9746	9531	10201	8614	7844	13055	11799	10146
287 Total Surplus/Deficit	1,033	-53	161	-95	795	46	-856	-464	443	-442	-900	3,229	2,346	692

Loads and Resources - Federal System
Operating Year: 2025 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
288 Load Following	4125	3929	3755	3753	4236	4693	4669	4442	4072	4119	4037	3900	3995	4183
289 Preference Customers	4366	4366	4079	4327	4993	5634	5589	5307	4817	4571	4571	4183	4174	4475
290 Federal Agencies	153	153	146	161	206	225	232	218	200	168	168	153	146	158
291 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
292 Federal Diversity	-1009	-1204	-1003	-1150	-1243	-1534	-1488	-1418	-1349	-1092	-1174	-992	-923	-1081
293 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
294 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
295 Slice	4113	3591	3725	3627	4745	4946	4642	4395	4413	3640	3431	4583	3835	3936
296 Slice Block	1593	1593	1665	1691	2083	2315	2344	2166	2015	1699	1699	1503	1409	1634
297 Slice Output from T1 System	2519	1997	2060	1937	2662	2631	2298	2229	2397	1941	1732	3080	2426	2302
298 Direct Service Industries	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
299 DSI	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
300 Contract Deliveries	1288	1288	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
301 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
302 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
303 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
304 Total Firm Obligations	9615	8897	8720	8622	10229	10887	10560	10084	9726	9001	8709	9723	9070	9384
Net Resources														
305 Hydro Resources	10824	8799	8816	8585	11257	11231	9901	9633	10349	8660	7848	13156	11807	10254
306 Regulated Hydro - Net	10362	8342	8284	8178	10874	10972	9674	9430	9996	8059	7235	12399	11014	9747
307 Independent Hydro - Net	459	454	528	403	378	254	223	199	349	596	608	753	789	504
308 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
309 Other Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
310 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
311 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
312 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
313 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
314 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
315 Contract Purchases	301	288	290	287	304	303	295	294	298	287	282	314	298	295

Loads and Resources - Federal System
Operating Year: 2025 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
316 Imports	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
317 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
318 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
319 Slice Transmission Loss Return	60.6	48.0	49.5	46.6	64.0	63.3	55.3	53.6	57.6	46.7	41.6	74.1	58.3	55.4
320 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
321 Reserves & Losses	-1582	-1453	-1447	-1440	-1639	-1665	-1581	-1548	-1575	-1456	-1406	-1701	-1585	-1538
322 Contingency Reserves (Spinning)	-341	-310	-306	-314	-369	-383	-363	-351	-353	-320	-308	-368	-351	-335
323 Contingency Reserves (Non-Spinning)	-341	-310	-306	-314	-369	-383	-363	-351	-353	-320	-308	-368	-351	-335
324 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
325 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
326 Transmission Losses	-376	-310	-311	-302	-389	-388	-344	-334	-358	-305	-278	-455	-371	-358
327 Total Net Resources	10671	8763	8793	8567	11062	11007	9760	9521	10215	8628	7862	12908	10521	10141
328 Total Surplus/Deficit	1,057	-134	74	-55	833	120	-800	-563	489	-373	-847	3,185	1,450	757

Loads and Resources - Federal System
Operating Year: 2026 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
329 Load Following	4119	3960	3750	3784	4272	4682	4680	4469	4096	4129	4037	3941	4006	4205
330 Preference Customers	4383	4383	4095	4349	5016	5659	5614	5361	4839	4592	4592	4203	4194	4497
331 Federal Agencies	155	155	148	163	209	228	235	225	202	170	170	155	148	160
332 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
333 Federal Diversity	-1033	-1192	-1026	-1143	-1233	-1573	-1506	-1451	-1349	-1105	-1197	-973	-934	-1083
334 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
335 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
336 Slice	4048	3528	3664	3690	4799	4988	4681	4444	4458	3693	3482	4686	4239	3995
337 Slice Block	1628	1628	1701	1653	2037	2264	2292	2118	1971	1661	1661	1470	1378	1598
338 Slice Output from T1 System	2419	1899	1963	2037	2762	2724	2388	2326	2487	2031	1821	3217	2861	2397
339 Direct Service Industries	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
340 DSI	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
341 Contract Deliveries	1288	1288	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
342 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
343 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
344 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
345 Total Firm Obligations	9544	8865	8654	8715	10319	10918	10609	10161	9795	9063	8761	9868	9485	9465
Net Resources														
346 Hydro Resources	10821	8803	8823	8587	11259	11207	9867	9625	10315	8624	7809	13301	11973	10239
347 Regulated Hydro - Net	10359	8346	8292	8180	10877	10949	9640	9421	9961	8024	7196	12544	11179	9732
348 Independent Hydro - Net	459	454	528	403	378	254	223	199	349	596	608	753	789	504
349 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
350 Other Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
351 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
352 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
353 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
354 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
355 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
356 Contract Purchases	298	286	287	289	306	305	297	296	300	289	284	317	309	298

Loads and Resources - Federal System
Operating Year: 2026 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
357 Imports	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
358 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
359 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
360 Slice Transmission Loss Return	58.2	45.7	47.2	49.0	66.4	65.5	57.4	55.9	59.8	48.8	43.8	77.3	68.8	57.6
361 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
362 Reserves & Losses	-1583	-1458	-1449	-1443	-1642	-1647	-1562	-1531	-1556	-1437	-1387	-1703	-1617	-1521
363 Contingency Reserves (Spinning)	-342	-312	-307	-315	-371	-374	-354	-343	-344	-311	-299	-366	-345	-326
364 Contingency Reserves (Non-Spinning)	-342	-312	-307	-315	-371	-374	-354	-343	-344	-311	-299	-366	-345	-326
365 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
366 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
367 Transmission Losses	-376	-309	-311	-302	-389	-388	-343	-334	-358	-304	-278	-460	-416	-358
368 Total Net Resources	10664	8759	8796	8570	11064	11004	9746	9531	10201	8614	7844	13055	11799	10146
369 Total Surplus/Deficit	1,120	-106	143	-145	745	86	-862	-629	406	-449	-916	3,187	2,314	681

Loads and Resources - Federal System
Operating Year: 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
370 Load Following	4150	3995	3769	3805	4254	4724	4727	4486	4082	4147	4038	3959	4030	4235
371 Preference Customers	4405	4405	4116	4381	5051	5695	5632	5377	4854	4604	4604	4214	4205	4509
372 Federal Agencies	157	157	150	164	211	230	237	227	204	171	171	156	149	161
373 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
374 Federal Diversity	-1026	-1181	-1029	-1156	-1286	-1569	-1479	-1452	-1381	-1101	-1210	-966	-922	-1068
375 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
376 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377 Slice	4108	3587	3719	3636	4752	4952	4648	4401	4417	3646	3437	4592	3842	3943
378 Slice Block	1592	1592	1663	1687	2078	2310	2339	2161	2009	1694	1694	1499	1405	1630
379 Slice Output from T1 System	2515	1994	2056	1948	2673	2642	2309	2240	2408	1952	1743	3093	2437	2313
380 Direct Service Industries	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
381 DSI	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
382 Contract Deliveries	1288	1288	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
383 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
384 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
385 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
386 Total Firm Obligations	9635	8959	8729	8682	10254	10923	10623	10134	9740	9034	8716	9792	9112	9442
Net Resources														
387 Hydro Resources	10809	8787	8800	8571	11242	11215	9886	9618	10333	8644	7833	13149	11791	10239
388 Regulated Hydro - Net	10346	8330	8269	8164	10859	10957	9658	9415	9979	8044	7220	12392	10997	9732
389 Independent Hydro - Net	459	454	528	403	378	254	223	199	349	596	608	753	789	504
390 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
391 Other Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
392 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
393 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
394 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
395 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
396 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
397 Contract Purchases	300	288	289	287	304	304	296	294	298	287	282	314	299	296

Loads and Resources - Federal System
Operating Year: 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
398 Imports	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
399 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
401 Slice Transmission Loss Return	60.5	48.0	49.4	46.8	64.3	63.5	55.5	53.9	57.9	46.9	41.9	74.4	58.6	55.6
402 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
403 Reserves & Losses	-1566	-1440	-1431	-1427	-1624	-1649	-1565	-1533	-1559	-1441	-1390	-1694	-1569	-1523
404 Contingency Reserves (Spinning)	-333	-303	-298	-307	-362	-375	-355	-344	-345	-312	-301	-364	-343	-327
405 Contingency Reserves (Non-Spinning)	-333	-303	-298	-307	-362	-375	-355	-344	-345	-312	-301	-364	-343	-327
406 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
407 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
408 Transmission Losses	-376	-310	-311	-302	-389	-388	-344	-334	-358	-305	-278	-455	-371	-358
409 Total Net Resources	10671	8763	8793	8567	11062	11008	9760	9521	10215	8628	7862	12909	10521	10141
410 Total Surplus/Deficit	1,036	-197	65	-115	808	85	-863	-613	475	-406	-854	3,117	1,408	699

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Exhibit 13
Regional Report Surplus Deficit

Monthly 120-Hour Capacity
Operating Year 2018 to 2027
Using 1937-Water Conditions

Loads and Resources - Pacific Northwest Region

Operating Year: 2018 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
1 Retail Loads	29814	29565	26328	26651	29979	32927	33291	31214	28784	27094	27067	25460	28435	30733
2 Federal Agency	145	145	140	151	183	200	205	197	179	157	157	145	138	147
3 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
4 Cooperative	2745	2745	2516	2531	2909	3316	3242	3106	2787	2727	2727	2634	2689	2886
5 Municipality	3248	3248	3100	3513	4012	4370	4379	4187	3841	3535	3535	3053	3104	3317
6 Public Utility District	5729	5729	5413	5977	6852	7546	7596	7178	6719	6270	6270	5699	5572	5867
7 Investor-Owned Utility	17660	17660	15112	14694	16408	18056	18457	17131	15669	14504	14504	13886	16816	18292
8 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
9 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
10 Federal Diversity	-764	-1014	-924	-1070	-1105	-1370	-1363	-1357	-1255	-1011	-1038	-951	-920	-846
11 Exports	2038	2038	1879	1513	1462	1454	1427	1427	1452	1472	1480	1480	1808	1821
12 Canada	1461	1461	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1340
13 East Continental Divide	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80
14 Inland Southwest	25.0	25.0	25.0	25.0	25.0	25.0	0	0	0	0	0	0	0	0
15 Pacific Southwest	545	545	523	156	106	97.9	95.8	95.8	121	141	149	149	477	475
16 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Total Regional Loads	31852	31602	28207	28163	31441	34381	34718	32641	30236	28566	28547	26940	30243	32554
Regional Resources														
18 Hydro Resources	22393	20178	19380	19569	22224	22164	20571	19662	20833	18791	19829	24426	23997	20722
19 Regulated Hydro - Net	20498	18286	17485	17825	20576	20602	19064	18236	19107	16661	17682	21973	21483	18636
20 Independent Hydro - Net	1509	1508	1582	1514	1467	1394	1338	1246	1507	1792	1808	1993	2039	1627
21 Small Hydro - Net	386	384	313	229	180	168	169	181	219	337	339	460	476	460
22 Other Resources	16332	16333	16414	16549	16722	16803	16811	16768	16076	16574	15039	14168	15752	16337
23 Cogeneration Resources	2610	2610	2629	2684	2703	2717	2720	2714	2072	2619	2139	2363	2616	2613
24 Combustion Turbine Resources	6475	6475	6531	6609	6760	6827	6837	6791	6743	6699	5645	5785	6038	6478
25 Large Thermal Resources	6984	6984	6991	6992	6996	6994	7000	6998	6999	6994	6994	5755	6837	6986
26 Renewable Resources	173	173	173	174	173	174	162	174	172	172	172	173	171	172
27 Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
28 Imports	968	968	849	841	1118	1242	1216	1248	949	770	770	800	1038	1114
29 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
30 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Inland Southwest	747	747	628	569	566	647	590	589	565	536	536	578	817	893

Loads and Resources - Pacific Northwest Region
Operating Year: 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
³² Pacific Southwest	75.0	75.0	75.0	125	450	471	471	471	171	87.0	87.0	75.0	75.0	75.0
³³ Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
³⁴ Reserves & Losses	-4056	-3919	-3776	-3575	-3743	-3808	-3720	-3604	-3551	-3402	-3370	-3571	-3736	-3617
³⁵ Contingency Reserves (Non-Spinning)	-955	-922	-863	-881	-968	-1015	-997	-954	-923	-876	-868	-907	-968	-951
³⁶ Contingency Reserves (Spinning)	-955	-922	-863	-881	-968	-1015	-997	-954	-923	-876	-868	-907	-968	-951
³⁷ Generation Imbalance Reserves	-314	-314	-314	-175	-132	-175	-175	-175	-175	-175	-175	-175	-175	-175
³⁸ Load Following Reserves	-586	-586	-586	-471	-405	-330	-330	-330	-330	-330	-330	-330	-330	-330
³⁹ Transmission Losses	-1247	-1174	-1150	-1168	-1271	-1273	-1220	-1192	-1200	-1145	-1129	-1253	-1296	-1209
⁴⁰ Total Regional Resources	35637	33560	32868	33384	36321	36400	34878	34074	34307	32734	32269	35822	37051	34557
⁴¹ Total Surplus/Deficit	3785	1958	4660	5221	4880	2019	160	1433	4071	4167	3722	8882	6808	2003

Loads and Resources - Pacific Northwest Region

Operating Year: 2019 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
42 Retail Loads	30300	30223	26746	26911	30293	33242	33618	31542	29074	27377	27337	25741	28813	31099
43 Federal Agency	145	145	141	161	198	215	221	212	192	167	167	153	147	157
44 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
45 Cooperative	2791	2791	2562	2578	2958	3364	3290	3153	2833	2775	2775	2682	2737	2935
46 Municipality	3307	3307	3110	3529	4027	4386	4390	4198	3850	3543	3543	3060	3112	3325
47 Public Utility District	5876	5876	5537	6016	6900	7602	7643	7216	6752	6303	6303	5726	5598	5870
48 Investor-Owned Utility	17979	17979	15351	14902	16632	18300	18708	17368	15889	14707	14707	14084	17083	18592
49 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
50 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
51 Federal Diversity	-850	-927	-925	-1129	-1140	-1433	-1409	-1378	-1287	-1029	-1069	-959	-901	-850
52 Exports	1935	1935	1798	1458	1431	1423	1421	1421	1395	1382	1390	1390	1699	1715
53 Canada	1445	1445	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1340
54 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
55 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Pacific Southwest	483	483	466	126	106	97.9	95.8	95.8	70.0	56.7	64.7	64.7	374	374
57 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Total Regional Loads	32234	32157	28543	28369	31725	34665	35039	32963	30469	28759	28727	27131	30512	32814
Regional Resources														
59 Hydro Resources	22615	19239	20142	19511	22262	22270	20593	19606	20757	18828	19877	24163	23830	20604
60 Regulated Hydro - Net	20717	17344	18244	17764	20609	20702	19086	18180	19028	16698	17725	21707	21315	18519
61 Independent Hydro - Net	1509	1508	1582	1514	1467	1394	1338	1246	1507	1792	1808	1993	2039	1627
62 Small Hydro - Net	389	387	316	232	186	174	169	181	222	337	343	463	476	458
63 Other Resources	16332	16333	16418	16553	16726	16807	16811	16768	16076	15362	14299	14168	14771	16337
64 Cogeneration Resources	2610	2610	2629	2684	2703	2717	2720	2714	2072	2147	2139	2363	2616	2613
65 Combustion Turbine Resources	6475	6475	6535	6613	6764	6831	6837	6791	6743	6699	5645	5785	6038	6478
66 Large Thermal Resources	6984	6984	6991	6992	6996	6994	7000	6998	6999	6254	6254	5755	5856	6986
67 Renewable Resources	173	173	173	174	173	174	162	174	172	172	172	173	171	172
68 Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
69 Imports	976	976	853	845	1096	1199	1174	1206	907	762	762	804	1047	1124
70 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
71 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Inland Southwest	755	755	632	573	569	650	594	593	569	540	540	582	826	903

Loads and Resources - Pacific Northwest Region
Operating Year: 2019 Water Year: 1937
2016 White Book Report Date: **9/20/2016** *Continued*
S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
73 Pacific Southwest	75.0	75.0	75.0	125	425	425	425	425	125	75.0	75.0	75.0	75.0	75.0
74 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Reserves & Losses	-3720	-3510	-3469	-3454	-3730	-3830	-3736	-3615	-3560	-3364	-3362	-3569	-3709	-3626
76 Contingency Reserves (Non-Spinning)	-972	-922	-886	-886	-974	-1022	-1003	-958	-926	-874	-873	-907	-970	-955
77 Contingency Reserves (Spinning)	-972	-922	-886	-886	-974	-1022	-1003	-958	-926	-874	-873	-907	-970	-955
78 Generation Imbalance Reserves	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
79 Load Following Reserves	-333	-333	-333	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
80 Transmission Losses	-1266	-1156	-1187	-1170	-1272	-1275	-1219	-1188	-1196	-1105	-1105	-1244	-1257	-1205
81 Total Regional Resources	36203	33038	33945	33455	36354	36446	34842	33965	34181	31589	31576	35565	35938	34439
82 Total Surplus/Deficit	3969	881	5401	5086	4630	1781	-198	1002	3712	2829	2850	8434	5427	1626

Loads and Resources - Pacific Northwest Region

Operating Year: 2020 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
83 Retail Loads	30671	30536	27017	27218	30619	33600	33998	31832	29435	27735	27659	26120	29224	31503
84 Federal Agency	155	155	149	168	208	226	233	223	202	174	174	160	154	165
85 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
86 Cooperative	2840	2840	2610	2626	3005	3409	3336	3198	2878	2820	2820	2728	2783	2982
87 Municipality	3315	3315	3117	3537	4036	4395	4425	4234	3886	3579	3579	3095	3148	3361
88 Public Utility District	5874	5874	5528	6072	6964	7673	7715	7229	6816	6363	6363	5788	5655	5927
89 Investor-Owned Utility	18275	18275	15573	15108	16857	18555	18962	17608	16108	14915	14915	14285	17356	18896
90 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
91 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
92 Federal Diversity	-840	-975	-931	-1147	-1170	-1467	-1449	-1432	-1298	-1027	-1103	-931	-907	-898
93 Exports	1637	1637	1516	1207	1199	1199	1199	1199	1199	1199	1207	1207	1516	1540
94 Canada	1262	1262	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
95 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
96 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Pacific Southwest	374	374	374	64.7	56.7	56.7	56.7	56.7	56.7	56.7	64.7	64.7	374	374
98 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 Total Regional Loads	32308	32173	28533	28425	31818	34799	35197	33031	30635	28934	28866	27327	30740	33043
Regional Resources														
100 Hydro Resources	22555	19253	20192	19181	22297	22304	20779	20313	21046	19079	18259	24467	23810	21808
101 Regulated Hydro - Net	20658	17360	18298	17437	20645	20736	19272	18887	19320	16949	16112	22014	21295	19721
102 Independent Hydro - Net	1509	1508	1582	1514	1467	1394	1338	1246	1507	1792	1808	1993	2039	1627
103 Small Hydro - Net	389	385	312	230	185	174	169	181	219	337	339	460	476	460
104 Other Resources	16332	16333	16418	16551	16723	16807	16811	16768	16076	16056	15039	14014	15752	16337
105 Cogeneration Resources	2610	2610	2629	2684	2703	2717	2720	2714	2072	2619	2139	2363	2616	2613
106 Combustion Turbine Resources	6475	6475	6535	6611	6761	6831	6837	6791	6743	6699	5645	5785	6038	6478
107 Large Thermal Resources	6984	6984	6991	6992	6996	6994	7000	6998	6999	6476	6994	5601	6837	6986
108 Renewable Resources	173	173	173	174	173	174	162	174	172	172	172	173	171	172
109 Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
110 Imports	984	984	857	848	1099	1202	1177	1209	910	765	765	807	1056	1134
111 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
112 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Inland Southwest	763	763	636	576	572	653	597	596	572	543	543	585	835	913

Loads and Resources - Pacific Northwest Region
Operating Year: 2020 Water Year: 1937
2016 White Book Report Date: **9/20/2016** *Continued*
S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
114 Pacific Southwest	75.0	75.0	75.0	125	425	425	425	425	125	75.0	75.0	75.0	75.0	75.0
115 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116 Reserves & Losses	-3740	-3535	-3493	-3443	-3742	-3843	-3760	-3668	-3588	-3427	-3297	-3593	-3753	-3714
117 Contingency Reserves (Non-Spinning)	-976	-928	-890	-886	-979	-1028	-1012	-973	-936	-890	-855	-916	-976	-979
118 Contingency Reserves (Spinning)	-976	-928	-890	-886	-979	-1028	-1012	-973	-936	-890	-855	-916	-976	-979
119 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
120 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
121 Transmission Losses	-1264	-1156	-1188	-1159	-1273	-1276	-1225	-1211	-1205	-1136	-1076	-1249	-1290	-1244
122 Total Regional Resources	36132	33036	33974	33137	36377	36470	35007	34622	34444	32474	30767	35696	36865	35566
123 Total Surplus/Deficit	3823	862	5441	4712	4559	1671	-189	1590	3809	3539	1900	8369	6125	2522

Loads and Resources - Pacific Northwest Region

Operating Year: 2021 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
124 Retail Loads	31088	30913	27317	27574	30976	33977	34422	32251	29760	28106	27953	26458	29577	31834
125 Federal Agency	162	162	155	169	210	228	235	222	203	176	176	161	155	166
126 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
127 Cooperative	2886	2886	2656	2671	3049	3455	3382	3219	2922	2865	2865	2772	2828	3029
128 Municipality	3351	3351	3154	3573	4073	4433	4438	4243	3898	3590	3590	3106	3159	3372
129 Public Utility District	5935	5935	5588	6140	7038	7753	7782	7347	6880	6424	6424	5845	5713	5990
130 Investor-Owned Utility	18572	18572	15799	15320	17086	18807	19223	17847	16334	15122	15122	14491	17632	19199
131 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
132 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
133 Federal Diversity	-871	-1046	-1006	-1154	-1200	-1506	-1414	-1400	-1322	-981	-1135	-912	-946	-992
134 Exports	1653	1653	1516	1207	1199	1199	1199	1199	1199	1199	1207	1207	1516	1540
135 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
136 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
137 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Pacific Southwest	374	374	374	64.7	56.7	56.7	56.7	56.7	56.7	56.7	64.7	64.7	374	374
139 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Total Regional Loads	32742	32566	28833	28781	32175	35176	35621	33450	30959	29306	29160	27665	31093	33375
Regional Resources														
141 Hydro Resources	22009	19147	19591	19203	22274	22252	20811	20214	20924	18993	18147	24305	23463	21779
142 Regulated Hydro - Net	20112	17253	17693	17456	20620	20684	19384	18867	19278	16943	16079	21932	21029	19692
143 Independent Hydro - Net	1509	1508	1582	1514	1467	1394	1258	1166	1427	1712	1728	1913	1959	1627
144 Small Hydro - Net	389	387	316	232	186	174	169	181	219	337	339	460	476	460
145 Other Resources	16332	16333	16418	16551	16723	16137	15571	15528	14836	15334	13799	13263	13377	15097
146 Cogeneration Resources	2610	2610	2629	2684	2703	2717	2720	2714	2072	2619	2139	2363	2616	2613
147 Combustion Turbine Resources	6475	6475	6535	6611	6761	6831	6837	6791	6743	6699	5645	5785	6038	6478
148 Large Thermal Resources	6984	6984	6991	6992	6996	6324	5760	5758	5759	5754	5754	4850	4462	5746
149 Renewable Resources	173	173	173	174	173	174	162	174	172	172	172	173	171	172
150 Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
151 Imports	992	992	861	852	1102	1206	1180	1212	914	769	769	811	1064	1068
152 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
153 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Inland Southwest	771	771	640	580	575	657	600	599	576	547	547	589	843	922

Loads and Resources - Pacific Northwest Region

Operating Year: 2021 Water Year: 1937

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
155 Pacific Southwest	75.0	75.0	75.0	125	425	425	425	425	125	75.0	75.0	75.0	75.0	0
156 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Reserves & Losses	-3719	-3541	-3467	-3454	-3752	-3810	-3695	-3596	-3513	-3371	-3222	-3540	-3627	-3644
158 Contingency Reserves (Non-Spinning)	-975	-933	-887	-892	-985	-1024	-1000	-959	-921	-875	-839	-905	-958	-967
159 Contingency Reserves (Spinning)	-975	-933	-887	-892	-985	-1024	-1000	-959	-921	-875	-839	-905	-958	-967
160 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
161 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
162 Transmission Losses	-1246	-1152	-1169	-1160	-1272	-1252	-1185	-1167	-1160	-1110	-1032	-1219	-1199	-1200
163 Total Regional Resources	35615	32932	33403	33151	36347	35784	33866	33357	33161	31726	29493	34838	34278	34300
164 Total Surplus/Deficit	2873	365	4570	4370	4173	607	-1755	-93.0	2202	2420	333	7173	3184	925

Loads and Resources - Pacific Northwest Region
Operating Year: 2022 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
165 Retail Loads	31438	31287	27653	27905	31305	34352	34782	32598	30083	28412	28238	26752	29956	32249
166 Federal Agency	164	164	157	170	211	229	236	226	204	177	177	162	156	167
167 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
168 Cooperative	2933	2933	2702	2716	3096	3503	3430	3292	2969	2911	2911	2819	2875	3076
169 Municipality	3363	3363	3165	3585	4085	4445	4450	4258	3909	3601	3601	3117	3169	3384
170 Public Utility District	5998	5998	5639	6190	7093	7812	7841	7400	6930	6471	6471	5890	5759	6038
171 Investor-Owned Utility	18874	18874	16029	15533	17315	19056	19479	18089	16560	15331	15331	14697	17907	19510
172 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
173 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
174 Federal Diversity	-946	-1096	-1009	-1143	-1214	-1501	-1430	-1440	-1333	-990	-1164	-928	-946	-996
175 Exports	1288	1288	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1175
176 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
177 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
178 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
179 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
180 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 Total Regional Loads	32725	32575	28803	29056	32448	35495	35925	33741	31226	29555	29389	27903	31107	33424
Regional Resources														
182 Hydro Resources	21966	19118	19516	19128	22122	22221	20767	20206	20909	18962	18129	24442	23699	21807
183 Regulated Hydro - Net	20069	17223	17628	17461	20548	20733	19341	18859	19263	16913	16062	22070	21265	19720
184 Independent Hydro - Net	1509	1508	1572	1434	1387	1314	1258	1166	1427	1712	1728	1913	1959	1627
185 Small Hydro - Net	389	387	316	232	186	174	169	181	219	337	339	460	476	460
186 Other Resources	15092	15093	15178	15311	15483	15567	15444	15401	14709	13660	12597	13471	14539	14663
187 Cogeneration Resources	2610	2610	2629	2684	2703	2717	2720	2714	2072	2147	2139	2363	2616	2613
188 Combustion Turbine Resources	6475	6475	6535	6611	6761	6831	6837	6791	6743	6699	5645	5785	6038	6478
189 Large Thermal Resources	5744	5744	5751	5752	5756	5754	5633	5631	5632	4552	4552	5058	5624	5312
190 Renewable Resources	173	173	173	174	173	174	162	174	172	172	172	173	171	172
191 Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
192 Imports	925	925	790	731	980	1085	1059	1091	793	697	697	740	998	1078
193 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
194 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Inland Southwest	779	779	644	584	578	661	604	603	580	550	550	593	852	932

Loads and Resources - Pacific Northwest Region
Operating Year: 2022 Water Year: 1937
2016 White Book Report Date: 9/20/2016 Continued

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
196 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
197 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198 Reserves & Losses	-3649	-3468	-3392	-3377	-3671	-3779	-3695	-3598	-3513	-3295	-3177	-3571	-3689	-3643
199 Contingency Reserves (Non-Spinning)	-962	-918	-873	-877	-969	-1020	-1005	-964	-926	-867	-839	-916	-967	-973
200 Contingency Reserves (Spinning)	-962	-918	-873	-877	-969	-1020	-1005	-964	-926	-867	-839	-916	-967	-973
201 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
202 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
203 Transmission Losses	-1201	-1108	-1123	-1112	-1221	-1228	-1175	-1158	-1151	-1050	-988	-1227	-1244	-1186
204 Total Regional Resources	34335	31667	32093	31793	34915	35093	33576	33100	32898	30024	28247	35082	35547	33905
205 Total Surplus/Deficit	1609	-908	3289	2737	2467	-401	-2349	-641	1672	470	-1142	7179	4440	481

Loads and Resources - Pacific Northwest Region

Operating Year: 2023 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
206 Retail Loads	31876	31578	27986	28211	31630	34715	35146	32935	30397	28704	28529	27033	30339	32660
207 Federal Agency	164	164	157	170	210	229	236	226	204	177	177	162	155	167
208 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
209 Cooperative	2980	2980	2748	2766	3146	3554	3482	3343	3019	2960	2960	2868	2924	3127
210 Municipality	3374	3374	3175	3595	4097	4457	4464	4271	3922	3612	3612	3128	3181	3396
211 Public Utility District	6046	6046	5694	6237	7144	7867	7902	7457	6984	6522	6522	5939	5808	6090
212 Investor-Owned Utility	19178	19178	16259	15744	17542	19304	19738	18326	16786	15539	15539	14908	18185	19823
213 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
214 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
215 Federal Diversity	-919	-1217	-1018	-1155	-1228	-1504	-1450	-1461	-1360	-1018	-1193	-968	-952	-1013
216 Exports	1288	1288	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1175
217 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
218 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
219 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
221 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Total Regional Loads	33164	32865	29137	29362	32773	35857	36289	34078	31540	29846	29679	28183	31489	33834
Regional Resources														
223 Hydro Resources	21943	19120	19501	19130	22124	22229	20786	20200	20928	18982	18152	24292	23518	21806
224 Regulated Hydro - Net	20045	17225	17612	17463	20550	20741	19360	18854	19282	16932	16085	21919	21083	19720
225 Independent Hydro - Net	1509	1508	1572	1434	1387	1314	1258	1166	1427	1712	1728	1913	1959	1627
226 Small Hydro - Net	389	387	316	232	186	174	169	181	219	337	339	460	475	460
227 Other Resources	14658	14659	14690	14825	14996	15077	15081	15038	14347	13992	13030	13137	13043	14610
228 Cogeneration Resources	2610	2610	2629	2684	2703	2717	2720	2714	2072	2619	2139	2363	2616	2613
229 Combustion Turbine Resources	6475	6475	6482	6559	6708	6775	6781	6735	6688	6644	5645	5758	5984	6425
230 Large Thermal Resources	5310	5310	5317	5318	5322	5320	5326	5324	5325	4467	4985	4751	4182	5312
231 Renewable Resources	173	173	173	174	173	174	162	174	172	172	172	173	171	172
232 Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
233 Imports	934	934	794	735	983	1089	1062	1094	796	701	701	744	1007	1088
234 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
235 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
236 Inland Southwest	788	788	648	588	581	665	607	606	583	554	554	597	861	942

Loads and Resources - Pacific Northwest Region
Operating Year: 2023 Water Year: 1937
2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
237 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
238 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
239 Reserves & Losses	-3644	-3469	-3384	-3370	-3664	-3773	-3695	-3595	-3512	-3331	-3202	-3560	-3639	-3654
240 Contingency Reserves (Non-Spinning)	-967	-926	-878	-882	-974	-1025	-1010	-970	-931	-879	-844	-919	-970	-979
241 Contingency Reserves (Spinning)	-967	-926	-878	-882	-974	-1025	-1010	-970	-931	-879	-844	-919	-970	-979
242 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
243 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
244 Transmission Losses	-1186	-1093	-1105	-1096	-1205	-1211	-1163	-1145	-1139	-1062	-1003	-1211	-1187	-1184
245 Total Regional Resources	33890	31244	31601	31319	34440	34621	33235	32737	32559	30345	28682	34612	33929	33850
246 Total Surplus/Deficit	727	-1621	2464	1958	1667	-1236	-3054	-1341	1019	498	-997	6429	2440	15.8

Loads and Resources - Pacific Northwest Region

Operating Year: 2024 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
247 Retail Loads	32273	31974	28303	28530	31965	35100	35507	33194	30748	28955	28855	27329	30740	33034
248 Federal Agency	164	164	157	171	212	230	237	227	205	178	178	163	156	168
249 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
250 Cooperative	3031	3031	2798	2811	3193	3602	3530	3390	3065	3006	3006	2914	2970	3174
251 Municipality	3386	3386	3187	3607	4109	4470	4476	4283	3933	3623	3623	3138	3192	3407
252 Public Utility District	6089	6089	5735	6280	7193	7920	7955	7454	7031	6566	6566	5982	5850	6133
253 Investor-Owned Utility	19482	19482	16487	15956	17775	19558	19999	18565	17018	15746	15746	15113	18467	20137
254 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
255 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
256 Federal Diversity	-931	-1230	-1031	-1150	-1235	-1487	-1465	-1498	-1347	-1075	-1176	-976	-931	-1056
257 Exports	1288	1288	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1175
258 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
259 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
260 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
261 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
262 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
263 Total Regional Loads	33561	33262	29453	29680	33107	36243	36650	34336	31891	30098	30006	28479	31890	34208
Regional Resources														
264 Hydro Resources	21940	19121	19509	19133	22126	22225	20772	20209	20914	18977	18144	24437	23703	21811
265 Regulated Hydro - Net	20042	17226	17620	17466	20553	20737	19346	18863	19268	16927	16076	22064	21269	19725
266 Independent Hydro - Net	1509	1508	1572	1434	1387	1314	1258	1166	1427	1712	1728	1913	1959	1627
267 Small Hydro - Net	389	387	316	232	186	174	169	181	219	337	339	460	475	460
268 Other Resources	14605	14606	14690	14822	14994	15077	15081	15038	14347	14845	13365	12802	14178	14610
269 Cogeneration Resources	2610	2610	2629	2684	2703	2717	2720	2714	2072	2619	2139	2363	2616	2613
270 Combustion Turbine Resources	6422	6422	6482	6556	6706	6775	6781	6735	6688	6644	5645	5758	5984	6425
271 Large Thermal Resources	5310	5310	5317	5318	5322	5320	5326	5324	5325	5320	5320	4416	5317	5312
272 Renewable Resources	173	173	173	174	173	174	162	174	172	172	172	173	171	172
273 Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
274 Imports	942	942	799	739	986	1093	1065	1098	800	705	705	748	1016	1097
275 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
276 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
277 Inland Southwest	796	796	653	592	584	669	610	610	587	558	558	601	870	951

Loads and Resources - Pacific Northwest Region
Operating Year: 2024 Water Year: 1937
2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
278 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
279 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
280 Reserves & Losses	-3654	-3479	-3394	-3379	-3674	-3783	-3704	-3605	-3521	-3377	-3231	-3557	-3700	-3666
281 Contingency Reserves (Non-Spinning)	-974	-932	-883	-886	-979	-1031	-1016	-974	-936	-888	-853	-921	-979	-985
282 Contingency Reserves (Spinning)	-974	-932	-883	-886	-979	-1031	-1016	-974	-936	-888	-853	-921	-979	-985
283 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
284 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
285 Transmission Losses	-1184	-1091	-1106	-1095	-1205	-1211	-1162	-1145	-1138	-1090	-1014	-1204	-1231	-1184
286 Total Regional Resources	33832	31190	31604	31315	34433	34612	33214	32741	32540	31150	28983	34429	35198	33852
287 Total Surplus/Deficit	272	-2072	2150	1634	1325	-1631	-3436	-1595	649	1052	-1023	5950	3307	-356

Loads and Resources - Pacific Northwest Region

Operating Year: 2025 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
288 Retail Loads	32609	32413	28658	28838	32292	35417	35851	33638	31064	29237	29155	27609	31121	33417
289 Federal Agency	165	165	158	173	214	233	240	226	208	180	180	165	158	170
290 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
291 Cooperative	3077	3077	2843	2851	3234	3644	3572	3406	3105	3046	3046	2954	3010	3215
292 Municipality	3398	3398	3198	3618	4121	4482	4488	4292	3944	3634	3634	3149	3202	3418
293 Public Utility District	6130	6130	5774	6322	7239	7970	8000	7550	7071	6605	6605	6018	5886	6171
294 Investor-Owned Utility	19795	19795	16717	16170	18008	19815	20262	18808	17240	15953	15953	15319	18751	20454
295 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
296 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
297 Federal Diversity	-1009	-1204	-1003	-1150	-1243	-1534	-1488	-1418	-1349	-1092	-1174	-992	-923	-1081
298 Exports	1288	1288	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1175
299 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
300 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
301 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
302 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
303 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
304 Total Regional Loads	33896	33700	29808	29989	33435	36559	36993	34780	32206	30380	30306	28759	32271	34591
Regional Resources														
305 Hydro Resources	21947	19121	19505	19134	22129	22234	20791	20204	20933	18997	18167	24286	23522	21810
306 Regulated Hydro - Net	20050	17226	17617	17468	20555	20746	19365	18858	19287	16947	16099	21913	21088	19724
307 Independent Hydro - Net	1509	1508	1572	1434	1387	1314	1258	1166	1427	1712	1728	1913	1959	1627
308 Small Hydro - Net	389	387	316	232	186	174	169	181	219	337	339	460	475	460
309 Other Resources	14605	14606	14690	14822	14994	15077	15081	15038	14347	13633	12625	12802	13043	14610
310 Cogeneration Resources	2610	2610	2629	2684	2703	2717	2720	2714	2072	2147	2139	2363	2616	2613
311 Combustion Turbine Resources	6422	6422	6482	6556	6706	6775	6781	6735	6688	6644	5645	5758	5984	6425
312 Large Thermal Resources	5310	5310	5317	5318	5322	5320	5326	5324	5325	4580	4580	4416	4182	5312
313 Renewable Resources	173	173	173	174	173	174	162	174	172	172	172	173	171	172
314 Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
315 Imports	950	950	803	742	990	1097	1068	1101	804	708	708	751	1025	1107
316 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
317 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
318 Inland Southwest	804	804	657	595	588	673	613	613	591	561	561	604	879	961

Loads and Resources - Pacific Northwest Region
Operating Year: 2025 Water Year: 1937
2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
319 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
320 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
321 Reserves & Losses	-3667	-3488	-3404	-3388	-3684	-3794	-3701	-3600	-3516	-3318	-3201	-3541	-3646	-3664
322 Contingency Reserves (Non-Spinning)	-980	-937	-887	-891	-984	-1036	-1013	-971	-933	-878	-850	-915	-974	-984
323 Contingency Reserves (Spinning)	-980	-937	-887	-891	-984	-1036	-1013	-971	-933	-878	-850	-915	-974	-984
324 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
325 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
326 Transmission Losses	-1184	-1091	-1105	-1095	-1204	-1211	-1163	-1145	-1139	-1050	-990	-1200	-1187	-1185
327 Total Regional Resources	33835	31189	31595	31310	34429	34613	33239	32744	32567	30020	28299	34297	33944	33864
328 Total Surplus/Deficit	-60.9	-2511	1787	1321	995	-1946	-3754	-2036	361	-360	-2007	5538	1673	-728

Loads and Resources - Pacific Northwest Region

Operating Year: 2026 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
329 Retail Loads	32986	32827	28956	29157	32644	35741	36214	33991	31398	29537	29445	27937	31495	33839
330 Federal Agency	167	167	160	175	217	236	243	233	211	182	182	167	160	172
331 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
332 Cooperative	3117	3117	2882	2893	3277	3688	3616	3476	3147	3087	3087	2996	3052	3258
333 Municipality	3409	3409	3208	3629	4132	4494	4500	4307	3956	3645	3645	3160	3213	3429
334 Public Utility District	6168	6168	5810	6360	7282	8015	8050	7597	7115	6647	6647	6058	5925	6211
335 Investor-Owned Utility	20105	20105	16950	16388	18250	20074	20535	19056	17475	16170	16170	15535	19043	20781
336 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
337 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
338 Federal Diversity	-1033	-1192	-1026	-1143	-1233	-1573	-1506	-1451	-1349	-1105	-1197	-973	-934	-1083
339 Exports	1288	1288	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1175
340 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
341 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
342 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
343 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
344 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
345 Total Regional Loads	34274	34114	30106	30307	33787	36884	37357	35134	32541	30680	30595	29088	32645	35014
Regional Resources														
346 Hydro Resources	21944	19125	19513	19137	22131	22210	20757	20196	20898	18961	18128	24431	23688	21796
347 Regulated Hydro - Net	20046	17231	17625	17470	20558	20722	19331	18849	19252	16912	16061	22058	21253	19709
348 Independent Hydro - Net	1509	1508	1572	1434	1387	1314	1258	1166	1427	1712	1728	1913	1959	1627
349 Small Hydro - Net	389	387	316	232	186	174	169	181	219	337	339	460	475	460
350 Other Resources	14605	14606	14690	14822	14994	14407	14278	14235	13543	13524	12562	12333	13375	13806
351 Cogeneration Resources	2610	2610	2629	2684	2703	2717	2720	2714	2072	2619	2139	2363	2616	2613
352 Combustion Turbine Resources	6422	6422	6482	6556	6706	6775	6781	6735	6688	6644	5645	5758	5984	6425
353 Large Thermal Resources	5310	5310	5317	5318	5322	4650	4522	4520	4521	3998	4516	3947	4513	4508
354 Renewable Resources	173	173	173	174	173	174	162	174	172	172	172	173	171	172
355 Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
356 Imports	958	958	808	746	993	1100	1071	1104	808	712	712	755	1035	1117
357 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
358 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
359 Inland Southwest	812	812	662	599	591	676	616	616	595	565	565	608	889	971

Loads and Resources - Pacific Northwest Region
Operating Year: 2026 Water Year: 1937
2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
360 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
361 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
362 Reserves & Losses	-3664	-3489	-3399	-3383	-3679	-3747	-3656	-3557	-3470	-3308	-3180	-3527	-3654	-3623
363 Contingency Reserves (Non-Spinning)	-978	-937	-885	-888	-981	-1024	-1005	-963	-924	-876	-841	-913	-969	-977
364 Contingency Reserves (Spinning)	-978	-937	-885	-888	-981	-1024	-1005	-963	-924	-876	-841	-913	-969	-977
365 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
366 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
367 Transmission Losses	-1184	-1091	-1106	-1096	-1205	-1188	-1135	-1119	-1112	-1046	-987	-1189	-1205	-1158
368 Total Regional Resources	33843	31200	31613	31323	34440	33970	32449	31978	31779	29889	28222	33992	34444	33096
369 Total Surplus/Deficit	-431	-2914	1506	1015	653	-2914	-4907	-3156	-761	-791	-2373	4904	1798	-1917

Loads and Resources - Pacific Northwest Region

Operating Year: 2027 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
370 Retail Loads	33411	33256	29284	29498	32908	36079	36573	34293	31651	29847	29738	28175	31847	34269
371 Federal Agency	169	169	162	176	219	238	245	235	212	183	183	168	161	173
372 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
373 Cooperative	3160	3160	2924	2937	3322	3734	3634	3493	3163	3100	3100	3009	3065	3272
374 Municipality	3420	3420	3219	3614	4114	4473	4481	4290	3939	3631	3631	3149	3204	3420
375 Public Utility District	6206	6206	5847	6463	7330	8056	8104	7651	7163	6730	6730	6068	5963	6287
376 Investor-Owned Utility	20430	20430	17191	16609	18491	20340	20812	19303	17711	16392	16392	15753	19340	21114
377 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
378 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
379 Federal Diversity	-1026	-1181	-1029	-1156	-1286	-1569	-1479	-1452	-1381	-1101	-1210	-966	-922	-1068
380 Exports	1288	1288	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1175
381 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
382 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
383 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
384 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
385 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
386 Total Regional Loads	34698	34544	30435	30648	34050	37221	37716	35435	32793	30989	30888	29326	32998	35443
Regional Resources														
387 Hydro Resources	21932	19109	19489	19120	22113	22218	20776	20189	20917	18981	18152	24279	23506	21795
388 Regulated Hydro - Net	20034	17214	17601	17454	20540	20730	19349	18843	19270	16932	16084	21906	21071	19709
389 Independent Hydro - Net	1509	1508	1572	1434	1387	1314	1258	1166	1427	1712	1728	1913	1959	1627
390 Small Hydro - Net	389	387	316	232	186	174	169	181	219	337	339	460	475	460
391 Other Resources	13801	13802	13887	14021	14193	14273	14278	14235	13543	14042	12562	12333	12240	13806
392 Cogeneration Resources	2610	2610	2629	2684	2703	2717	2720	2714	2072	2619	2139	2363	2616	2613
393 Combustion Turbine Resources	6422	6422	6482	6559	6708	6775	6781	6735	6688	6644	5645	5758	5984	6425
394 Large Thermal Resources	4506	4506	4513	4514	4518	4516	4522	4520	4521	4516	4516	3947	3378	4508
395 Renewable Resources	173	173	173	174	173	174	162	174	172	172	172	173	171	172
396 Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
397 Imports	967	967	812	750	996	1104	1075	1107	811	716	716	759	1044	1127
398 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
399 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400 Inland Southwest	821	821	666	603	594	680	620	619	598	569	569	612	898	981

Loads and Resources - Pacific Northwest Region
Operating Year: 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*
S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
401 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
402 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
403 Reserves & Losses	-3623	-3447	-3354	-3339	-3633	-3745	-3667	-3565	-3479	-3336	-3190	-3524	-3614	-3635
404 Contingency Reserves (Non-Spinning)	-971	-929	-876	-879	-972	-1025	-1010	-968	-928	-881	-846	-914	-971	-983
405 Contingency Reserves (Spinning)	-971	-929	-876	-879	-972	-1025	-1010	-968	-928	-881	-846	-914	-971	-983
406 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
407 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
408 Transmission Losses	-1157	-1065	-1079	-1069	-1178	-1184	-1136	-1118	-1112	-1064	-988	-1184	-1161	-1158
409 Total Regional Resources	33077	30431	30834	30553	33669	33851	32461	31966	31791	30403	28240	33846	33175	33094
410 Total Surplus/Deficit	-1621	-4113	399	-95.4	-381	-3371	-5255	-3469	-1002	-586	-2649	4521	177	-2349

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Exhibit 14
BPA Sales to Preference and Legacy Customers

Monthly 120-Hour Capacity
Operating Year 2018 to 2027
Using 1937-Water Conditions

BPA Sales to Preference and Legacy Customers
Operating Year 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 DSI Obligation	24.5	24.5	24.2	25.1	25.0	24.7	25.2	24.7	89.9	90.3	90.3	89.9	89.3	89.4
2 Direct Service Industry	24.5	24.5	24.2	25.1	25.0	24.7	25.2	24.7	89.9	90.3	90.3	89.9	89.3	89.4
3 Load Following	4296	4296	4009	4247	4941	5591	5545	5296	4767	4498	4498	4108	4090	4386
4 Cooperative	2613	2613	2390	2340	2713	3117	3043	2904	2585	2521	2521	2419	2472	2667
5 Municipality	788	788	722	762	888	987	1004	961	859	778	778	705	724	802
6 Other	0	0	0	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
7 Public Utility District	762	762	769	1001	1160	1290	1296	1237	1148	1050	1050	847	764	777
8 Federal Entities	133	133	128	139	175	192	196	188	171	145	145	133	125	135
9 Slice Block	1608	1608	1678	1608	1984	2205	2233	2062	1919	1616	1616	1429	1338	1556
10 Municipality	490	490	614	526	735	800	830	786	758	521	521	341	269	441
11 Public Utility District	1118	1118	1065	1083	1248	1404	1403	1276	1161	1095	1095	1088	1069	1114
12 Slice Output from T1 System	2488	1949	1928	2044	2669	2607	2318	2049	2395	1905	2184	3161	2867	2075
13 Municipality	835	654	647	686	896	875	778	688	804	640	733	1061	963	697
14 Public Utility District	1652	1295	1281	1358	1773	1732	1540	1361	1591	1265	1451	2100	1904	1378
15 Tier 1 Block	11.7	11.7	24.2	0	0	0	0	0	0	0	0	0	0	0
16 Public Utility District	11.7	11.7	24.2	0	0	0	0	0	0	0	0	0	0	0
17 USBR Obligation	614	614	532	415	279	368	336	334	405	472	472	556	598	632
18 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
Total Power Sales Contracts														
19 Cooperative	2613	2613	2390	2340	2713	3117	3043	2904	2585	2521	2521	2419	2472	2667
20 Direct Service Industry	24.5	24.5	24.2	25.1	25.0	24.7	25.2	24.7	89.9	90.3	90.3	89.9	89.3	89.4
21 Federal Entities	133	133	128	139	175	192	196	188	171	145	145	133	125	135
22 Municipality	2113	1932	1983	1974	2519	2663	2612	2435	2421	1939	2032	2107	1955	1940
23 Other				5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
24 Public Utility District	3544	3186	3138	3441	4181	4426	4239	3875	3900	3410	3596	4035	3737	3270
25 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
26 Total Power Sales Contracts	9041	8503	8196	8339	9898	10796	10457	9766	9576	8581	8861	9344	8982	8738

BPA Sales to Preference and Legacy Customers

Operating Year 2019 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
27 DSI Obligation	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
28 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
29 Load Following	4291	4291	4010	4288	4988	5638	5591	5339	4807	4535	4535	4142	4125	4423
30 Cooperative	2571	2571	2351	2357	2731	3135	3061	2921	2601	2538	2538	2436	2489	2685
31 Municipality	801	801	734	767	893	992	1005	961	857	776	776	702	722	801
32 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
33 Public Utility District	780	780	791	1010	1169	1299	1307	1248	1159	1061	1061	857	774	787
34 Federal Entities	133	133	129	149	189	207	213	204	184	155	155	141	135	145
35 Slice Block	1550	1550	1620	1657	2044	2272	2300	2124	1977	1665	1665	1473	1379	1602
36 Municipality	462	462	584	540	755	822	852	807	778	535	535	351	277	454
37 Public Utility District	1088	1088	1035	1117	1289	1450	1449	1317	1199	1130	1130	1122	1102	1148
38 Slice Output from T1 System	2652	1987	2183	2055	2676	2623	2314	2025	2364	1904	2186	3083	2520	2035
39 Municipality	890	667	733	690	898	881	777	680	794	639	734	1035	846	683
40 Public Utility District	1761	1320	1450	1365	1777	1742	1537	1345	1570	1265	1452	2048	1674	1352
41 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Public Utility District	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 USBR Obligation	614	614	532	415	279	368	336	334	405	472	472	556	598	632
44 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
Total Power Sales Contracts														
45 Cooperative	2571	2571	2351	2357	2731	3135	3061	2921	2601	2538	2538	2436	2489	2685
46 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
47 Federal Entities	133	133	129	149	189	207	213	204	184	155	155	141	135	145
48 Municipality	2153	1930	2052	1997	2546	2695	2633	2448	2429	1951	2045	2088	1846	1938
49 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
50 Public Utility District	3630	3188	3277	3492	4235	4491	4293	3910	3928	3456	3643	4027	3550	3287
51 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
52 Total Power Sales Contracts	9196	8531	8435	8505	10077	10991	10631	9912	9642	8667	8948	9343	8711	8782

BPA Sales to Preference and Legacy Customers

Operating Year 2020 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
53 DSI Obligation	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
54 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
55 Load Following	4328	4328	4039	4335	5039	5690	5672	5417	4882	4610	4610	4216	4199	4499
56 Cooperative	2590	2590	2368	2391	2764	3166	3094	2952	2631	2571	2571	2467	2520	2718
57 Municipality	799	799	732	768	895	995	1034	990	887	805	805	732	751	830
58 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
59 Public Utility District	791	791	796	1014	1175	1306	1314	1255	1166	1067	1067	864	780	793
60 Federal Entities	143	143	137	156	200	218	225	215	193	162	162	148	141	153
61 Slice Block	1596	1596	1668	1634	2014	2237	2265	2021	1948	1641	1641	1449	1359	1580
62 Municipality	475	475	600	529	741	806	836	765	764	523	523	342	269	443
63 Public Utility District	1121	1121	1068	1104	1272	1430	1429	1256	1184	1118	1118	1108	1091	1137
64 Slice Output from T1 System	2673	2028	2234	2028	2784	2728	2373	2336	2505	2041	1834	3205	2872	2400
65 Municipality	898	681	750	681	935	916	797	784	841	685	616	1076	964	806
66 Public Utility District	1776	1347	1484	1347	1849	1812	1576	1551	1664	1356	1218	2129	1908	1594
67 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Public Utility District	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 USBR Obligation	614	614	532	415	279	368	336	334	405	472	472	556	598	632
70 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
Total Power Sales Contracts														
71 Cooperative	2590	2590	2368	2391	2764	3166	3094	2952	2631	2571	2571	2467	2520	2718
72 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
73 Federal Entities	143	143	137	156	200	218	225	215	193	162	162	148	141	153
74 Municipality	2171	1955	2082	1979	2571	2716	2667	2539	2491	2014	1944	2149	1984	2080
75 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
76 Public Utility District	3688	3259	3348	3466	4297	4548	4320	4062	4015	3541	3403	4101	3779	3524
77 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
78 Total Power Sales Contracts	9300	8655	8562	8502	10206	11112	10737	10197	9830	8854	8647	9516	9117	9201

BPA Sales to Preference and Legacy Customers

Operating Year 2021 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
79 DSI Obligation	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
80 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
81 Load Following	4404	4404	4114	4393	5097	5749	5712	5423	4920	4646	4646	4248	4233	4538
82 Cooperative	2623	2623	2401	2405	2777	3180	3114	2946	2650	2589	2589	2485	2539	2739
83 Municipality	829	829	762	798	926	1025	1039	992	891	810	810	736	756	835
84 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
85 Public Utility District	797	797	802	1027	1187	1318	1327	1267	1179	1079	1079	872	790	805
86 Federal Entities	150	150	143	157	202	220	227	213	195	164	164	149	143	154
87 Slice Block	1574	1574	1646	1676	2066	2295	2324	2147	1998	1684	1684	1488	1395	1621
88 Municipality	465	465	589	542	759	826	856	811	782	537	537	351	276	455
89 Public Utility District	1110	1110	1057	1134	1307	1469	1468	1336	1216	1147	1147	1137	1119	1166
90 Slice Output from T1 System	2535	2004	2080	1998	2743	2679	2367	2296	2459	2005	1791	3149	2476	2358
91 Municipality	851	673	698	671	921	900	795	771	826	673	601	1057	831	792
92 Public Utility District	1684	1331	1381	1327	1822	1780	1573	1525	1634	1332	1190	2092	1645	1567
93 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Public Utility District	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 USBR Obligation	614	614	532	415	279	368	336	334	405	472	472	556	598	632
96 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
Total Power Sales Contracts														
97 Cooperative	2623	2623	2401	2405	2777	3180	3114	2946	2650	2589	2589	2485	2539	2739
98 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
99 Federal Entities	150	150	143	157	202	220	227	213	195	164	164	149	143	154
100 Municipality	2145	1967	2049	2012	2606	2750	2690	2574	2499	2019	1948	2144	1863	2082
101 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
102 Public Utility District	3591	3238	3240	3488	4316	4567	4367	4128	4029	3558	3416	4101	3554	3537
103 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
104 Total Power Sales Contracts	9217	8685	8460	8573	10276	11182	10830	10290	9873	8897	8683	9531	8792	9238

BPA Sales to Preference and Legacy Customers

Operating Year 2022 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
105 DSI Obligation	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
106 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
107 Load Following	4443	4443	4142	4413	5119	5773	5736	5479	4941	4666	4666	4267	4252	4559
108 Cooperative	2644	2644	2421	2417	2789	3194	3128	2985	2662	2602	2602	2497	2551	2752
109 Municipality	834	834	767	803	931	1031	1045	1001	896	814	814	740	760	840
110 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
111 Public Utility District	809	809	805	1030	1190	1322	1330	1270	1182	1081	1081	875	793	807
112 Federal Entities	152	152	145	158	203	221	228	218	196	165	165	150	143	155
113 Slice Block	1615	1615	1688	1640	2021	2245	2274	2101	1955	1648	1648	1456	1365	1586
114 Municipality	476	476	603	531	743	808	838	794	765	525	525	344	271	445
115 Public Utility District	1139	1139	1085	1109	1278	1437	1436	1307	1190	1122	1122	1113	1095	1140
116 Slice Output from T1 System	2489	1962	2028	2034	2759	2727	2391	2329	2490	2031	1821	3219	2864	2400
117 Municipality	836	659	681	683	926	915	803	782	836	682	611	1081	962	806
118 Public Utility District	1654	1303	1347	1351	1833	1811	1588	1547	1654	1349	1210	2138	1903	1594
119 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120 Public Utility District	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 USBR Obligation	614	614	532	415	279	368	336	334	405	472	472	556	598	632
122 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
Total Power Sales Contracts														
123 Cooperative	2644	2644	2421	2417	2789	3194	3128	2985	2662	2602	2602	2497	2551	2752
124 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
125 Federal Entities	152	152	145	158	203	221	228	218	196	165	165	150	143	155
126 Municipality	2146	1969	2051	2017	2600	2754	2685	2576	2498	2022	1951	2165	1992	2091
127 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
128 Public Utility District	3601	3251	3237	3490	4302	4570	4354	4124	4025	3553	3413	4126	3790	3542
129 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
130 Total Power Sales Contracts	9251	8723	8479	8592	10268	11203	10827	10332	9882	8908	8697	9588	9169	9266

BPA Sales to Preference and Legacy Customers

Operating Year 2023 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
131 DSI Obligation	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
132 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
133 Load Following	4464	4464	4172	4444	5151	5807	5768	5510	4971	4695	4695	4295	4280	4589
134 Cooperative	2657	2657	2433	2438	2812	3218	3149	3005	2681	2620	2620	2514	2568	2771
135 Municipality	839	839	771	807	935	1035	1051	1006	902	819	819	745	765	846
136 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
137 Public Utility District	811	811	817	1035	1196	1328	1336	1276	1187	1087	1087	880	798	812
138 Federal Entities	153	153	145	158	202	221	227	218	196	164	164	150	143	155
139 Slice Block	1580	1580	1651	1685	2077	2308	2336	2159	2009	1694	1694	1497	1404	1629
140 Municipality	466	466	590	545	762	830	860	815	786	540	540	354	279	458
141 Public Utility District	1114	1114	1061	1140	1314	1478	1476	1343	1223	1153	1153	1143	1125	1171
142 Slice Output from T1 System	2518	1997	2059	1972	2697	2666	2333	2265	2432	1974	1764	3118	2462	2337
143 Municipality	845	671	691	662	906	895	783	760	817	663	592	1047	827	785
144 Public Utility District	1673	1327	1368	1310	1792	1771	1550	1504	1616	1311	1172	2071	1635	1553
145 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146 Public Utility District	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 USBR Obligation	614	614	532	415	279	368	336	334	405	472	472	556	598	632
148 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
Total Power Sales Contracts														
149 Cooperative	2657	2657	2433	2438	2812	3218	3149	3005	2681	2620	2620	2514	2568	2771
150 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
151 Federal Entities	153	153	145	158	202	221	227	218	196	164	164	150	143	155
152 Municipality	2151	1976	2052	2015	2603	2760	2694	2582	2504	2022	1952	2146	1871	2088
153 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
154 Public Utility District	3597	3251	3246	3485	4302	4576	4362	4124	4026	3551	3412	4094	3558	3536
155 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
156 Total Power Sales Contracts	9265	8744	8503	8606	10294	11239	10865	10357	9907	8925	8716	9555	8833	9276

BPA Sales to Preference and Legacy Customers

Operating Year 2024 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
157 DSI Obligation	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
158 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
159 Load Following	4494	4494	4202	4469	5178	5836	5797	5536	4996	4720	4720	4318	4303	4614
160 Cooperative	2676	2676	2452	2453	2827	3234	3166	3020	2696	2636	2636	2529	2583	2787
161 Municipality	844	844	776	811	940	1040	1055	1010	905	822	822	748	768	849
162 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
163 Public Utility District	816	816	822	1040	1202	1334	1342	1282	1193	1092	1092	886	803	817
164 Federal Entities	152	152	145	159	204	222	229	219	197	166	166	151	144	156
165 Slice Block	1623	1623	1696	1654	2038	2265	2294	2046	1972	1662	1662	1470	1378	1599
166 Municipality	479	479	606	536	749	815	845	773	772	531	531	348	275	450
167 Public Utility District	1144	1144	1090	1119	1289	1450	1448	1273	1200	1132	1132	1122	1104	1149
168 Slice Output from T1 System	2455	1935	1998	2036	2761	2728	2392	2330	2491	2035	1825	3218	2865	2401
169 Municipality	824	650	671	683	927	916	803	782	836	683	613	1080	962	806
170 Public Utility District	1630	1285	1327	1352	1834	1812	1589	1547	1655	1352	1212	2138	1903	1595
171 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172 Public Utility District	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 USBR Obligation	614	614	532	415	279	368	336	334	405	472	472	556	598	632
174 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
Total Power Sales Contracts														
175 Cooperative	2676	2676	2452	2453	2827	3234	3166	3020	2696	2636	2636	2529	2583	2787
176 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
177 Federal Entities	152	152	145	159	204	222	229	219	197	166	166	151	144	156
178 Municipality	2148	1973	2053	2030	2616	2771	2703	2566	2513	2036	1965	2176	2005	2105
179 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
180 Public Utility District	3591	3245	3240	3511	4325	4596	4380	4102	4048	3576	3436	4145	3810	3562
181 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
182 Total Power Sales Contracts	9275	8755	8517	8664	10346	11287	10909	10336	9955	8980	8770	9652	9234	9335

BPA Sales to Preference and Legacy Customers

Operating Year 2025 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
183 DSI Obligation	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
184 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
185 Load Following	4520	4520	4226	4488	5200	5859	5821	5525	5016	4739	4739	4336	4320	4633
186 Cooperative	2692	2692	2468	2461	2836	3245	3176	3003	2704	2643	2643	2535	2589	2794
187 Municipality	848	848	779	815	944	1045	1060	1012	909	826	826	752	773	854
188 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
189 Public Utility District	821	821	827	1046	1208	1340	1348	1287	1198	1098	1098	891	808	822
190 Federal Entities	153	153	146	161	206	225	232	218	200	168	168	153	146	158
191 Slice Block	1593	1593	1665	1691	2083	2315	2344	2166	2015	1699	1699	1503	1409	1634
192 Municipality	471	471	595	548	766	834	864	819	789	543	543	357	282	461
193 Public Utility District	1122	1122	1069	1143	1318	1482	1480	1347	1226	1156	1156	1146	1127	1174
194 Slice Output from T1 System	2519	1997	2060	1937	2662	2631	2298	2229	2397	1941	1732	3080	2426	2302
195 Municipality	846	671	692	650	894	883	772	748	805	652	581	1034	815	773
196 Public Utility District	1673	1327	1368	1287	1768	1748	1526	1481	1592	1289	1150	2046	1612	1529
197 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198 Public Utility District	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 USBR Obligation	614	614	532	415	279	368	336	334	405	472	472	556	598	632
200 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
Total Power Sales Contracts														
201 Cooperative	2692	2692	2468	2461	2836	3245	3176	3003	2704	2643	2643	2535	2589	2794
202 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
203 Federal Entities	153	153	146	161	206	225	232	218	200	168	168	153	146	158
204 Municipality	2165	1990	2066	2013	2604	2762	2695	2579	2504	2021	1951	2143	1869	2087
205 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
206 Public Utility District	3617	3271	3265	3475	4294	4569	4355	4114	4017	3543	3404	4083	3547	3525
207 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
208 Total Power Sales Contracts	9335	8813	8572	8621	10314	11264	10889	10344	9924	8942	8732	9564	8843	9290

BPA Sales to Preference and Legacy Customers

Operating Year 2026 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
209 DSI Obligation	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
210 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
211 Load Following	4538	4538	4243	4512	5226	5887	5849	5586	5041	4762	4762	4358	4342	4657
212 Cooperative	2699	2699	2474	2473	2849	3258	3190	3042	2716	2655	2655	2546	2600	2807
213 Municipality	852	852	784	819	949	1050	1065	1020	914	830	830	756	777	858
214 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
215 Public Utility District	826	826	832	1051	1213	1346	1354	1293	1204	1103	1103	896	813	827
216 Federal Entities	155	155	148	163	209	228	235	225	202	170	170	155	148	160
217 Slice Block	1628	1628	1701	1653	2037	2264	2292	2118	1971	1661	1661	1470	1378	1598
218 Municipality	482	482	609	536	748	815	845	801	772	531	531	348	275	450
219 Public Utility District	1146	1146	1092	1118	1289	1449	1448	1317	1199	1131	1131	1121	1102	1148
220 Slice Output from T1 System	2419	1899	1963	2037	2762	2724	2388	2326	2487	2031	1821	3217	2861	2397
221 Municipality	812	638	659	684	927	915	802	781	835	682	611	1080	961	805
222 Public Utility District	1607	1262	1304	1353	1835	1809	1586	1545	1652	1349	1209	2137	1901	1592
223 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
224 Public Utility District	0	0	0	0	0	0	0	0	0	0	0	0	0	0
225 USBR Obligation	614	614	532	415	279	368	336	334	405	472	472	556	598	632
226 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
Total Power Sales Contracts														
227 Cooperative	2699	2699	2474	2473	2849	3258	3190	3042	2716	2655	2655	2546	2600	2807
228 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
229 Federal Entities	155	155	148	163	209	228	235	225	202	170	170	155	148	160
230 Municipality	2147	1972	2051	2039	2625	2779	2712	2602	2521	2043	1972	2184	2013	2113
231 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
232 Public Utility District	3580	3234	3229	3522	4337	4604	4388	4155	4055	3583	3443	4154	3816	3568
233 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
234 Total Power Sales Contracts	9289	8769	8528	8707	10394	11333	10956	10453	9994	9017	8807	9689	9268	9373

BPA Sales to Preference and Legacy Customers

Operating Year 2027 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
235 DSI Obligation	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
236 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
237 Load Following	4563	4563	4266	4546	5261	5924	5869	5604	5058	4775	4775	4369	4354	4670
238 Cooperative	2711	2711	2486	2497	2874	3284	3198	3049	2722	2658	2658	2548	2602	2810
239 Municipality	857	857	788	822	953	1054	1069	1024	917	833	833	759	780	862
240 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
241 Public Utility District	831	831	837	1056	1219	1352	1360	1299	1210	1108	1108	902	818	832
242 Federal Entities	157	157	150	164	211	230	237	227	204	171	171	156	149	161
243 Slice Block	1592	1592	1663	1687	2078	2310	2339	2161	2009	1694	1694	1499	1405	1630
244 Municipality	471	471	595	542	757	824	855	810	780	535	535	350	275	454
245 Public Utility District	1121	1121	1068	1146	1321	1486	1484	1350	1229	1159	1159	1149	1130	1176
246 Slice Output from T1 System	2515	1994	2056	1948	2673	2642	2309	2240	2408	1952	1743	3093	2437	2313
247 Municipality	844	670	690	654	898	887	775	752	808	655	585	1039	818	777
248 Public Utility District	1671	1325	1366	1294	1776	1755	1534	1488	1600	1297	1158	2055	1619	1536
249 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
250 Public Utility District	0	0	0	0	0	0	0	0	0	0	0	0	0	0
251 USBR Obligation	614	614	532	415	279	368	336	334	405	472	472	556	598	632
252 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
Total Power Sales Contracts														
253 Cooperative	2711	2711	2486	2497	2874	3284	3198	3049	2722	2658	2658	2548	2602	2810
254 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
255 Federal Entities	157	157	150	164	211	230	237	227	204	171	171	156	149	161
256 Municipality	2173	1998	2073	2018	2607	2764	2699	2587	2506	2024	1953	2147	1874	2092
257 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
258 Public Utility District	3623	3277	3271	3496	4316	4593	4378	4137	4038	3564	3425	4105	3566	3545
259 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
260 Total Power Sales Contracts	9373	8852	8607	8687	10382	11334	10943	10429	9970	8984	8774	9607	8883	9335

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***Exhibit 15
Regional Regulated Hydro***

***Monthly 120-Hour Capacity
Operating Year 2018 to 2027
Using 1937-Water Conditions***

Regional: Regulated Hydro
Operating Year 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	37.2	37.2	48.4	40.1	25.1	21.4	22.5	22.0	22.0	28.5	33.7	38.8	46.9	42.1
2 Alder Hydroelectric	37.1	30.5	0	0	0	42.0	37.6	33.9	29.5	30.3	0	45.4	50.7	48.0
3 Bonneville	887	887	853	874	872	930	960	949	938	935	935	928	986	953
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	912	676
5 Box Canyon Dam	64.9	65.0	64.5	62.9	63.0	63.9	64.6	64.2	64.2	82.8	81.5	76.8	71.2	70.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	56.6	55.4	55.4	65.4	65.6	65.0	63.9	63.2	62.8	4.00	3.00	3.00	64.9	67.0
9 Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
10 Cushman 1	36.2	30.3	26.7	22.7	21.8	18.8	16.5	16.1	17.5	21.7	24.2	23.5	24.8	23.8
11 Cushman 2	88.0	88.0	0.33	0.99	3.30	88.0	5.93	88.0	3.63	1.98	1.98	88.0	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	4263	4413	4024	4229	4977	4691	4844	4971	4854	4237	3975	3921	4236	4521
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	351	344	287	287	290	313	318	285	236	238	210	224	353	356
19 Ice Harbor	510	497	567	523	533	601	586	620	626	654	630	657	679	561
20 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	63.7	64.0	64.0	64.0	63.3	63.9	63.5	63.4	63.3	64.0	63.5	63.5	63.3
23 Libby	483	465	512	467	556	583	483	500	480	469	502	572	579	574
24 Little Falls	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.4	34.2	33.6	36.0	36.6
25 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
26 Long Lake	72.0	72.0	72.2	72.2	72.2	68.6	65.2	65.2	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	0	0	0	0	55.9	49.7	49.7	-41.0	-46.0	62.3	66.7	70.6
28 Lower Granite	510	504	575	606	622	697	737	832	843	776	835	853	857	725
29 Lower Monumental	682	746	788	685	744	739	810	861	838	830	915	912	904	801
30 Mayfield	125	125	125	125	125	169	125	125	125	125	125	83.6	144	125
31 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
32 Merwin	147	146	140	130	134	128	113	113	113	113	124	124	130	147
33 Monroe Street	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
34 Mossyrock	378	378	378	365	327	252	168	148	166	203	242	0	378	378
35 Nine Mile	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.3	16.5	16.2	17.2	17.6
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	341	441	441	441	433	433	441	441	441	544	541	541
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103
41 Pelton Rereq	10.1	10.1	-4.36	11.3	10.5	9.45	8.70	9.83	10.4	11.6	12.2	11.5	10.2	11.3
42 Post Falls	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	15.0	13.2	17.2	17.2
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	571	578	565	539	526	553	582	590	602	602	594	570	572	581
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	395	393	348	302	409	362	291	191	187	189	250	361	443
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	142	264	229	168	0.21	154	152	158	0.23	233	264	264
50 Swift 2	62.1	62.1	41.3	62.4	69.4	76.1	0.10	76.1	76.1	76.1	0.10	76.1	63.4	60.6
51 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	101	97.7	90.7	35.9	84.4	0.06	41.2	84.4	93.6	103	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	9.38	8.68	8.44	9.16	10.2
55 Wanapum	671	665	661	661	706	668	661	661	661	661	668	674	672	663
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	111	133	130	122	108	94.0	94.0	106	106	0	133	131

Regional: Regulated Hydro
Operating Year 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Regulated Hydro														
58 Federal Entities	16079	16219	15900	15576	16733	17292	17590	17956	17545	16770	16785	16975	17603	17126
59 Investor Owned Utilities	4318	4248	3994	4191	4303	4301	4158	4298	4234	4160	4068	4461	4595	4559
60 Marketer	806	782	726	709	727	756	782	782	775	752	776	768	790	802
61 Municipality	2269	2232	2262	2201	2133	2187	1967	1958	1775	1836	1810	1988	2409	2317
62 Public Utility District	2294	2293	2153	2190	2241	2239	2165	2222	2169	2122	2168	2250	2311	2300
63 Total Regulated Hydro	25766	25773	25035	24868	26137	26774	26662	27216	26499	25641	25607	26442	27708	27103

Regional: Regulated Hydro
Operating Year 2019 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	41.9	41.9	48.3	40.1	25.1	21.4	22.5	22.0	22.0	28.5	33.7	38.8	46.9	42.1
2 Alder Hydroelectric	37.1	0	0	0	0	42.0	37.6	33.9	29.5	30.3	0	45.4	50.7	48.0
3 Bonneville	887	887	853	874	872	930	960	949	938	935	935	928	986	953
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	912	676
5 Box Canyon Dam	64.9	65.2	64.4	62.9	63.0	63.9	64.6	64.2	64.2	82.8	81.5	76.8	71.2	70.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	2.00	65.4	65.4	65.6	65.0	63.9	63.2	62.8	4.00	3.00	3.00	64.9	67.0
9 Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
10 Cushman 1	26.7	23.9	23.4	22.7	21.8	18.8	16.5	16.1	17.5	21.7	24.2	23.5	24.8	23.8
11 Cushman 2	88.0	0	0.33	0.99	3.30	88.0	5.93	88.0	3.63	1.98	1.98	88.0	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	4254	4392	4024	4229	4977	4691	4844	4970	4852	4236	3974	3921	4236	4521
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	351	344	287	287	290	313	318	285	236	238	210	224	353	356
19 Ice Harbor	510	497	567	523	533	601	586	620	626	654	630	657	679	561
20 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	64.0	64.0	64.0	64.0	63.3	63.9	63.5	63.4	63.3	64.0	63.5	63.5	63.3
23 Libby	483	465	512	467	556	583	483	500	480	469	502	572	579	574
24 Little Falls	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.4	34.2	33.6	36.0	36.6
25 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
26 Long Lake	72.0	72.2	72.5	72.2	72.2	68.6	65.2	65.2	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	56.3	0	0	0	0	55.9	49.7	49.7	-41.0	-46.0	62.3	66.7	70.6
28 Lower Granite	445	504	575	606	622	697	737	832	843	776	835	853	857	725
29 Lower Monumental	682	746	788	685	744	739	810	861	838	830	915	912	904	801
30 Mayfield	125	125	125	125	125	169	125	125	125	125	125	83.6	144	125
31 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
32 Merwin	147	140	135	130	134	128	113	113	113	113	124	124	130	147
33 Monroe Street	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
34 Mossyrock	378	378	378	365	327	252	168	148	166	203	242	0	378	378
35 Nine Mile	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.3	16.5	16.2	17.2	17.6
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	306	369	441	441	441	433	433	441	441	441	544	541	541
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103
41 Pelton Rereq	10.1	9.72	-4.43	11.3	10.5	9.45	8.70	9.83	10.4	11.6	12.2	11.5	10.2	11.3
42 Post Falls	17.2	17.0	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	15.0	13.2	17.2	17.2
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	570	578	565	539	526	553	582	590	602	602	594	570	572	581
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	307	395	348	302	409	362	291	191	187	189	250	361	443
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	65.9	243	264	229	168	0.21	154	152	158	0.23	233	264	264
50 Swift 2	62.1	18.8	60.7	62.4	69.4	76.1	0.10	76.1	76.1	76.1	0.10	76.1	63.4	60.6
51 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	101	97.7	90.7	35.9	84.4	0.06	41.2	84.4	93.6	103	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	9.38	8.68	8.44	9.16	10.2
55 Wanapum	672	665	661	661	706	668	661	661	661	661	668	674	672	663
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	0	133	133	130	122	108	94.0	94.0	106	106	0	133	131

Regional: Regulated Hydro
Operating Year 2019 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Regulated Hydro														
58 Federal Entities	16010	16203	15899	15576	16733	17292	17590	17956	17544	16769	16784	16975	17603	17126
59 Investor Owned Utilities	4317	3906	3701	3732	3844	3842	3699	3843	3816	3740	3630	4002	4136	4114
60 Marketer	806	782	726	709	727	756	782	782	775	752	776	768	790	802
61 Municipality	2260	2019	2261	2201	2133	2187	1967	1958	1775	1836	1810	1988	2409	2317
62 Public Utility District	2304	2177	2621	2649	2699	2697	2624	2677	2587	2542	2606	2709	2769	2746
63 Total Regulated Hydro	25698	25087	25207	24868	26137	26774	26662	27216	26498	25639	25606	26442	27708	27103

Regional: Regulated Hydro
Operating Year 2020 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	41.9	41.9	48.3	40.1	25.1	21.4	22.5	22.0	22.0	28.5	33.7	38.8	46.9	42.1
2 Alder Hydroelectric	37.1	0	0	0	0	42.0	33.0	4.28	37.0	36.3	41.1	43.1	48.3	48.7
3 Bonneville	887	887	853	874	872	930	960	949	938	935	935	928	986	953
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	912	676
5 Box Canyon Dam	64.9	65.2	64.4	62.9	63.0	63.9	64.6	64.2	64.2	82.8	81.5	76.8	71.3	70.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	2.00	65.4	65.4	65.6	65.0	63.8	63.4	63.3	4.00	3.00	62.8	64.6	66.9
9 Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
10 Cushman 1	26.7	23.9	23.4	22.7	21.8	18.8	15.8	15.8	18.4	22.5	25.0	24.2	25.4	24.4
11 Cushman 2	88.0	0	0.33	0.99	3.30	88.0	88.0	4.94	3.63	1.98	1.98	88.0	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	4254	4392	4024	4229	5002	4849	5110	5137	4797	4072	3874	3921	4236	4521
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	351	344	287	287	290	313	318	285	236	238	210	224	353	356
19 Ice Harbor	510	497	567	523	533	601	586	620	626	654	630	657	679	561
20 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	64.0	64.0	64.0	64.0	63.3	63.7	64.0	63.3	63.3	63.8	63.3	63.7	63.3
23 Libby	483	465	512	467	556	583	483	500	480	469	502	572	579	574
24 Little Falls	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.4	34.2	33.6	36.0	36.6
25 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
26 Long Lake	72.0	72.2	72.5	72.2	72.2	68.6	63.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	56.3	0	0	0	0	55.4	49.7	49.7	-41.0	-46.0	58.5	63.6	70.6
28 Lower Granite	445	504	575	606	622	697	737	832	843	776	835	853	857	725
29 Lower Monumental	682	746	788	685	744	739	810	861	838	830	915	912	904	801
30 Mayfield	125	125	125	125	125	169	125	125	125	125	125	83.6	125	125
31 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
32 Merwin	147	140	135	136	139	128	113	115	115	113	124	124	131	148
33 Monroe Street	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
34 Mossyrock	378	378	378	365	327	252	159	134	157	196	236	0	378	378
35 Nine Mile	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.3	16.5	16.2	17.2	17.6
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	306	369	440	441	441	433	433	441	441	441	544	544	544
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103
41 Pelton Rereq	10.1	9.72	-4.43	11.2	10.5	9.45	8.70	9.83	10.4	11.6	12.2	11.5	10.2	11.3
42 Post Falls	17.2	17.0	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	15.0	13.2	17.2	17.2
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	570	578	565	539	526	553	582	590	602	602	602	570	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	307	395	343	297	400	352	299	227	205	197	247	353	437
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	65.9	243	260	225	168	140	140	152	158	0.23	233	265	265
50 Swift 2	62.1	18.8	60.7	63.8	70.5	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	101	81.1	90.7	83.0	83.0	0.06	41.2	84.4	90.0	100	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	9.38	8.68	8.44	9.17	10.2
55 Wanapum	672	665	661	661	706	668	661	661	661	661	661	674	672	668
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	0	133	133	126	122	108	94.0	94.0	106	106	0	133	132

Regional: Regulated Hydro
Operating Year 2020 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Regulated Hydro														
58 Federal Entities	16010	16203	15899	15576	16758	17450	17856	18123	17489	16605	16684	16975	17603	17125
59 Investor Owned Utilities	3859	3448	3701	3736	3827	3842	3903	3832	3818	3740	3630	3994	4135	4117
60 Marketer	806	782	726	709	727	756	782	782	775	752	778	768	790	801
61 Municipality	2260	2019	2261	2196	2127	2178	2025	1840	1810	1853	1851	1984	2380	2313
62 Public Utility District	2763	2636	2621	2649	2699	2697	2680	2673	2588	2542	2605	2768	2769	2746
63 Total Regulated Hydro	25698	25087	25207	24866	26139	26923	27247	27251	26480	25492	25548	26489	27677	27102

Regional: Regulated Hydro
Operating Year 2021 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	41.9	41.9	48.3	40.1	25.1	21.4	22.5	22.0	22.0	28.5	33.7	38.8	46.9	42.1
2 Alder Hydroelectric	37.1	0	0	0	0	42.0	33.0	4.28	37.0	36.3	41.1	43.1	48.3	48.7
3 Bonneville	887	887	853	874	872	930	960	949	938	935	935	928	986	953
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	912	676
5 Box Canyon Dam	64.9	65.2	64.4	62.9	63.0	63.9	64.6	64.2	64.2	82.8	81.5	76.8	71.3	70.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	2.00	65.4	65.4	65.6	65.0	63.8	63.4	63.3	4.00	3.00	62.8	64.6	66.9
9 Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
10 Cushman 1	26.7	23.9	23.4	22.7	21.8	18.8	15.8	15.8	18.4	22.5	25.0	24.2	25.4	24.4
11 Cushman 2	88.0	0	0.33	0.99	3.30	88.0	88.0	4.94	3.63	1.98	1.98	88.0	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	4254	4392	4024	4229	5002	4849	5110	5137	4797	4072	3874	3921	4236	4521
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	351	344	287	287	290	313	318	285	236	238	210	224	353	356
19 Ice Harbor	510	497	567	523	533	601	586	620	626	654	630	657	679	561
20 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	64.0	64.0	64.0	64.0	63.3	63.7	64.0	63.3	63.3	63.8	63.3	63.7	63.3
23 Libby	483	465	512	467	556	583	483	500	480	469	502	572	579	574
24 Little Falls	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.4	34.2	33.6	36.0	36.6
25 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
26 Long Lake	72.0	72.2	72.4	72.2	72.2	68.6	63.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	56.3	0	0	0	0	55.4	49.7	49.7	-41.0	-46.0	58.5	63.6	70.6
28 Lower Granite	445	504	575	606	622	697	737	832	843	776	835	853	857	725
29 Lower Monumental	682	746	788	685	744	739	810	861	838	830	915	912	904	801
30 Mayfield	125	125	125	125	125	169	125	125	125	125	125	83.6	125	125
31 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
32 Merwin	147	140	136	136	139	128	113	115	115	113	124	124	131	148
33 Monroe Street	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
34 Mossyrock	378	378	378	365	327	252	159	134	157	196	236	0	378	378
35 Nine Mile	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.3	16.5	16.2	17.2	17.6
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	306	372	440	441	441	433	433	441	441	441	544	544	544
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103
41 Pelton Rereq	10.1	9.72	-4.49	11.2	10.5	9.45	8.70	9.83	10.4	11.6	12.2	11.5	10.2	11.3
42 Post Falls	17.2	17.0	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	15.0	13.2	17.2	17.2
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	571	578	565	539	526	553	582	590	602	602	602	570	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	307	393	343	297	400	352	299	227	205	197	247	353	437
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	65.9	265	260	225	168	140	140	152	158	0.23	233	265	265
50 Swift 2	62.1	18.8	60.9	63.8	70.5	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	101	81.1	90.7	83.0	83.0	0.06	41.2	84.4	90.0	100	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	9.38	8.68	8.44	9.17	10.2
55 Wanapum	671	664	661	661	706	668	661	661	661	661	661	674	672	668
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	0	133	133	126	122	108	94.0	94.0	106	106	0	133	132

Regional: Regulated Hydro
Operating Year 2021 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Regulated Hydro														
58 Federal Entities	16010	16203	15899	15576	16758	17450	17856	18123	17489	16605	16684	16975	17603	17125
59 Investor Owned Utilities	3859	3448	3721	3736	3827	3842	3903	3832	3818	3740	3630	3994	4135	4117
60 Marketer	806	782	726	709	727	756	782	782	775	752	778	768	790	801
61 Municipality	2260	2019	2259	2196	2127	2178	2025	1840	1810	1853	1851	1984	2380	2313
62 Public Utility District	2763	2636	2627	2649	2699	2697	2680	2673	2588	2542	2605	2768	2769	2746
63 Total Regulated Hydro	25698	25087	25232	24866	26139	26923	27247	27251	26480	25492	25548	26489	27677	27102

Regional: Regulated Hydro
Operating Year 2022 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	41.9	41.9	48.3	40.1	25.1	21.4	22.5	22.0	22.0	28.5	33.7	38.8	46.9	42.1
2 Alder Hydroelectric	37.1	0	0	0	0	42.0	33.0	4.28	37.0	36.3	41.1	43.1	48.3	48.7
3 Bonneville	887	887	853	874	872	930	960	949	938	935	935	928	986	953
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	912	676
5 Box Canyon Dam	64.9	65.2	64.4	62.9	63.0	63.9	64.6	64.2	64.2	82.8	81.5	76.8	71.3	70.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	2.00	65.4	65.4	65.6	65.0	63.8	63.4	63.3	4.00	3.00	62.8	64.6	66.9
9 Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
10 Cushman 1	26.7	23.9	23.4	22.7	21.8	18.8	15.8	15.8	18.4	22.5	25.0	24.2	25.4	24.4
11 Cushman 2	88.0	0	0.33	0.99	3.30	88.0	88.0	4.94	3.63	1.98	1.98	88.0	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	4254	4392	4024	4229	5002	4849	5110	5137	4797	4072	3874	3921	4236	4521
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	351	344	287	287	290	313	318	285	236	238	210	224	353	356
19 Ice Harbor	510	497	567	523	533	601	586	620	626	654	630	657	679	561
20 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	64.0	64.0	64.0	64.0	63.3	63.7	64.0	63.3	63.3	63.8	63.3	63.7	63.3
23 Libby	483	465	512	467	556	583	483	500	480	469	502	572	579	574
24 Little Falls	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.4	34.2	33.6	36.0	36.6
25 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
26 Long Lake	72.0	72.2	72.4	72.2	72.2	68.6	63.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	56.3	0	0	0	0	55.4	49.7	49.7	-41.0	-46.0	58.5	63.6	70.6
28 Lower Granite	445	504	575	606	622	697	737	832	843	776	835	853	857	725
29 Lower Monumental	682	746	788	685	744	739	810	861	838	830	915	912	904	801
30 Mayfield	125	125	125	125	125	169	125	125	125	125	125	83.6	125	125
31 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
32 Merwin	147	140	136	136	139	128	113	115	115	113	124	124	131	148
33 Monroe Street	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
34 Mossyrock	378	378	378	365	327	252	159	134	157	196	236	0	378	378
35 Nine Mile	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.3	16.5	16.2	17.2	17.6
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	306	372	440	441	441	433	433	441	441	441	544	544	544
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103
41 Pelton Rereq	10.1	9.72	-4.49	11.2	10.5	9.45	8.70	9.83	10.4	11.6	12.2	11.5	10.2	11.3
42 Post Falls	17.2	17.0	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	15.0	13.2	17.2	17.2
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	571	578	565	539	526	553	582	590	602	602	602	570	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	307	393	343	297	400	352	299	227	205	197	247	353	437
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	65.9	265	260	225	168	140	140	152	158	0.23	233	265	265
50 Swift 2	62.1	18.8	60.9	63.8	70.5	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	101	81.1	90.7	83.0	83.0	0.06	41.2	84.4	90.0	100	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	9.38	8.68	8.44	9.17	10.2
55 Wanapum	671	664	661	661	706	668	661	661	661	661	661	674	672	668
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	0	133	133	126	122	108	94.0	94.0	106	106	0	133	132

Regional: Regulated Hydro
Operating Year 2022 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Regulated Hydro														
58 Federal Entities	16010	16203	15899	15576	16758	17450	17856	18123	17489	16605	16684	16975	17603	17125
59 Investor Owned Utilities	3859	3448	3721	3736	3827	3842	3903	3832	3818	3740	3630	3994	4135	4117
60 Marketer	806	782	726	709	727	756	782	782	775	752	778	768	790	801
61 Municipality	2260	2019	2259	2196	2127	2178	2025	1840	1810	1853	1851	1984	2380	2313
62 Public Utility District	2763	2636	2627	2649	2699	2697	2680	2673	2588	2542	2605	2768	2769	2746
63 Total Regulated Hydro	25698	25087	25232	24866	26139	26923	27247	27251	26480	25492	25548	26489	27677	27103

Regional: Regulated Hydro
Operating Year 2023 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	41.9	41.9	48.3	40.1	25.1	21.4	22.5	22.0	22.0	28.5	33.7	38.8	46.9	42.1
2 Alder Hydroelectric	37.1	0	0	0	0	42.0	33.0	4.28	37.0	36.3	41.1	43.1	48.3	48.7
3 Bonneville	887	887	853	874	872	930	960	949	938	935	935	928	986	953
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	912	676
5 Box Canyon Dam	64.9	65.2	64.4	62.9	63.0	63.9	64.6	64.2	64.2	82.8	81.5	76.8	71.3	70.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	2.00	65.4	65.4	65.6	65.0	63.8	63.4	63.3	4.00	3.00	62.8	64.6	66.9
9 Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
10 Cushman 1	26.7	23.9	23.4	22.7	21.8	18.8	15.8	15.8	18.4	22.5	25.0	24.2	25.4	24.4
11 Cushman 2	88.0	0	0.33	0.99	3.30	88.0	88.0	4.94	3.63	1.98	1.98	88.0	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	4254	4392	4024	4229	5002	4849	5110	5137	4797	4072	3874	3921	4236	4521
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	351	344	287	287	290	313	318	285	236	238	210	224	353	356
19 Ice Harbor	510	497	567	523	533	601	586	620	626	654	630	657	679	561
20 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	64.0	64.0	64.0	64.0	63.3	63.7	64.0	63.3	63.3	63.8	63.3	63.7	63.3
23 Libby	483	465	512	467	556	583	483	500	480	469	502	572	579	574
24 Little Falls	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.4	34.2	33.6	36.0	36.6
25 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
26 Long Lake	72.0	72.2	72.4	72.2	72.2	68.6	63.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	56.3	0	0	0	0	55.4	49.7	49.7	-41.0	-46.0	58.5	63.6	70.6
28 Lower Granite	445	504	575	606	622	697	737	832	843	776	835	853	857	725
29 Lower Monumental	682	746	788	685	744	739	810	861	838	830	915	912	904	801
30 Mayfield	125	125	125	125	125	169	125	125	125	125	125	83.6	125	125
31 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
32 Merwin	147	140	136	136	139	128	113	115	115	113	124	124	131	148
33 Monroe Street	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
34 Mossyrock	378	378	378	365	327	252	159	134	157	196	236	0	378	378
35 Nine Mile	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.3	16.5	16.2	17.2	17.6
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	306	372	440	441	441	433	433	441	441	441	544	544	544
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103
41 Pelton Rereq	10.1	9.72	-4.49	11.2	10.5	9.45	8.70	9.83	10.4	11.6	12.2	11.5	10.2	11.3
42 Post Falls	17.2	17.0	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	15.0	13.2	17.2	17.2
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	571	578	565	539	526	553	582	590	602	602	602	570	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	307	393	343	297	400	352	299	227	205	197	247	353	437
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	65.9	265	260	225	168	140	140	152	158	0.23	233	265	265
50 Swift 2	62.1	18.8	60.9	63.8	70.5	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	101	81.1	90.7	83.0	83.0	0.06	41.2	84.4	90.0	100	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	9.38	8.68	8.44	9.17	10.2
55 Wanapum	671	664	661	661	706	668	661	661	661	661	661	674	672	668
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	0	133	133	126	122	108	94.0	94.0	106	106	0	133	132

Regional: Regulated Hydro
Operating Year 2023 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Regulated Hydro														
58 Federal Entities	16010	16203	15899	15576	16758	17450	17856	18123	17489	16605	16684	16975	17603	17125
59 Investor Owned Utilities	3859	3448	3721	3736	3827	3842	3903	3832	3818	3740	3630	3994	4135	4117
60 Marketer	806	782	726	709	727	756	782	782	775	752	778	768	790	801
61 Municipality	2260	2019	2259	2196	2127	2178	2025	1840	1810	1853	1851	1984	2380	2313
62 Public Utility District	2763	2636	2627	2649	2699	2697	2680	2673	2588	2542	2605	2768	2769	2746
63 Total Regulated Hydro	25698	25087	25232	24866	26139	26923	27247	27251	26480	25492	25548	26489	27677	27102

Regional: Regulated Hydro
Operating Year 2024 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	41.9	41.9	48.3	40.1	25.1	21.4	22.5	22.0	22.0	28.5	33.7	38.8	46.9	42.1
2 Alder Hydroelectric	37.1	0	0	0	0	42.0	33.0	4.28	37.0	36.3	41.1	43.1	48.3	48.7
3 Bonneville	887	887	853	874	872	930	960	949	938	935	935	928	986	953
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	912	676
5 Box Canyon Dam	64.9	65.2	64.4	62.9	63.0	63.9	64.6	64.2	64.2	82.8	81.5	76.8	71.3	70.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	2.00	65.4	65.4	65.6	65.0	63.8	63.4	63.3	4.00	3.00	62.8	64.6	66.9
9 Chief Joseph	2424	2430	2200	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
10 Cushman 1	26.7	23.9	23.4	22.7	21.8	18.8	15.8	15.8	18.4	22.5	25.0	24.2	25.4	24.4
11 Cushman 2	88.0	0	0.33	0.99	3.30	88.0	88.0	4.94	3.63	1.98	1.98	88.0	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	4254	4392	4024	4229	5002	4849	5110	5137	4797	4072	3874	3921	4236	4521
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	351	344	287	287	290	313	318	285	236	238	210	224	353	356
19 Ice Harbor	510	497	567	523	533	601	586	620	626	654	630	657	679	561
20 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	64.0	64.0	64.0	64.0	63.3	63.7	64.0	63.3	63.3	63.8	63.3	63.7	63.3
23 Libby	483	465	512	467	556	583	483	500	480	469	502	572	579	574
24 Little Falls	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.4	34.2	33.6	36.0	36.6
25 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
26 Long Lake	72.0	72.2	72.4	72.2	72.2	68.6	63.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	56.3	0	0	0	0	55.4	49.7	49.7	-41.0	-46.0	58.5	63.6	70.6
28 Lower Granite	445	504	575	606	622	697	737	832	843	776	835	853	857	725
29 Lower Monumental	682	746	788	685	744	739	810	861	838	830	915	912	904	801
30 Mayfield	125	125	125	125	125	169	125	125	125	125	125	83.6	125	125
31 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
32 Merwin	147	140	136	136	139	128	113	115	115	113	124	124	131	148
33 Monroe Street	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
34 Mossyrock	378	378	378	365	327	252	159	134	157	196	236	0	378	378
35 Nine Mile	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.3	16.5	16.2	17.2	17.6
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	306	372	440	441	441	433	433	441	441	441	544	544	544
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103
41 Pelton Rereq	10.1	9.72	-4.49	11.2	10.5	9.45	8.70	9.83	10.4	11.6	12.2	11.5	10.2	11.3
42 Post Falls	17.2	17.0	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	15.0	13.2	17.2	17.2
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	571	578	565	539	526	553	582	590	602	602	602	570	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	307	393	343	297	400	352	299	227	205	197	247	353	437
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	65.9	265	260	225	168	140	140	152	158	0.23	233	265	265
50 Swift 2	62.1	18.8	60.9	63.8	70.5	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	101	81.1	90.7	83.0	83.0	0.06	41.2	84.4	90.0	100	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	9.38	8.68	8.44	9.17	10.2
55 Wanapum	671	664	661	661	706	668	661	661	661	661	661	674	672	668
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	0	133	133	126	122	108	94.0	94.0	106	106	0	133	132

Regional: Regulated Hydro
Operating Year 2024 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Regulated Hydro														
58 Federal Entities	16010	16203	15899	15694	16963	17491	17890	18110	17458	16669	16728	17071	17750	17302
59 Investor Owned Utilities	3859	3448	3721	3736	3827	3842	3903	3832	3818	3740	3630	3994	4135	4117
60 Marketer	806	782	726	709	727	756	782	782	775	752	778	768	790	801
61 Municipality	2260	2019	2259	2196	2127	2178	2025	1840	1810	1853	1851	1984	2380	2313
62 Public Utility District	2763	2636	2627	2649	2699	2697	2680	2673	2588	2542	2605	2768	2769	2746
63 Total Regulated Hydro	25698	25087	25232	24984	26344	26965	27281	27237	26449	25556	25592	26586	27824	27279

Regional: Regulated Hydro
Operating Year 2025 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	41.9	41.9	48.3	40.1	25.1	21.4	22.5	22.0	22.0	28.5	33.7	38.8	46.9	42.1
2 Alder Hydroelectric	37.1	0	0	0	0	42.0	33.0	4.28	37.0	36.3	41.1	43.1	48.3	48.7
3 Bonneville	887	887	853	874	872	930	960	949	938	935	935	928	986	953
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	912	676
5 Box Canyon Dam	64.9	65.2	64.4	62.9	63.0	63.9	64.6	64.2	64.2	82.8	81.5	76.8	71.3	70.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	2.00	65.4	65.4	65.6	65.0	63.8	63.4	63.3	4.00	3.00	62.8	64.6	66.9
9 Chief Joseph	2416	2391	2219	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
10 Cushman 1	26.7	23.9	23.4	22.7	21.8	18.8	15.8	15.8	18.4	22.5	25.0	24.2	25.4	24.4
11 Cushman 2	88.0	0	0.33	0.99	3.30	88.0	88.0	4.94	3.63	1.98	1.98	88.0	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	4254	4392	4024	4571	5171	5287	5465	5343	5173	4481	4392	4312	4814	5118
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	351	344	287	287	290	313	318	285	236	238	210	224	353	356
19 Ice Harbor	510	497	567	523	533	601	586	620	626	654	630	657	679	561
20 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	64.0	64.0	64.0	64.0	63.3	63.7	64.0	63.3	63.3	63.8	63.3	63.7	63.3
23 Libby	483	465	512	467	556	583	483	500	480	469	502	572	579	574
24 Little Falls	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.4	34.2	33.6	36.0	36.6
25 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
26 Long Lake	72.0	72.2	72.4	72.2	72.2	68.6	63.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	56.3	0	0	0	0	55.4	49.7	49.7	-41.0	-46.0	58.5	63.6	70.6
28 Lower Granite	445	504	575	606	622	697	737	832	843	776	835	853	857	725
29 Lower Monumental	682	746	788	685	744	739	810	861	838	830	915	912	904	801
30 Mayfield	125	125	125	125	125	169	125	125	125	125	125	83.6	125	125
31 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
32 Merwin	147	140	136	136	139	128	113	115	115	113	124	124	131	148
33 Monroe Street	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
34 Mossyrock	378	378	378	365	327	252	159	134	157	196	236	0	378	378
35 Nine Mile	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.3	16.5	16.2	17.2	17.6
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	306	372	440	441	441	433	433	441	441	441	544	544	544
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103
41 Pelton Rereq	10.1	9.72	-4.49	11.2	10.5	9.45	8.70	9.83	10.4	11.6	12.2	11.5	10.2	11.3
42 Post Falls	17.2	17.0	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	15.0	13.2	17.2	17.2
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	571	578	565	539	526	553	582	590	602	602	602	570	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	307	393	343	297	400	352	299	227	205	197	247	353	437
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	65.9	265	260	225	168	140	140	152	158	0.23	233	265	265
50 Swift 2	62.1	18.8	60.9	63.8	70.5	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	101	81.1	90.7	83.0	83.0	0.06	41.2	84.4	90.0	100	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	9.38	8.68	8.44	9.17	10.2
55 Wanapum	671	664	661	661	706	668	661	661	661	661	661	674	672	668
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	0	133	133	126	122	108	94.0	94.0	106	106	0	133	132

Regional: Regulated Hydro
Operating Year 2025 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Regulated Hydro														
58 Federal Entities	16002	16164	15918	16036	17132	17928	18244	18316	17833	17078	17246	17462	18328	17898
59 Investor Owned Utilities	3859	3448	3721	3736	3827	3842	3903	3832	3818	3740	3630	3994	4135	4117
60 Marketer	806	782	726	709	727	756	782	782	775	752	778	768	790	801
61 Municipality	2260	2019	2259	2196	2127	2178	2025	1840	1810	1853	1851	1984	2380	2313
62 Public Utility District	2763	2636	2627	2649	2699	2697	2680	2673	2588	2542	2605	2768	2769	2746
63 Total Regulated Hydro	25690	25048	25250	25326	26513	27402	27635	27443	26824	25966	26110	26976	28402	27875

Regional: Regulated Hydro
Operating Year 2026 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	41.9	41.9	48.3	40.1	25.1	21.4	22.5	22.0	22.0	28.5	33.7	38.8	46.9	42.1
2 Alder Hydroelectric	37.1	0	0	0	0	42.0	33.0	4.28	37.0	36.3	41.1	43.1	48.3	48.7
3 Bonneville	887	887	853	874	872	930	960	949	938	935	935	928	986	953
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	912	676
5 Box Canyon Dam	64.9	65.2	64.4	62.9	63.0	63.9	64.6	64.2	64.2	82.8	81.5	76.8	71.3	70.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	2.00	65.4	65.4	65.6	65.0	63.8	63.4	63.3	4.00	3.00	62.8	64.6	66.9
9 Chief Joseph	2416	2391	2219	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
10 Cushman 1	26.7	23.9	23.4	22.7	21.8	18.8	15.8	15.8	18.4	22.5	25.0	24.2	25.4	24.4
11 Cushman 2	88.0	0	0.33	0.99	3.30	88.0	88.0	4.94	3.63	1.98	1.98	88.0	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5058	5103	4508	4571	5171	5287	5465	5343	5173	4481	4392	4312	4814	5118
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	351	344	287	287	290	313	318	285	236	238	210	224	353	356
19 Ice Harbor	510	497	567	523	533	601	586	620	626	654	630	657	679	561
20 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	64.0	64.0	64.0	64.0	63.3	63.7	64.0	63.3	63.3	63.8	63.3	63.7	63.3
23 Libby	483	465	512	467	556	583	483	500	480	469	502	572	579	574
24 Little Falls	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.4	34.2	33.6	36.0	36.6
25 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
26 Long Lake	72.0	72.2	72.4	72.2	72.2	68.6	63.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	56.3	0	0	0	0	55.4	49.7	49.7	-41.0	-46.0	58.5	63.6	70.6
28 Lower Granite	445	504	575	606	622	697	737	832	843	776	835	853	857	725
29 Lower Monumental	682	746	788	685	744	739	810	861	838	830	915	912	904	801
30 Mayfield	125	125	125	125	125	169	125	125	125	125	125	83.6	125	125
31 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
32 Merwin	147	140	136	136	139	128	113	115	115	113	124	124	131	148
33 Monroe Street	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
34 Mossyrock	378	378	378	365	327	252	159	134	157	196	236	0	378	378
35 Nine Mile	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.3	16.5	16.2	17.2	17.6
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	306	372	440	441	441	433	433	441	441	441	544	544	544
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103
41 Pelton Rereq	10.1	9.72	-4.49	11.2	10.5	9.45	8.70	9.83	10.4	11.6	12.2	11.5	10.2	11.3
42 Post Falls	17.2	17.0	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	15.0	13.2	17.2	17.2
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	571	578	565	539	526	553	582	590	602	602	602	570	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	307	393	343	297	400	352	299	227	205	197	247	353	437
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	65.9	265	260	225	168	140	140	152	158	0.23	233	265	265
50 Swift 2	62.1	18.8	60.9	63.8	70.5	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	101	81.1	90.7	83.0	83.0	0.06	41.2	84.4	90.0	100	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	9.38	8.68	8.44	9.17	10.2
55 Wanapum	671	664	661	661	706	668	661	661	661	661	661	674	672	668
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	0	133	133	126	122	108	94.0	94.0	106	106	0	133	132

Regional: Regulated Hydro
Operating Year 2026 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Regulated Hydro														
58 Federal Entities	16805	16875	16401	16036	17132	17928	18244	18316	17833	17078	17246	17462	18328	17898
59 Investor Owned Utilities	3859	3448	3721	3736	3827	3842	3903	3832	3818	3740	3630	3994	4135	4117
60 Marketer	806	782	726	709	727	756	782	782	775	752	778	768	790	801
61 Municipality	2260	2019	2259	2196	2127	2178	2025	1840	1810	1853	1851	1984	2380	2313
62 Public Utility District	2763	2636	2627	2649	2699	2697	2680	2673	2588	2542	2605	2768	2769	2746
63 Total Regulated Hydro	26493	25760	25734	25326	26513	27402	27635	27443	26824	25966	26110	26976	28402	27875

Regional: Regulated Hydro
Operating Year 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	41.9	41.9	48.3	40.1	25.1	21.4	22.5	22.0	22.0	28.5	33.7	38.8	46.9	42.1
2 Alder Hydroelectric	37.1	0	0	0	0	42.0	33.0	4.28	37.0	36.3	41.1	43.1	48.3	48.7
3 Bonneville	887	887	853	874	872	930	960	949	938	935	935	928	986	953
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	912	676
5 Box Canyon Dam	64.9	65.2	64.4	62.9	63.0	63.9	64.6	64.2	64.2	82.8	81.5	76.8	71.3	70.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	2.00	65.4	65.4	65.6	65.0	63.8	63.4	63.3	4.00	3.00	62.8	64.6	66.9
9 Chief Joseph	2416	2391	2219	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
10 Cushman 1	26.7	23.9	23.4	22.7	21.8	18.8	15.8	15.8	18.4	22.5	25.0	24.2	25.4	24.4
11 Cushman 2	88.0	0	0.33	0.99	3.30	88.0	88.0	4.94	3.63	1.98	1.98	88.0	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5058	5103	4508	4571	5171	5287	5465	5343	5173	4481	4392	4312	4814	5118
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	351	344	287	287	290	313	318	285	236	238	210	224	353	356
19 Ice Harbor	510	497	567	523	533	601	586	620	626	654	630	657	679	561
20 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	64.0	64.0	64.0	64.0	63.3	63.7	64.0	63.3	63.3	63.8	63.3	63.7	63.3
23 Libby	483	465	512	467	556	583	483	500	480	469	502	572	579	574
24 Little Falls	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.4	34.2	33.6	36.0	36.6
25 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
26 Long Lake	72.0	72.2	72.4	72.2	72.2	68.6	63.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	56.3	0	0	0	0	55.4	49.7	49.7	-41.0	-46.0	58.5	63.6	70.6
28 Lower Granite	445	504	575	606	622	697	737	832	843	776	835	853	857	725
29 Lower Monumental	682	746	788	685	744	739	810	861	838	830	915	912	904	801
30 Mayfield	125	125	125	125	125	169	125	125	125	125	125	83.6	125	125
31 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
32 Merwin	147	140	136	136	139	128	113	115	115	113	124	124	131	148
33 Monroe Street	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
34 Mossyrock	378	378	378	365	327	252	159	134	157	196	236	0	378	378
35 Nine Mile	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.3	16.5	16.2	17.2	17.6
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	306	372	440	441	441	433	433	441	441	441	544	544	544
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103
41 Pelton Rereq	10.1	9.72	-4.49	11.2	10.5	9.45	8.70	9.83	10.4	11.6	12.2	11.5	10.2	11.3
42 Post Falls	17.2	17.0	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	15.0	13.2	17.2	17.2
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	571	578	565	539	526	553	582	590	602	602	602	570	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	307	393	343	297	400	352	299	227	205	197	247	353	437
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	65.9	265	260	225	168	140	140	152	158	0.23	233	265	265
50 Swift 2	62.1	18.8	60.9	63.8	70.5	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	101	81.1	90.7	83.0	83.0	0.06	41.2	84.4	90.0	100	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	9.38	8.68	8.44	9.17	10.2
55 Wanapum	671	664	661	661	706	668	661	661	661	661	661	674	672	668
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	0	133	133	126	122	108	94.0	94.0	106	106	0	133	132

Regional: Regulated Hydro
Operating Year 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Regulated Hydro														
58 Federal Entities	16805	16875	16401	16036	17132	17928	18244	18316	17833	17078	17246	17462	18328	17898
59 Investor Owned Utilities	3859	3448	3721	3736	3827	3842	3903	3832	3818	3740	3630	3994	4135	4117
60 Marketer	806	782	726	709	727	756	782	782	775	752	778	768	790	801
61 Municipality	2260	2019	2259	2196	2127	2178	2025	1840	1810	1853	1851	1984	2380	2313
62 Public Utility District	2763	2636	2627	2649	2699	2697	2680	2673	2588	2542	2605	2768	2769	2746
63 Total Regulated Hydro	26493	25760	25734	25326	26513	27402	27635	27443	26824	25966	26110	26976	28402	27875

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Exhibit 16
Regional Independent Hydro

Monthly 120-Hour Capacity
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional: Independent Hydro
Operating Year 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14 Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15 Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18 Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
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
20 Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21 Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29 Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
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
31 Henry M Jackson	112	112	112	112	112	112	112	112	15.6	112	112	112	112	112
32 Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39 John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43 Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44 Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45 Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50 Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Regional: Independent Hydro
Operating Year 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Roque	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64 Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68 Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73 Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74 Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75 TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77 Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
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
85 Federal Entities	459	454	528	403	378	254	223	199	349	596	609	753	790	504
86 Investor Owned Utilities	764	761	773	816	795	820	795	815	820	870	874	848	839	771
87 Municipality	131	126	141	159	160	183	186	195	198	180	179	217	216	179
88 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
89 Total Independent Hydro	1509	1508	1582	1514	1467	1394	1338	1246	1507	1792	1808	1993	2039	1627

Regional: Independent Hydro
Operating Year 2019 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14 Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15 Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18 Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
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
20 Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21 Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29 Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
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
31 Henry M Jackson	112	112	112	112	112	112	112	112	15.6	112	112	112	112	112
32 Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39 John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43 Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44 Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45 Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50 Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Regional: Independent Hydro
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2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Roque	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64 Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68 Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73 Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74 Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75 TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77 Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
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
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89 Total Independent Hydro	1509	1508	1582	1514	1467	1394	1338	1246	1507	1792	1808	1993	2039	1627

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2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14 Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15 Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18 Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
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
20 Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21 Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29 Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
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
31 Henry M Jackson	112	112	112	112	112	112	112	112	15.6	112	112	112	112	112
32 Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39 John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43 Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44 Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45 Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50 Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Regional: Independent Hydro
Operating Year 2020 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Roque	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64 Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68 Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73 Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74 Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75 TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77 Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
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
85 Federal Entities	459	454	528	403	378	254	223	199	349	596	609	753	790	504
86 Investor Owned Utilities	764	761	773	816	795	820	795	815	820	870	874	848	839	771
87 Municipality	131	126	141	159	160	183	186	195	198	180	179	217	216	179
88 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
89 Total Independent Hydro	1509	1508	1582	1514	1467	1394	1338	1246	1507	1792	1808	1993	2039	1627

Regional: Independent Hydro
Operating Year 2021 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14 Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15 Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18 Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
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
20 Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21 Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29 Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
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
31 Henry M Jackson	112	112	112	112	112	112	112	112	15.6	112	112	112	112	112
32 Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39 John Boyle	0	0	9.28	80.0	80.0	80.0	0	0	0	0	0	0	0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43 Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44 Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45 Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50 Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Regional: Independent Hydro
Operating Year 2021 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Roque	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64 Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68 Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73 Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74 Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75 TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77 Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
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
85 Federal Entities	459	454	528	403	378	254	223	199	349	596	609	753	790	504
86 Investor Owned Utilities	764	761	773	816	795	820	715	735	740	790	794	768	759	771
87 Municipality	131	126	141	159	160	183	186	195	198	180	179	217	216	179
88 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
89 Total Independent Hydro	1509	1508	1582	1514	1467	1394	1258	1166	1427	1712	1728	1913	1959	1627

Regional: Independent Hydro
Operating Year 2022 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14 Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15 Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18 Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
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
20 Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21 Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29 Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
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
31 Henry M Jackson	112	112	112	112	112	112	112	112	15.6	112	112	112	112	112
32 Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43 Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44 Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45 Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50 Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Regional: Independent Hydro
Operating Year 2022 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Roque	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64 Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68 Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73 Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74 Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75 TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77 Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
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
85 Federal Entities	459	454	528	403	378	254	223	199	349	596	609	753	790	504
86 Investor Owned Utilities	764	761	764	736	715	740	715	735	740	790	794	768	759	771
87 Municipality	131	126	141	159	160	183	186	195	198	180	179	217	216	179
88 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
89 Total Independent Hydro	1509	1508	1572	1434	1387	1314	1258	1166	1427	1712	1728	1913	1959	1627

Regional: Independent Hydro
Operating Year 2023 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14 Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15 Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18 Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
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
20 Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21 Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29 Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
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
31 Henry M Jackson	112	112	112	112	112	112	112	112	15.6	112	112	112	112	112
32 Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43 Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44 Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45 Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50 Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Regional: Independent Hydro
Operating Year 2023 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Roque	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64 Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68 Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73 Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74 Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75 TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77 Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
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
85 Federal Entities	459	454	528	403	378	254	223	199	349	596	609	753	790	504
86 Investor Owned Utilities	764	761	764	736	715	740	715	735	740	790	794	768	759	771
87 Municipality	131	126	141	159	160	183	186	195	198	180	179	217	216	179
88 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
89 Total Independent Hydro	1509	1508	1572	1434	1387	1314	1258	1166	1427	1712	1728	1913	1959	1627

Regional: Independent Hydro
Operating Year 2024 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14 Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15 Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18 Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
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
20 Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21 Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29 Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
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
31 Henry M Jackson	112	112	112	112	112	112	112	112	15.6	112	112	112	112	112
32 Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43 Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44 Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45 Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50 Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Regional: Independent Hydro
Operating Year 2024 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Roque	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64 Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68 Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73 Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74 Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75 TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77 Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
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
85 Federal Entities	459	454	528	403	378	254	223	199	349	596	609	753	790	504
86 Investor Owned Utilities	764	761	764	736	715	740	715	735	740	790	794	768	759	771
87 Municipality	131	126	141	159	160	183	186	195	198	180	179	217	216	179
88 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
89 Total Independent Hydro	1509	1508	1572	1434	1387	1314	1258	1166	1427	1712	1728	1913	1959	1627

Regional: Independent Hydro
Operating Year 2025 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14 Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15 Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18 Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
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
20 Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21 Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29 Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
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
31 Henry M Jackson	112	112	112	112	112	112	112	112	15.6	112	112	112	112	112
32 Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43 Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44 Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45 Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50 Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Regional: Independent Hydro
Operating Year 2025 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Roque	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64 Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68 Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73 Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74 Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75 TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77 Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
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
85 Federal Entities	459	454	528	403	378	254	223	199	349	596	609	753	790	504
86 Investor Owned Utilities	764	761	764	736	715	740	715	735	740	790	794	768	759	771
87 Municipality	131	126	141	159	160	183	186	195	198	180	179	217	216	179
88 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
89 Total Independent Hydro	1509	1508	1572	1434	1387	1314	1258	1166	1427	1712	1728	1913	1959	1627

Regional: Independent Hydro
Operating Year 2026 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14 Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15 Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18 Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
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
20 Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21 Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29 Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
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
31 Henry M Jackson	112	112	112	112	112	112	112	112	15.6	112	112	112	112	112
32 Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43 Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44 Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45 Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50 Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Regional: Independent Hydro
Operating Year 2026 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Roque	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64 Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68 Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73 Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74 Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75 TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77 Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
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
85 Federal Entities	459	454	528	403	378	254	223	199	349	596	609	753	790	504
86 Investor Owned Utilities	764	761	764	736	715	740	715	735	740	790	794	768	759	771
87 Municipality	131	126	141	159	160	183	186	195	198	180	179	217	216	179
88 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
89 Total Independent Hydro	1509	1508	1572	1434	1387	1314	1258	1166	1427	1712	1728	1913	1959	1627

Regional: Independent Hydro
Operating Year 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14 Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15 Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18 Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
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
20 Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21 Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29 Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
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
31 Henry M Jackson	112	112	112	112	112	112	112	112	15.6	112	112	112	112	112
32 Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43 Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44 Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45 Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50 Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Regional: Independent Hydro
Operating Year 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Roque	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64 Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68 Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73 Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74 Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75 TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77 Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
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
85 Federal Entities	459	454	528	403	378	254	223	199	349	596	609	753	790	504
86 Investor Owned Utilities	764	761	764	736	715	740	715	735	740	790	794	768	759	771
87 Municipality	131	126	141	159	160	183	186	195	198	180	179	217	216	179
88 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
89 Total Independent Hydro	1509	1508	1572	1434	1387	1314	1258	1166	1427	1712	1728	1913	1959	1627

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

Monthly 120-Hour Capacity
Operating Year 2018 to 2027
Using 1937-Water Conditions

Federal Report Surplus Deficit By Water Year

Operating Year 2018

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	1082	831	325	354	753	162	381	321	872	-696	1348	2781	3575	-291
2 1930 Federal Report Surplus Deficit	1074	-4.56	610	517	914	243	-601	491	931	475	2247	2259	617	1943
3 1931 Federal Report Surplus Deficit	1568	-45.3	82.2	406	971	311	-245	-844	583	122	-964	3451	805	2006
4 1932 Federal Report Surplus Deficit	875	-637	-52.7	207	429	235	-1025	-1081	2634	3472	4042	5003	5235	2886
5 1933 Federal Report Surplus Deficit	1214	1663	740	364	265	1770	3073	3078	3136	1552	2269	4320	5628	3777
6 1934 Federal Report Surplus Deficit	2955	2331	583	1253	3111	4146	4122	4172	4470	4122	4027	4522	4553	2207
7 1935 Federal Report Surplus Deficit	880	-409	-237	298	-2.85	215	2871	2522	3153	284	2472	3993	4184	3235
8 1936 Federal Report Surplus Deficit	2661	416	104	431	652	25.6	-710	-97.8	1320	584	3744	5000	5116	2035
9 1937 Federal Report Surplus Deficit	1061	-119	104	427	1009	213	-509	-799	654	-315	454	3434	2847	-0.62
10 1938 Federal Report Surplus Deficit	1266	-12.7	222	394	710	687	2565	2710	3621	3152	4404	4881	4750	3003
11 1939 Federal Report Surplus Deficit	853	-301	611	356	590	121	1505	897	1825	1773	3313	4245	2557	2006
12 1940 Federal Report Surplus Deficit	1092	-278	139	413	1126	635	1837	211	3824	1915	2713	4077	2450	1718
13 1941 Federal Report Surplus Deficit	488	-713	62.0	147	826	889	183	275	1223	-735	835	3463	2651	1624
14 1942 Federal Report Surplus Deficit	811	-255	584	99.8	1359	1779	2597	1910	2705	88.0	2464	3858	4362	3186
15 1943 Federal Report Surplus Deficit	2038	1002	1092	405	102	476	3193	3015	3566	4460	4500	4577	5608	3739
16 1944 Federal Report Surplus Deficit	1690	484	235	253	809	136	435	406	893	-620	758	1925	460	610
17 1945 Federal Report Surplus Deficit	760	-720	-115	331	810	208	-234	-9.44	850	-408	-1505	4471	4871	332
18 1946 Federal Report Surplus Deficit	1430	-307	-156	286	989	1006	1997	1967	3383	3531	4420	4947	4769	3457
19 1947 Federal Report Surplus Deficit	2625	2019	691	252	870	3799	3796	3693	3811	2618	3053	4901	4827	3273
20 1948 Federal Report Surplus Deficit	2389	1469	499	2998	2155	2715	3567	3109	3425	2006	3819	5124	5566	3665
21 1949 Federal Report Surplus Deficit	3092	3006	1038	731	596	1283	2018	2032	3805	2745	4119	5061	4853	1057
22 1950 Federal Report Surplus Deficit	6.71	-880	-274	182	613	640	3426	3969	4005	3833	3693	4643	5585	4050
23 1951 Federal Report Surplus Deficit	2754	2074	705	1480	2485	3891	4100	4492	4860	4092	3928	4899	4827	3587
24 1952 Federal Report Surplus Deficit	2758	1314	532	2403	1467	2736	3203	3417	3801	3932	4530	5125	5059	3173
25 1953 Federal Report Surplus Deficit	2364	1273	-249	348	505	92.2	1293	3096	2761	640	2109	4483	5640	3791
26 1954 Federal Report Surplus Deficit	1942	1080	563	661	854	2020	3362	3779	3914	2269	3041	4912	5401	3933
27 1955 Federal Report Surplus Deficit	3213	3575	2731	787	1630	2056	1318	1195	875	284	1847	4177	5660	3967
28 1956 Federal Report Surplus Deficit	3020	1989	301	1009	2062	3822	3979	4441	4542	3592	4439	5105	5586	3661
29 1957 Federal Report Surplus Deficit	2845	2509	612	911	620	2168	2272	1685	3271	3473	2862	5084	5544	2838
30 1958 Federal Report Surplus Deficit	2017	186	443	275	814	357	2627	2716	3205	1670	3415	5056	5410	2606
31 1959 Federal Report Surplus Deficit	1831	47.8	215	506	1481	3477	3851	3984	4167	3064	2881	4499	5379	3743
32 1960 Federal Report Surplus Deficit	3155	2230	2942	3872	3163	3264	2763	2570	3529	4597	3787	4034	5134	3157
33 1961 Federal Report Surplus Deficit	2097	322	205	613	731	1532	2634	3580	4087	2501	2434	4842	5451	2771
34 1962 Federal Report Surplus Deficit	2022	697	144	50.0	766	1087	2513	2440	1791	3794	4355	4679	4603	2796
35 1963 Federal Report Surplus Deficit	1780	1062	-47.4	1258	1616	3179	2969	2844	2775	567	2107	4368	4627	3053
36 1964 Federal Report Surplus Deficit	1894	344	790	241	504	1490	1409	1386	1942	2796	1943	4544	5569	3838
37 1965 Federal Report Surplus Deficit	2976	2591	1351	1462	1303	3906	4263	4519	4512	1969	4285	4950	4853	3191
38 1966 Federal Report Surplus Deficit	2770	2455	-30.2	915	711	1771	2072	2040	2145	3881	2640	3503	4417	3172
39 1967 Federal Report Surplus Deficit	2070	488	375	202	553	1947	3628	3804	3930	1590	120	4283	5436	3670
40 1968 Federal Report Surplus Deficit	2571	1924	662	692	1063	1774	3156	3261	3536	230	1431	3337	4972	3339
41 1969 Federal Report Surplus Deficit	2691	2560	1696	1518	2163	2748	4014	4128	3989	3810	4250	5108	5196	3264
42 1970 Federal Report Surplus Deficit	2297	1103	521	737	957	714	2723	2545	2479	897	1889	4424	5450	1980
43 1971 Federal Report Surplus Deficit	1502	106	131	206	655	1164	4037	4328	4569	3675	3937	5092	5610	3853
44 1972 Federal Report Surplus Deficit	3088	3337	869	1012	733	2109	3896	4517	5124	4524	3285	5074	5512	3810
45 1973 Federal Report Surplus Deficit	3111	3359	1109	914	810	1658	2380	1150	1593	-924	966	3488	1832	1698
46 1974 Federal Report Surplus Deficit	1028	-523	-121	307	482	2472	4300	4298	4998	4130	4334	4989	5562	4091
47 1975 Federal Report Surplus Deficit	3050	3347	1069	155	794	596	2710	2829	3522	674	1827	4799	5534	3988
48 1976 Federal Report Surplus Deficit	2781	2556	1100	1735	2460	4185	3866	4138	4310	4064	3905	5117	5169	3696
49 1977 Federal Report Surplus Deficit	3250	3659	3587	993	839	71.0	666	607	954	-944	372	1762	152	842
50 1978 Federal Report Surplus Deficit	740	-595	-564	-115	767	1200	2333	2395	3001	3723	2942	4622	4114	3286
51 1979 Federal Report Surplus Deficit	1354	139	1627	1092	896	438	1784	565	3143	434	2314	4698	3927	61.9
52 1980 Federal Report Surplus Deficit	407	-270	331	365	787	-12.8	1379	733	1401	1747	3146	5053	5049	2648
53 1981 Federal Report Surplus Deficit	692	-728	425	345	729	3061	3573	3654	2855	-668	2006	4422	5453	3489
54 1982 Federal Report Surplus Deficit	3143	2495	731	604	1084	1659	3216	4510	4916	3683	3497	4947	5524	4037

Federal Report Surplus Deficit By Water Year

Operating Year 2018

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Federal Report Surplus Deficit	3035	3227	1740	1620	1129	2274	3541	4030	4556	2938	2896	4714	5184	3745
56 1984 Federal Report Surplus Deficit	2963	2833	996	761	2743	2639	3191	3648	3833	4095	4171	4804	5529	3571
57 1985 Federal Report Surplus Deficit	2735	971	1002	832	1026	1723	1970	1657	2018	2552	3485	4544	3838	1649
58 1986 Federal Report Surplus Deficit	-217	-899	324	146	2193	1967	3022	3802	4780	3999	4170	4290	4819	2657
59 1987 Federal Report Surplus Deficit	1333	10.3	-92.8	36.5	919	1860	1574	1154	2065	-29.7	1694	4155	3812	1249
60 1988 Federal Report Surplus Deficit	606	-871	0.59	262	708	-25.4	83.0	-639	1268	-205	1580	3341	1922	2308
61 1989 Federal Report Surplus Deficit	1469	24.5	208	230	1002	856	297	144	2653	1865	4240	4343	4000	1448
62 1990 Federal Report Surplus Deficit	676	-513	158	455	967	2003	2968	3214	3502	1651	3982	4167	5215	3067
63 1991 Federal Report Surplus Deficit	2759	1696	263	137	2466	2958	3557	3537	3757	2193	2537	4485	4972	3587
64 1992 Federal Report Surplus Deficit	3051	2241	243	502	777	-23.2	1091	825	2804	-750	573	3328	1697	966
65 1993 Federal Report Surplus Deficit	814	-552	-255	333	968	452	-304	-746	1997	769	2176	4572	4545	2000
66 1994 Federal Report Surplus Deficit	1652	383	789	426	1138	607	-513	-267	905	-252	1585	3975	3542	1958
67 1995 Federal Report Surplus Deficit	1295	-448	183	334	449	463	1527	2510	3670	1038	1906	4172	5158	2901
68 1996 Federal Report Surplus Deficit	1208	197	899	1361	3343	4143	4259	4512	5032	3870	4421	5010	5153	3634
69 1997 Federal Report Surplus Deficit	2979	2408	619	571	909	2743	4246	4331	5097	3963	4438	5000	5527	3720
70 1998 Federal Report Surplus Deficit	3041	3335	1732	3231	2074	1722	2228	2381	2683	1418	2824	5015	5444	3196
71 1999 Federal Report Surplus Deficit	2867	1399	342	336	315	2378	3844	4278	4687	2675	3798	4604	5478	3857
72 2000 Federal Report Surplus Deficit	3313	3447	1069	590	2930	3213	2741	2838	3504	3620	4213	4748	3672	2988
73 2001 Federal Report Surplus Deficit	2197	-341	9.76	380	687	191	380	388	1224	-679	504	2677	59.8	1076
74 2002 Federal Report Surplus Deficit	810	-706	-497	-202	806	545	353	412	1926	1516	3703	4227	5400	3575
75 2003 Federal Report Surplus Deficit	714	141	324	468	1024	447	68.6	5.60	3207	1524	2562	4144	5090	1744
76 2004 Federal Report Surplus Deficit	689	-495	-135	252	1270	1063	1189	462	2051	925	2056	4015	3667	2126
77 2005 Federal Report Surplus Deficit	134	-440	1093	978	775	1997	2728	919	1570	-619	1580	4230	4127	2571
78 2006 Federal Report Surplus Deficit	1341	-134	308	-127	840	1643	3142	3426	3412	3991	4330	4963	5370	2950
79 2007 Federal Report Surplus Deficit	1966	-592	-232	363	1153	919	2689	2730	3631	3081	2505	4345	4514	3104
80 2008 Federal Report Surplus Deficit	1119	-523	-378	446	1177	162	953	1177	2035	1073	193	4728	5684	3348

Ranked Averages

81 Bottom 10 pct	349	-635	195	348	1017	1065	1872	1592	2475	1324	2630	4150	4129	2631
82 Middle 80 pct	1899	797	417	642	1094	1553	2240	2284	3046	1965	2751	4414	4556	2765
83 Top 10 pct	3171	3138	1760	1188	1473	1914	2375	2427	3038	2198	2761	4161	4042	2695

Federal Report Surplus Deficit By Water Year

Operating Year 2019

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	2311	1876	371	215	586	25.2	192	192	661	-822	1224	2648	2612	-381
2 1930 Federal Report Surplus Deficit	1316	-60.6	1006	369	741	104	-834	354	722	351	2025	2170	-609	1993
3 1931 Federal Report Surplus Deficit	1795	17.1	541	257	795	186	-463	-1164	354	-3.51	-1166	3250	-410	2073
4 1932 Federal Report Surplus Deficit	1750	369	521	64.0	264	102	-1278	-1466	2562	3339	3469	4884	4563	3185
5 1933 Federal Report Surplus Deficit	2191	1353	1341	223	99.3	1647	2992	2871	2979	1496	2074	4080	5018	4586
6 1934 Federal Report Surplus Deficit	3151	2683	1014	1077	2851	3606	4061	3788	4089	3722	3501	4224	3749	2331
7 1935 Federal Report Surplus Deficit	813	-467	377	154	-174	70.6	2779	2372	3056	104	2219	3771	3265	3705
8 1936 Federal Report Surplus Deficit	3049	416	431	287	485	-122	-954	-271	1128	460	3371	4861	4405	2114
9 1937 Federal Report Surplus Deficit	1634	-55.4	693	284	833	82.4	-736	-1097	425	-443	344	3240	1752	-87.3
10 1938 Federal Report Surplus Deficit	1390	-280	711	252	544	566	2487	2532	3492	3096	3884	4653	3954	3355
11 1939 Federal Report Surplus Deficit	704	-350	1074	215	425	-30.0	1372	796	1645	1662	2982	3973	1505	2065
12 1940 Federal Report Surplus Deficit	1096	-372	710	266	945	516	1734	57.6	3691	1801	2421	3833	1339	1776
13 1941 Federal Report Surplus Deficit	713	-671	536	8.68	655	774	-21.1	143	1028	-861	732	3245	1567	1639
14 1942 Federal Report Surplus Deficit	1598	36.4	820	-39.0	1169	1655	2526	1792	2555	-38.5	2226	3600	3540	3646
15 1943 Federal Report Surplus Deficit	2354	1296	1461	261	-68.1	347	3139	2824	3418	4199	4150	4332	4992	4377
16 1944 Federal Report Surplus Deficit	2840	1044	546	121	642	-6.34	252	283	683	-747	657	1857	-772	548
17 1945 Federal Report Surplus Deficit	1344	-80.9	362	191	640	81.1	-461	-205	633	-534	-1673	4174	4117	246
18 1946 Federal Report Surplus Deficit	1203	-76.5	783	150	817	891	1891	1847	3298	3397	3934	4690	3981	4032
19 1947 Federal Report Surplus Deficit	2614	1688	1096	118	701	3571	3726	3410	3695	2551	2743	4722	4061	3765
20 1948 Federal Report Surplus Deficit	2246	839	943	2774	1928	2560	3511	2865	3256	1870	3364	4998	4965	4313
21 1949 Federal Report Surplus Deficit	3279	3035	1439	574	431	1168	1925	1913	3675	2643	3665	4922	4095	1004
22 1950 Federal Report Surplus Deficit	680	-732	479	48.9	448	521	3343	3717	3921	3738	3316	4399	4994	4789
23 1951 Federal Report Surplus Deficit	3266	2937	1269	1297	2240	3651	4067	4121	4436	3916	3389	4662	4068	4273
24 1952 Federal Report Surplus Deficit	2987	971	942	2189	1277	2579	3156	3179	3649	3708	4085	5005	4319	3608
25 1953 Federal Report Surplus Deficit	2217	255	323	209	340	-51.0	1115	2919	2613	517	1929	4256	5052	4411
26 1954 Federal Report Surplus Deficit	2801	1632	997	508	686	1889	3289	3503	3741	2213	2740	4631	4762	4700
27 1955 Federal Report Surplus Deficit	3436	3497	3049	630	1430	1919	1175	1098	664	213	1644	3970	5045	4706
28 1956 Federal Report Surplus Deficit	3157	1968	738	844	1840	3620	3927	4096	4322	3523	3942	4954	4987	4339
29 1957 Federal Report Surplus Deficit	3042	2534	1022	749	455	2033	2196	1577	3212	3343	2560	5046	4932	3123
30 1958 Federal Report Surplus Deficit	1769	535	1016	140	645	222	2556	2556	3055	1563	3068	4931	4760	2810
31 1959 Federal Report Surplus Deficit	2136	278	629	360	1291	3292	3780	3665	3960	3022	2556	4146	4731	4530
32 1960 Federal Report Surplus Deficit	3329	3068	3394	3654	2902	3091	2704	2400	3372	4170	3261	3795	4423	3632
33 1961 Federal Report Surplus Deficit	2510	292	617	461	564	1414	2569	3327	3893	2411	2232	4503	4822	3063
34 1962 Federal Report Surplus Deficit	2316	753	553	-78.3	599	972	2437	2284	1650	3663	3846	4438	3762	3062
35 1963 Federal Report Surplus Deficit	2081	1153	445	1083	1417	3007	2920	2665	2626	443	1896	4130	3810	3475
36 1964 Federal Report Surplus Deficit	1987	610	1224	106	340	1372	1270	1287	1805	2693	1781	4327	5033	4590
37 1965 Federal Report Surplus Deficit	3196	2633	1733	1277	1119	3614	4183	4135	4253	1956	3787	4755	4151	3647
38 1966 Federal Report Surplus Deficit	2980	2499	450	750	544	1644	1972	1912	2010	3680	2366	3330	3572	3619
39 1967 Federal Report Surplus Deficit	2819	484	634	63.1	389	1819	3595	3490	3781	1482	-37.9	4032	4814	4370
40 1968 Federal Report Surplus Deficit	2810	1970	1066	534	888	1647	3106	3032	3374	137	1264	3192	4314	3875
41 1969 Federal Report Surplus Deficit	2898	1665	2099	1326	1936	2592	3938	3779	3793	3609	3749	4911	4512	3753
42 1970 Federal Report Surplus Deficit	1857	495	875	584	785	595	2648	2382	2248	863	1705	4239	4742	2031
43 1971 Federal Report Surplus Deficit	1489	454	635	69.0	490	1050	3977	3944	4332	3634	3397	4883	4992	4479
44 1972 Federal Report Surplus Deficit	3260	3357	1252	848	568	1976	3866	4133	4635	4067	3000	4853	4862	4612
45 1973 Federal Report Surplus Deficit	3288	3352	1432	751	642	1538	2296	1052	1412	-1051	859	3284	747	1707
46 1974 Federal Report Surplus Deficit	1223	-323	383	164	318	2324	4191	3914	4584	3958	3833	4789	4954	4816
47 1975 Federal Report Surplus Deficit	3245	3368	1406	23.5	626	472	2641	2641	3357	581	1684	4528	4932	4587
48 1976 Federal Report Surplus Deficit	2705	2237	1515	1543	2216	3645	3787	3803	4103	3868	3394	4942	4499	4448
49 1977 Federal Report Surplus Deficit	3510	3548	4077	827	669	-62.9	499	500	748	-1069	271	1718	-1094	830
50 1978 Federal Report Surplus Deficit	1460	-258	27.6	-247	600	1086	2233	2244	2905	3593	2611	4319	3229	3784
51 1979 Federal Report Surplus Deficit	1698	227	2185	921	725	309	1670	450	2992	300	2099	4466	2967	-24.9
52 1980 Federal Report Surplus Deficit	1276	-126	983	223	618	-172	1238	625	1211	1631	2806	4923	4373	2863
53 1981 Federal Report Surplus Deficit	920	-279	908	204	562	2895	3533	3398	2706	-831	1868	4159	4823	4212
54 1982 Federal Report Surplus Deficit	3393	2941	1136	455	907	1538	3173	4127	4554	3592	3175	4752	4869	4695

Federal Report Surplus Deficit By Water Year

Operating Year 2019

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Federal Report Surplus Deficit	3320	3277	2146	1432	953	2135	3503	3808	4320	2865	2604	4530	4501	4390
56 1984 Federal Report Surplus Deficit	3149	2186	1406	605	2495	2486	3105	3422	3721	3874	3833	4615	4905	4188
57 1985 Federal Report Surplus Deficit	3168	1376	1407	676	853	1601	1868	1552	1853	2490	3139	4317	2861	1652
58 1986 Federal Report Surplus Deficit	620	-751	864	19.0	1964	1836	2965	3609	4445	3790	3799	4025	4088	2876
59 1987 Federal Report Surplus Deficit	1605	56.5	325	-90.3	750	1734	1446	1061	1895	-280	1623	3904	2858	1215
60 1988 Federal Report Surplus Deficit	651	-694	409	120	538	-185	-126	-911	1073	-332	1439	3154	759	2433
61 1989 Federal Report Surplus Deficit	1558	15.4	650	94.3	829	739	98.0	-3.02	2551	1797	3756	4103	3048	1424
62 1990 Federal Report Surplus Deficit	811	-309	736	310	793	1868	2854	2881	3406	1535	3521	3916	4543	3450
63 1991 Federal Report Surplus Deficit	3027	2368	595	5.51	2224	2796	3547	3257	3605	2083	2309	4238	4231	4386
64 1992 Federal Report Surplus Deficit	3324	2314	556	355	610	-186	942	723	2656	-876	474	3145	538	910
65 1993 Federal Report Surplus Deficit	1281	-322	-32.1	186	794	324	-531	-1036	1832	646	1985	4352	3703	2046
66 1994 Federal Report Surplus Deficit	1692	445	1063	282	957	488	-749	-283	2006	-481	1433	3209	2026	2009
67 1995 Federal Report Surplus Deficit	1425	-370	515	188	285	336	1395	2143	2770	2558	1963	4151	4529	3205
68 1996 Federal Report Surplus Deficit	1606	383	1415	1182	3077	3603	4160	4128	4549	3707	3951	4806	4461	4401
69 1997 Federal Report Surplus Deficit	3251	2313	1041	422	739	2585	4200	3948	4643	3767	3953	4820	4897	4490
70 1998 Federal Report Surplus Deficit	3227	3365	2108	3006	1852	1601	2134	2235	2532	1299	2560	4922	4819	3644
71 1999 Federal Report Surplus Deficit	2711	544	627	199	149	2234	3837	3966	4404	2571	3457	4392	4866	4639
72 2000 Federal Report Surplus Deficit	3521	3461	1470	441	2678	3042	2676	2724	3314	3485	3678	4537	2667	3344
73 2001 Federal Report Surplus Deficit	2477	-226	322	240	520	54.6	196	265	1029	-806	404	2552	-1200	1023
74 2002 Federal Report Surplus Deficit	1402	-91.8	94.6	-334	638	420	164	290	1781	1322	3328	3968	4748	4173
75 2003 Federal Report Surplus Deficit	2176	565	991	318	847	319	-142	-160	3078	1338	2302	3878	4377	1751
76 2004 Federal Report Surplus Deficit	844	-531	214	110	1083	948	1039	345	1882	796	1857	3789	2689	2196
77 2005 Federal Report Surplus Deficit	1386	347	1530	810	608	1866	2388	1395	1381	-735	1465	3941	3215	2740
78 2006 Federal Report Surplus Deficit	1989	-37.8	824	-252	671	1522	3076	3183	3282	3759	3892	4839	4720	3247
79 2007 Federal Report Surplus Deficit	1170	58.3	395	222	975	803	2623	2546	3477	3057	2233	4120	3662	3484
80 2008 Federal Report Surplus Deficit	1463	-335	213	295	995	15.1	789	1093	1885	898	81.8	4560	5072	3833

Ranked Averages

81 Bottom 10 pct	729	-563	586	123	717	725	1776	1619	2557	1304	2483	3784	2926	2894
82 Middle 80 pct	2204	917	878	494	918	1438	2143	2072	2857	1918	2491	4253	3874	3148
83 Top 10 pct	3390	3182	2157	1068	1349	1627	2121	2054	2630	1416	1996	3716	2712	3027

Federal Report Surplus Deficit By Water Year

Operating Year 2020

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	2419	2033	524	-1.40	865	226	421	474	748	-596	1203	2713	3252	-606
2 1930 Federal Report Surplus Deficit	1387	115	1183	225	969	280	-416	613	773	354	1520	2303	1374	1699
3 1931 Federal Report Surplus Deficit	1877	184	717	111	1099	391	-947	-464	1622	235	-1218	3154	803	2113
4 1932 Federal Report Surplus Deficit	1819	527	689	-298	520	328	-513	-1185	2533	3428	4059	4915	4628	3077
5 1933 Federal Report Surplus Deficit	2278	1478	1515	98.6	732	1990	3212	3411	3180	1306	2227	4276	5048	4117
6 1934 Federal Report Surplus Deficit	3527	2923	1191	888	3425	3913	4370	4724	4467	4023	4077	4504	3772	2181
7 1935 Federal Report Surplus Deficit	920	-274	550	47.3	435	672	3095	3031	3152	-5.19	2457	3954	3633	3392
8 1936 Federal Report Surplus Deficit	3339	574	584	10.1	804	264	-768	419	1204	483	3678	4917	4457	2145
9 1937 Federal Report Surplus Deficit	1700	121	865	145	1066	310	-659	-260	676	-235	-708	3390	2571	774
10 1938 Federal Report Surplus Deficit	1456	-95.1	883	63.6	848	849	2706	2887	3618	3026	4371	4829	4273	3201
11 1939 Federal Report Surplus Deficit	829	-149	1250	124	674	150	1978	1164	1673	1665	3267	4160	2395	2008
12 1940 Federal Report Surplus Deficit	1170	-188	886	193	1305	1538	939	1340	3715	1801	2648	4037	2923	1510
13 1941 Federal Report Surplus Deficit	846	-449	710	-123	1070	906	172	410	1051	-749	760	3365	2587	1756
14 1942 Federal Report Surplus Deficit	1665	203	996	-308	1482	2393	2350	1973	1688	412	2405	3758	3708	3667
15 1943 Federal Report Surplus Deficit	2392	1461	1626	215	452	1065	3265	3364	3651	4331	4427	4527	5005	3984
16 1944 Federal Report Surplus Deficit	3068	1153	709	8.99	886	174	757	574	501	-712	895	1959	416	551
17 1945 Federal Report Surplus Deficit	1451	89.1	534	-44.5	952	291	-548	57.8	881	-465	-952	4372	4305	291
18 1946 Federal Report Surplus Deficit	1283	105	953	-38.2	925	1350	2282	2565	3265	3364	4386	4848	4220	3577
19 1947 Federal Report Surplus Deficit	2777	1855	1273	-108	1442	3399	3977	4137	3882	2523	3002	4824	4243	3518
20 1948 Federal Report Surplus Deficit	2356	973	1119	2618	2652	2454	3764	3401	3436	2028	3837	5011	4952	3820
21 1949 Federal Report Surplus Deficit	3706	3330	1610	375	1190	1176	2134	1667	4208	2544	4098	4971	4310	726
22 1950 Federal Report Surplus Deficit	805	-500	642	-110	698	1489	3636	4610	4066	3677	3648	4613	4945	4342
23 1951 Federal Report Surplus Deficit	3697	3209	1444	1109	2943	3486	4343	5057	4914	3943	3944	4820	4259	3915
24 1952 Federal Report Surplus Deficit	2981	1117	1115	2044	2021	2472	3439	3803	3761	3685	4519	5009	4418	3343
25 1953 Federal Report Surplus Deficit	2325	376	476	24.7	868	306	548	4368	2652	570	2118	4461	5085	3978
26 1954 Federal Report Surplus Deficit	2932	1767	1174	305	1435	1862	3100	4530	3925	2148	3001	4849	4656	4252
27 1955 Federal Report Surplus Deficit	3794	4016	3203	432	2168	1877	1150	1753	406	236	1750	4146	5070	4254
28 1956 Federal Report Surplus Deficit	3554	2061	911	652	2568	3424	4210	4991	4582	3480	4365	4992	4951	3953
29 1957 Federal Report Surplus Deficit	3363	2753	1198	555	1147	2057	2455	1212	3693	3325	2839	4958	4971	2862
30 1958 Federal Report Surplus Deficit	1836	666	1193	94.6	1011	1009	2736	3142	3220	1595	3404	4972	4727	2549
31 1959 Federal Report Surplus Deficit	2230	438	800	299	2030	3139	4050	4422	4065	2988	2869	4432	4752	4049
32 1960 Federal Report Surplus Deficit	3595	3364	3561	3499	3471	2945	2889	2851	3408	4472	3803	3973	4533	3396
33 1961 Federal Report Surplus Deficit	2644	407	786	273	1313	1415	2710	3526	4250	2273	2444	4799	4740	2540
34 1962 Federal Report Surplus Deficit	2424	906	725	-132	1036	1340	2542	2780	1437	3651	4384	4626	4181	2821
35 1963 Federal Report Surplus Deficit	2172	1275	602	882	2157	2877	3284	3137	2442	493	2046	4326	4055	3259
36 1964 Federal Report Surplus Deficit	2069	762	1400	-19.4	1013	1375	1503	1341	1760	2623	1905	4520	4978	4134
37 1965 Federal Report Surplus Deficit	3396	2878	1889	1099	1863	3513	4522	5071	4522	1952	4252	4859	4267	3402
38 1966 Federal Report Surplus Deficit	3280	2754	615	557	1295	1626	2213	2315	1979	3705	2583	3466	3903	3403
39 1967 Federal Report Surplus Deficit	3043	638	806	-82.7	825	2076	3846	4118	3858	1481	-5.83	4295	4740	3985
40 1968 Federal Report Surplus Deficit	3019	2135	1243	335	1635	1630	2896	3904	3648	228	1353	3318	4379	3604
41 1969 Federal Report Surplus Deficit	3145	1831	2241	1160	2660	2483	4216	4622	3873	3605	4245	5012	4592	3465
42 1970 Federal Report Surplus Deficit	1923	651	1049	499	1276	864	2737	2929	2456	884	1838	4437	4902	1729
43 1971 Federal Report Surplus Deficit	1545	567	807	16.3	814	1710	4286	4880	4560	3534	3937	4958	4936	4059
44 1972 Federal Report Surplus Deficit	3620	3711	1428	666	1317	1939	4126	5069	5124	4427	3641	4952	4797	4123
45 1973 Federal Report Surplus Deficit	3703	3735	1603	568	1373	1552	2541	1763	1274	-863	856	3366	1763	1449
46 1974 Federal Report Surplus Deficit	1299	-138	555	-22.3	920	2454	4548	4850	5053	4027	4307	4919	4865	4372
47 1975 Federal Report Surplus Deficit	3665	3750	1580	-155	873	1005	2900	3251	3529	607	1806	4740	5011	4166
48 1976 Federal Report Surplus Deficit	2900	2425	1680	1385	2921	3855	4057	4643	4307	3914	3868	5001	4578	4022
49 1977 Federal Report Surplus Deficit	3845	4165	4058	634	927	255	1010	771	362	-904	278	1747	152	1052
50 1978 Federal Report Surplus Deficit	1567	-78.1	181	-455	882	1407	2512	2705	3008	3578	2870	4553	3679	3528
51 1979 Federal Report Surplus Deficit	1756	335	2340	731	1329	562	926	2267	2840	547	2253	4626	3506	177
52 1980 Federal Report Surplus Deficit	1350	54.1	1159	165	934	135	1809	503	1175	1439	3295	4979	4543	2309
53 1981 Federal Report Surplus Deficit	1000	-110	1085	119	1275	2833	3776	4068	2643	-610	1954	4392	4810	3809
54 1982 Federal Report Surplus Deficit	3715	3217	1312	259	1644	1533	3436	5063	4996	3590	3460	4847	4997	4321

Federal Report Surplus Deficit By Water Year

Operating Year 2020

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Federal Report Surplus Deficit	3570	3614	2293	1258	1699	2087	3760	4514	4637	2788	2841	4616	4552	3992
56 1984 Federal Report Surplus Deficit	3524	2373	1578	424	3158	2397	3430	4124	3893	3925	4119	4755	5005	3805
57 1985 Federal Report Surplus Deficit	3487	1498	1579	491	1599	1593	2100	2042	2141	2348	3475	4543	3363	1548
58 1986 Federal Report Surplus Deficit	745	-519	1036	879	2012	1809	2949	4220	4879	3926	4099	4211	4343	2641
59 1987 Federal Report Surplus Deficit	1670	228	489	-72.0	1424	1717	1310	1260	2436	-254	1741	4088	3439	1310
60 1988 Federal Report Surplus Deficit	768	-470	572	-99.2	768	123	-195	-643	1332	-308	1545	3275	2126	2395
61 1989 Federal Report Surplus Deficit	1625	186	819	-76.3	1091	1200	297	-542	2634	1807	4293	4285	3549	1850
62 1990 Federal Report Surplus Deficit	930	-134	908	144	1313	2023	2550	3911	3684	1542	4086	4045	4532	3278
63 1991 Federal Report Surplus Deficit	3291	2565	763	-110	2976	2699	3739	3799	3708	2538	2501	4438	4349	3921
64 1992 Federal Report Surplus Deficit	3603	2508	722	-76.2	857	141	968	1783	2403	-857	847	3271	1702	1232
65 1993 Federal Report Surplus Deficit	1353	-140	121	-110	1055	522	-582	-759	1921	688	2167	4544	4216	1911
66 1994 Federal Report Surplus Deficit	1748	554	1238	99.0	1179	720	16.6	183	1597	-461	1534	3325	3176	1830
67 1995 Federal Report Surplus Deficit	1495	-180	689	-27.9	657	784	1642	2296	2755	2497	2117	4390	4634	3079
68 1996 Federal Report Surplus Deficit	1662	537	1588	1208	3597	3988	4487	5064	5227	3727	4415	4934	4551	3969
69 1997 Federal Report Surplus Deficit	3466	2537	1217	225	1481	2483	4557	4883	5140	3848	4371	4889	4837	4046
70 1998 Federal Report Surplus Deficit	3403	3723	2251	2851	2579	1595	1927	3161	2428	1266	2784	4903	4908	3230
71 1999 Federal Report Surplus Deficit	2868	701	795	27.0	732	2330	4079	4840	4624	2495	3786	4580	4892	4195
72 2000 Federal Report Surplus Deficit	3891	3827	1640	246	3308	2921	2930	3121	3449	3466	4234	4689	3205	3109
73 2001 Federal Report Surplus Deficit	2609	-35.2	477	149	823	417	667	537	817	-795	441	2673	311	1000
74 2002 Federal Report Surplus Deficit	1470	83.8	248	-542	875	871	333	534	1822	1335	3754	4139	4734	3872
75 2003 Federal Report Surplus Deficit	2254	679	1167	173	1072	532	103	271	3099	1350	2505	4065	4669	1617
76 2004 Federal Report Surplus Deficit	956	-310	367	-3.37	1618	1645	988	-18.6	1920	820	2001	3972	3563	2308
77 2005 Federal Report Surplus Deficit	1451	497	1686	619	1338	1860	1924	2755	1537	-251	1571	4121	3747	2106
78 2006 Federal Report Surplus Deficit	2059	146	997	-131	1491	1518	3421	3621	3375	3745	4317	4884	4657	3012
79 2007 Federal Report Surplus Deficit	1255	233	552	-271	1507	1578	2920	2410	3966	2982	2341	4484	3759	3307
80 2008 Federal Report Surplus Deficit	1533	-135	366	41.2	1460	734	1174	1040	2107	969	155	4696	5067	3553
Ranked Averages														
81 Bottom 10 pct	850	-351	755	107	1073	1102	1896	2085	2720	1321	2733	3949	3515	2765
82 Middle 80 pct	2349	1082	1077	384	1454	1630	2288	2623	2974	1953	2719	4354	4103	2893
83 Top 10 pct	3752	3656	2056	434	1803	1726	2555	2806	2892	1577	2553	4166	3596	2874

Federal Report Surplus Deficit By Water Year

Operating Year 2021

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	1996	1674	760	-69.2	818	154	336	358	713	-672	1206	2563	2349	-660
2 1930 Federal Report Surplus Deficit	1417	102	705	159	909	204	-440	495	738	275	1523	2119	309	1618
3 1931 Federal Report Surplus Deficit	1673	136	304	45.0	1031	330	-916	-597	1615	156	-1243	3039	-322	2029
4 1932 Federal Report Surplus Deficit	1910	257	567	-367	483	261	-514	-1339	2534	3343	4053	4925	3842	2986
5 1933 Federal Report Surplus Deficit	2147	1426	1193	31.9	696	1968	2985	3416	3164	1369	2243	4217	4358	4029
6 1934 Federal Report Surplus Deficit	3097	2871	1201	823	3402	3859	4293	4603	4410	3938	4064	4459	2963	2096
7 1935 Federal Report Surplus Deficit	696	-216	-47.8	-18.7	435	614	2926	2834	3258	-83.4	2460	3891	2785	3299
8 1936 Federal Report Surplus Deficit	2924	435	554	-57.2	754	193	-737	302	1185	404	3674	4886	3631	2061
9 1937 Federal Report Surplus Deficit	1205	-34.6	369	79.1	1000	245	-665	-387	635	-311	-726	3288	1599	700
10 1938 Federal Report Surplus Deficit	1359	-176	613	-3.29	802	799	2568	2785	3571	2973	4380	4808	3459	3109
11 1939 Federal Report Surplus Deficit	667	-248	938	57.4	638	65.3	1594	1081	1994	1583	3267	4099	1435	1925
12 1940 Federal Report Surplus Deficit	1063	-300	283	128	1231	1511	822	1229	3692	1719	2650	3970	2005	1431
13 1941 Federal Report Surplus Deficit	967	-512	334	-190	1004	859	110	293	1028	-825	760	3274	1647	1674
14 1942 Federal Report Surplus Deficit	1623	140	767	-376	1406	2372	2215	1864	1682	333	2408	3691	2939	3590
15 1943 Federal Report Surplus Deficit	2294	1396	1272	149	451	1022	3156	3247	3630	4229	4421	4476	4288	3891
16 1944 Federal Report Surplus Deficit	2325	987	721	-59.3	837	97.0	649	459	455	-788	896	1748	-753	478
17 1945 Federal Report Surplus Deficit	1262	-66.3	250	-112	893	230	-538	-68.8	847	-541	-972	4316	3494	220
18 1946 Federal Report Surplus Deficit	983	48.8	617	-106	875	1316	2145	2453	3258	3289	4385	4826	3412	3483
19 1947 Federal Report Surplus Deficit	2835	2480	1205	-178	1368	3362	3904	3941	3901	2440	3004	4806	3440	3425
20 1948 Federal Report Surplus Deficit	2095	611	1116	2543	2594	2433	3681	3281	3420	1944	3832	5033	4173	3731
21 1949 Federal Report Surplus Deficit	3142	3203	1605	310	1123	1137	1998	1557	4164	2460	4092	4959	3497	652
22 1950 Federal Report Surplus Deficit	591	-523	-158	-179	668	1461	3508	4514	4031	3589	3642	4565	4224	4257
23 1951 Federal Report Surplus Deficit	3114	3154	1446	1043	2896	3448	4271	4935	4862	3865	3942	4808	3451	3825
24 1952 Federal Report Surplus Deficit	2931	951	1130	1971	1945	2451	3341	3682	3736	3569	4509	5018	3605	3250
25 1953 Federal Report Surplus Deficit	2317	301	158	-42.9	815	237	417	4265	2656	490	2122	4418	4407	3921
26 1954 Federal Report Surplus Deficit	1899	1621	1186	239	1361	1838	2930	4435	3883	2108	3001	4821	3919	4162
27 1955 Federal Report Surplus Deficit	3331	3617	2942	367	2096	1855	1031	1644	363	158	1754	4084	4296	4199
28 1956 Federal Report Surplus Deficit	3075	2391	935	587	2507	3387	4141	4868	4530	3392	4361	5010	4151	3860
29 1957 Federal Report Surplus Deficit	2850	2796	1210	490	1082	2035	2324	1101	3673	3241	2839	5009	4210	2773
30 1958 Federal Report Surplus Deficit	1972	584	724	27.6	950	964	2608	3027	3209	1512	3401	4969	3957	2462
31 1959 Federal Report Surplus Deficit	2087	389	682	234	1954	3109	3979	4292	4022	2906	2872	4394	3994	3979
32 1960 Federal Report Surplus Deficit	3222	3096	3196	3430	3448	2916	2773	2736	3397	4388	3792	3903	3731	3302
33 1961 Federal Report Surplus Deficit	2708	256	801	207	1242	1383	2584	3407	4204	2190	2448	4764	3974	2453
34 1962 Federal Report Surplus Deficit	1884	676	549	-201	976	1306	2409	2666	1424	3567	4378	4583	3356	2732
35 1963 Federal Report Surplus Deficit	2352	1109	662	817	2085	2852	3136	3133	2443	413	2049	4266	3225	3166
36 1964 Federal Report Surplus Deficit	2248	646	1383	-87.2	955	1343	1373	1231	1754	2538	1908	4470	4291	4058
37 1965 Federal Report Surplus Deficit	3104	2834	1873	1033	1786	3472	4434	4950	4453	1834	4247	4864	3483	3309
38 1966 Federal Report Surplus Deficit	2999	2573	645	492	1222	1601	2076	2204	1976	3619	2584	3372	3078	3309
39 1967 Federal Report Surplus Deficit	2726	509	800	-150	781	2055	3767	4101	3740	1399	-12.9	4247	4029	3898
40 1968 Federal Report Surplus Deficit	2781	2045	1249	270	1557	1604	2773	3780	3620	148	1357	3214	3582	3511
41 1969 Federal Report Surplus Deficit	2890	1896	2167	1093	2602	2462	4147	4498	3835	3496	4225	5019	3812	3371
42 1970 Federal Report Surplus Deficit	1877	541	992	434	1206	815	2608	2814	2457	804	1842	4396	4098	1649
43 1971 Federal Report Surplus Deficit	1808	319	494	-50.4	772	1684	4193	4759	4482	3531	3960	4966	4201	3982
44 1972 Federal Report Surplus Deficit	3218	3394	1432	601	1247	1916	4056	4948	5066	4333	3625	4944	4049	4032
45 1973 Federal Report Surplus Deficit	3185	3382	1599	504	1299	1522	2408	1653	1257	-936	857	3267	737	1371
46 1974 Federal Report Surplus Deficit	1391	-44.5	190	-89.1	872	2433	4449	4729	5010	3911	4286	4910	4159	4287
47 1975 Federal Report Surplus Deficit	3147	3433	1580	-224	825	959	2849	3023	3515	527	1810	4740	4263	4074
48 1976 Federal Report Surplus Deficit	2638	2043	1673	1317	2873	3804	3985	4532	4235	3824	3858	5017	3789	3937
49 1977 Federal Report Surplus Deficit	3397	3693	3687	569	871	191	888	658	319	-976	274	1552	-1067	976
50 1978 Federal Report Surplus Deficit	1337	-247	-337	-524	833	1375	2379	2591	3004	3492	2870	4528	2834	3434
51 1979 Federal Report Surplus Deficit	2190	933	1849	666	1257	500	815	2156	2840	467	2256	4575	2635	107
52 1980 Federal Report Surplus Deficit	1110	-180	746	98.9	876	53.5	1674	386	1154	1358	3293	5000	3743	2224
53 1981 Federal Report Surplus Deficit	877	-53.7	770	52.8	1203	2809	3702	3941	2643	-686	1958	4338	4078	3724
54 1982 Federal Report Surplus Deficit	3212	3198	1318	193	1567	1504	3335	4941	4961	3497	3455	4846	4217	4228

Federal Report Surplus Deficit By Water Year

Operating Year 2021

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Federal Report Surplus Deficit	3220	3377	2241	1191	1622	2065	3673	4386	4580	2702	2840	4579	3749	3908
56 1984 Federal Report Surplus Deficit	2987	2784	1575	359	3120	2376	3326	3999	3866	3833	4108	4734	4240	3711
57 1985 Federal Report Surplus Deficit	2950	1329	1576	425	1523	1565	1963	1932	2141	2262	3471	4493	2475	1469
58 1986 Federal Report Surplus Deficit	295	-542	452	814	1936	1785	2825	4095	4826	3779	4111	4160	3554	2555
59 1987 Federal Report Surplus Deficit	1931	-10.8	357	-140	1351	1692	1185	1150	2437	-331	1744	4018	2576	1233
60 1988 Federal Report Surplus Deficit	910	-509	172	-166	713	41.0	-224	-781	1316	-385	1548	3169	1114	2309
61 1989 Federal Report Surplus Deficit	1612	108	559	-144	1028	1163	228	-678	2636	1718	4285	4232	2680	1769
62 1990 Federal Report Surplus Deficit	983	-104	499	77.5	1240	2001	2418	3785	3657	1459	4080	3986	3725	3184
63 1991 Federal Report Surplus Deficit	2937	2164	696	-179	2932	2676	3657	3688	3672	2457	2514	4383	3570	3838
64 1992 Federal Report Surplus Deficit	3223	2382	756	-144	808	56.6	852	1673	2404	-929	848	3164	674	1155
65 1993 Federal Report Surplus Deficit	1344	-177	-372	-177	991	459	-575	-899	1915	608	2170	4490	3319	2053
66 1994 Federal Report Surplus Deficit	1652	507	879	32.4	1109	670	-32.0	62.3	1588	-538	1537	3246	2290	1749
67 1995 Federal Report Surplus Deficit	1416	-161	406	-94.3	623	733	1509	2186	2755	2413	2120	4339	3843	2988
68 1996 Federal Report Surplus Deficit	1517	537	1328	1141	3578	3935	4403	4943	5209	3601	4415	4931	3780	3883
69 1997 Federal Report Surplus Deficit	3131	2380	1229	159	1406	2462	4470	4762	5110	3759	4374	4905	4098	3965
70 1998 Federal Report Surplus Deficit	3158	3400	2203	2776	2518	1567	1791	3044	2430	1185	2786	4924	4143	3138
71 1999 Federal Report Surplus Deficit	3006	1311	795	-40.7	699	2309	4009	4711	4574	2413	3782	4536	4163	4116
72 2000 Federal Report Surplus Deficit	3433	3497	1634	180	3278	2895	2808	3005	3436	3372	4223	4670	2306	3017
73 2001 Federal Report Surplus Deficit	2692	-125	247	82.5	773	354	561	422	785	-871	439	2522	-908	925
74 2002 Federal Report Surplus Deficit	1349	-20.7	-258	-611	824	821	260	419	1817	1254	3749	4077	3935	3784
75 2003 Federal Report Surplus Deficit	1928	1219	719	107	1006	469	48.5	152	3095	1268	2508	4003	3885	1538
76 2004 Federal Report Surplus Deficit	880	-315	-9.10	-69.8	1540	1618	876	-143	1918	740	2004	3903	2705	2224
77 2005 Federal Report Surplus Deficit	637	265	1157	554	1265	1836	1787	2640	1528	-329	1574	4078	2912	2024
78 2006 Federal Report Surplus Deficit	1854	260	582	-199	1415	1489	3322	3501	3358	3655	4308	4873	3886	2922
79 2007 Federal Report Surplus Deficit	1443	-40.8	165	-342	1431	1550	2799	2299	3932	2898	2344	4441	2939	3222
80 2008 Federal Report Surplus Deficit	1416	-275	-51.2	-24.9	1384	680	1054	929	2106	889	149	4675	4355	3460

Ranked Averages

81 Bottom 10 pct	694	-268	409	131	1050	1279	2124	2273	2689	1026	2571	4025	2851	2790
82 Middle 80 pct	2160	1011	843	252	1377	1563	2149	2430	2933	1827	2731	4310	3255	2759
83 Top 10 pct	3282	3282	2151	798	1867	1675	2427	2999	3066	2068	2601	3968	2745	3102

Federal Report Surplus Deficit By Water Year

Operating Year 2022

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	1900	1555	574	-170	662	48.3	167	213	572	-817	1090	2553	3110	-664
2 1930 Federal Report Surplus Deficit	1316	-14.8	519	45.8	757	96.9	-590	352	597	133	1406	2128	1218	1619
3 1931 Federal Report Surplus Deficit	1574	18.0	118	-68.8	884	231	-1048	-722	1430	14.3	-1359	3006	640	2029
4 1932 Federal Report Surplus Deficit	1813	139	382	-463	326	159	-657	-1445	2327	3134	3861	4701	4468	2974
5 1933 Federal Report Surplus Deficit	2052	1306	1009	-75.5	539	1873	2773	3170	2923	1217	2117	4103	4886	3983
6 1934 Federal Report Surplus Deficit	3009	2760	1017	701	3226	3653	4094	4406	4183	3715	3867	4290	3657	2094
7 1935 Federal Report Surplus Deficit	589	-332	-228	-130	277	517	2708	2614	3014	-226	2330	3805	3506	3279
8 1936 Federal Report Surplus Deficit	2835	317	372	-161	598	88.5	-869	159	1020	263	3478	4684	4304	2059
9 1937 Federal Report Surplus Deficit	1102	-150	188	-30.5	852	144	-809	-519	502	-455	-840	3244	2425	702
10 1938 Federal Report Surplus Deficit	1258	-291	428	-109	646	705	2383	2575	3319	2753	4190	4610	4132	3095
11 1939 Federal Report Surplus Deficit	559	-361	752	-51.0	481	-47.7	1417	1066	1679	1427	3121	4001	2250	1925
12 1940 Federal Report Surplus Deficit	960	-415	99.0	13.0	1090	1421	647	1076	3438	1538	2516	3884	2780	1432
13 1941 Federal Report Surplus Deficit	861	-623	149	-295	855	766	-51.5	149	869	-969	648	3219	2443	1675
14 1942 Federal Report Surplus Deficit	1524	22.7	582	-473	1270	2266	2043	1705	1495	191	2271	3609	3635	3555
15 1943 Federal Report Surplus Deficit	2092	1295	1092	36.1	294	931	2930	3024	3378	4012	4237	4308	4883	3850
16 1944 Federal Report Surplus Deficit	2232	867	536	-158	682	-11.5	475	313	329	-932	782	1770	246	479
17 1945 Federal Report Surplus Deficit	1161	-183	65.3	-214	741	131	-678	-201	705	-685	-1088	4196	4153	219
18 1946 Federal Report Surplus Deficit	878	-67.1	434	-205	719	1227	1972	2283	3024	3068	4197	4637	4089	3457
19 1947 Federal Report Surplus Deficit	2746	2366	1021	-270	1227	3175	3707	3670	3641	2223	2850	4603	4107	3400
20 1948 Federal Report Surplus Deficit	2001	492	931	2414	2479	2324	3476	3040	3185	1755	3640	4782	4771	3694
21 1949 Federal Report Surplus Deficit	3054	3095	1431	193	975	1047	1825	1401	3916	2245	3898	4744	4153	653
22 1950 Federal Report Surplus Deficit	482	-629	-338	-275	510	1371	3297	4258	3770	3376	3442	4407	4821	4172
23 1951 Federal Report Surplus Deficit	3027	3045	1267	923	2750	3259	4077	4689	4627	3660	3752	4586	4125	3781
24 1952 Federal Report Surplus Deficit	2842	830	945	1828	1825	2342	3127	3425	3481	3386	4328	4778	4273	3231
25 1953 Federal Report Surplus Deficit	2225	183	-18.1	-145	661	133	250	3997	2446	350	1998	4267	4929	3878
26 1954 Federal Report Surplus Deficit	1872	1501	1002	124	1221	1745	2732	4173	3622	1911	2843	4612	4526	4088
27 1955 Federal Report Surplus Deficit	3243	3421	2824	249	1982	1759	855	1487	243	15.4	1634	3984	4905	4114
28 1956 Federal Report Surplus Deficit	2986	2227	749	467	2385	3199	3948	4619	4296	3157	4161	4759	4783	3820
29 1957 Federal Report Surplus Deficit	2761	2684	1026	370	933	1938	2152	948	3415	3030	2703	4731	4804	2764
30 1958 Federal Report Surplus Deficit	1875	465	538	-78.1	799	872	2422	2812	2968	1348	3216	4744	4589	2458
31 1959 Federal Report Surplus Deficit	1992	270	496	119	1835	2932	3783	4033	3774	2693	2725	4228	4610	3930
32 1960 Federal Report Surplus Deficit	3138	3005	3082	3286	3270	2741	2595	2531	3171	4164	3597	3823	4378	3279
33 1961 Federal Report Surplus Deficit	2618	139	615	92.4	1098	1294	2397	3154	3960	1986	2318	4567	4605	2448
34 1962 Federal Report Surplus Deficit	1787	556	363	-297	824	1216	2240	2476	1250	3352	4191	4419	4038	2724
35 1963 Federal Report Surplus Deficit	2260	988	478	695	1970	2703	2919	2874	2235	272	1925	4154	3913	3147
36 1964 Federal Report Surplus Deficit	2155	526	1203	-188	803	1253	1196	1077	1567	2326	1787	4322	4837	4012
37 1965 Federal Report Surplus Deficit	3018	2656	1709	914	1661	3280	4230	4760	4224	1650	4063	4643	4128	3288
38 1966 Federal Report Surplus Deficit	2911	2460	459	371	1080	1509	1902	2043	1783	3409	2452	3321	3774	3288
39 1967 Federal Report Surplus Deficit	2636	390	614	-254	625	1958	3565	3835	3490	1261	-124	4094	4578	3852
40 1968 Federal Report Surplus Deficit	2691	1928	1067	152	1424	1513	2563	3500	3350	6.89	1239	3172	4217	3482
41 1969 Federal Report Surplus Deficit	2801	1779	2025	974	2492	2353	3954	4247	3579	3299	4046	4784	4444	3348
42 1970 Federal Report Surplus Deficit	1780	422	806	316	1060	721	2423	2599	2249	663	1721	4244	4746	1650
43 1971 Federal Report Surplus Deficit	1711	201	309	-157	615	1593	3999	4587	4247	3311	3759	4734	4775	3930
44 1972 Federal Report Surplus Deficit	3131	3287	1251	480	1102	1822	3861	4727	4826	4099	3410	4709	4651	3975
45 1973 Federal Report Surplus Deficit	3097	3275	1424	383	1158	1432	2238	1496	1089	-1080	744	3221	1611	1372
46 1974 Federal Report Surplus Deficit	1289	-161	6.10	-196	716	2326	4238	4557	4780	3720	4112	4690	4744	4232
47 1975 Federal Report Surplus Deficit	3060	3326	1402	-316	669	867	2639	2806	3285	386	1689	4546	4875	4016
48 1976 Federal Report Surplus Deficit	2548	1926	1501	1189	2732	3600	3790	4279	3998	3610	3660	4774	4421	3888
49 1977 Federal Report Surplus Deficit	3309	3472	3567	448	717	90.5	711	508	199	-1120	163	1554	-23.4	978
50 1978 Federal Report Surplus Deficit	1236	-363	-506	-601	677	1285	2209	2615	2616	3280	2714	4326	3539	3410
51 1979 Federal Report Surplus Deficit	2096	813	1692	544	1114	400	641	1997	2629	326	2130	4416	3366	105
52 1980 Federal Report Surplus Deficit	1006	-294	560	-12.5	724	-60.2	1497	242	992	1214	3129	4749	4358	2222
53 1981 Federal Report Surplus Deficit	771	-170	584	-56.6	1060	2658	3505	3670	2432	-830	1835	4214	4696	3682
54 1982 Federal Report Surplus Deficit	3132	3089	1136	81.0	1435	1414	3116	4757	4711	3274	3260	4625	4843	4172

Federal Report Surplus Deficit By Water Year

Operating Year 2022

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Federal Report Surplus Deficit	3133	3269	2091	1073	1490	1969	3466	4120	4353	2486	2693	4418	4382	3858
56 1984 Federal Report Surplus Deficit	2899	2672	1399	241	2964	2272	3105	3723	3594	3620	3916	4551	4881	3677
57 1985 Federal Report Surplus Deficit	2861	1209	1401	309	1387	1475	1789	1774	1940	2050	3273	4353	3222	1471
58 1986 Federal Report Surplus Deficit	187	-648	269	693	1816	1693	2622	3819	4605	3566	3919	4038	4201	2550
59 1987 Federal Report Surplus Deficit	1834	-127	174	-239	1209	1600	1008	997	2230	-475	1624	3929	3299	1234
60 1988 Federal Report Surplus Deficit	805	-621	-5.79	-271	559	-72.8	-376	-901	1146	-529	1430	3130	1976	2307
61 1989 Federal Report Surplus Deficit	1513	-9.30	375	-244	878	1073	63.7	-801	2427	1561	4103	4109	3409	1770
62 1990 Federal Report Surplus Deficit	879	-219	316	-32.2	1098	1903	2238	3526	3415	1299	3886	3895	4380	3169
63 1991 Federal Report Surplus Deficit	2848	2047	510	-276	2774	2528	3454	3487	3393	2264	2382	4236	4207	3790
64 1992 Federal Report Surplus Deficit	3136	2267	571	-243	652	-56.5	676	1516	2196	-1073	735	3125	1550	1156
65 1993 Federal Report Surplus Deficit	1242	-293	-543	-283	841	359	-715	-1017	1727	467	2045	4335	4007	2052
66 1994 Federal Report Surplus Deficit	1552	388	694	-75.4	963	576	-190	-77.4	1406	-682	1419	3198	3035	1750
67 1995 Federal Report Surplus Deficit	1315	-277	220	-203	465	638	1332	2183	2428	2199	1996	4198	4478	2976
68 1996 Federal Report Surplus Deficit	1417	418	1145	1023	3391	3735	4201	4764	4937	3388	4231	4703	4413	3837
69 1997 Federal Report Surplus Deficit	3043	2265	1045	47.5	1267	2354	4265	4591	4868	3512	4189	4659	4732	3905
70 1998 Federal Report Surplus Deficit	3070	3293	2053	2649	2414	1477	1614	2809	2223	1046	2653	4683	4727	3123
71 1999 Federal Report Surplus Deficit	2917	1191	609	-142	542	2205	3814	4460	4342	2195	3582	4380	4780	4052
72 2000 Federal Report Surplus Deficit	3345	3389	1461	67.3	3108	2740	2604	2787	3201	3172	4042	4496	3070	3004
73 2001 Federal Report Surplus Deficit	2602	-239	68.1	-26.0	618	253	388	276	639	-1015	327	2512	136	926
74 2002 Federal Report Surplus Deficit	1248	-137	-428	-689	669	728	95.3	273	1628	1114	3552	3974	4574	3747
75 2003 Federal Report Surplus Deficit	1831	1098	534	-6.95	858	369	-111	11.2	2882	1121	2377	3904	4505	1540
76 2004 Federal Report Surplus Deficit	773	-427	-183	-179	1411	1528	701	-278	1723	600	1881	3820	3423	2222
77 2005 Federal Report Surplus Deficit	529	147	976	433	1122	1743	1612	2433	1347	-472	1454	3956	3622	2025
78 2006 Federal Report Surplus Deficit	1755	143	398	-301	1278	1399	3105	3273	3121	3451	4124	4656	4537	2913
79 2007 Federal Report Surplus Deficit	1341	-156	-10.5	-428	1294	1460	2606	2124	3670	2686	2216	4288	3647	3206
80 2008 Federal Report Surplus Deficit	1315	-388	-224	-136	1247	584	878	778	1909	749	38.1	4487	4920	3437
Ranked Averages														
81 Bottom 10 pct	587	-380	228	20.4	904	1174	1936	2085	2464	864	2426	3921	3562	2770
82 Middle 80 pct	2065	893	663	142	1232	1452	1967	2244	2712	1648	2578	4156	3931	2738
83 Top 10 pct	3196	3150	1998	680	1720	1560	2235	2804	2862	1877	2442	3842	3470	3067

Federal Report Surplus Deficit By Water Year

Operating Year 2023

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	1841	1645	543	-174	646	21.4	150	206	587	-788	1112	2441	2244	-654
2 1930 Federal Report Surplus Deficit	1253	81.0	489	41.6	743	71.0	-596	344	612	151	1427	1990	179	1619
3 1931 Federal Report Surplus Deficit	1513	113	87.8	-73.0	871	201	-1043	-738	1441	33.2	-1328	2922	-471	2029
4 1932 Federal Report Surplus Deficit	1753	234	351	-468	308	130	-659	-1464	2338	3144	3880	4760	3692	2978
5 1933 Federal Report Surplus Deficit	1992	1397	980	-79.8	520	1834	2753	3038	3034	1229	2140	4088	4176	3996
6 1934 Federal Report Surplus Deficit	2939	2853	988	697	3201	3627	4075	4291	4205	3739	3895	4309	2840	2095
7 1935 Federal Report Surplus Deficit	518	-234	-259	-135	252	486	2688	2608	3031	-205	2353	3771	2674	3286
8 1936 Federal Report Surplus Deficit	2769	410	341	-166	583	61.1	-865	151	1033	279	3502	4733	3509	2060
9 1937 Federal Report Surplus Deficit	1037	-52.8	157	-34.8	838	115	-812	-532	517	-430	-811	3171	1489	704
10 1938 Federal Report Surplus Deficit	1196	-193	398	-114	629	672	2361	2570	3337	2772	4211	4633	3318	3100
11 1939 Federal Report Surplus Deficit	487	-260	722	-55.2	462	-71.1	1393	1062	1690	1439	3145	3981	1327	1925
12 1940 Federal Report Surplus Deficit	896	-317	68.1	8.83	1077	1382	624	1072	3457	1550	2539	3853	1900	1432
13 1941 Federal Report Surplus Deficit	793	-520	118	-299	842	732	-64.3	141	882	-939	670	3160	1541	1675
14 1942 Federal Report Surplus Deficit	1464	117	552	-478	1257	2228	2019	1702	1507	210	2294	3573	2818	3568
15 1943 Federal Report Surplus Deficit	2032	1386	1064	31.9	269	896	2911	3018	3397	4053	4254	4333	4140	3863
16 1944 Federal Report Surplus Deficit	2171	957	505	-162	666	-36.9	454	306	346	-902	805	1612	-916	482
17 1945 Federal Report Surplus Deficit	1098	-86.7	34.5	-218	726	101	-678	-214	719	-656	-1057	4186	3355	224
18 1946 Federal Report Surplus Deficit	810	30.0	403	-209	704	1190	1947	2279	3039	3093	4219	4681	3280	3467
19 1947 Federal Report Surplus Deficit	2681	2459	992	-275	1214	3145	3693	3659	3663	2235	2875	4649	3303	3409
20 1948 Federal Report Surplus Deficit	1941	584	902	2405	2457	2287	3462	3033	3203	1766	3663	4872	4026	3708
21 1949 Federal Report Surplus Deficit	2983	3187	1385	188	962	1011	1801	1397	3940	2258	3921	4802	3356	656
22 1950 Federal Report Surplus Deficit	409	-529	-368	-279	490	1332	3281	4244	3792	3392	3468	4418	4071	4182
23 1951 Federal Report Surplus Deficit	2957	3138	1239	918	2726	3229	4076	4623	4544	3675	3775	4661	3315	3793
24 1952 Federal Report Surplus Deficit	2777	921	916	1820	1809	2305	3111	3417	3500	3394	4343	4881	3475	3239
25 1953 Federal Report Surplus Deficit	2164	277	-49.1	-149	646	106	234	3985	2458	366	2020	4267	4224	3891
26 1954 Federal Report Surplus Deficit	1812	1592	973	120	1208	1706	2712	4160	3643	1923	2868	4657	3730	4102
27 1955 Federal Report Surplus Deficit	3174	3429	2758	245	1965	1721	833	1483	265	34.3	1656	3964	4124	4138
28 1956 Federal Report Surplus Deficit	2916	2320	719	462	2364	3169	3933	4598	4322	3193	4193	4846	4014	3830
29 1957 Federal Report Surplus Deficit	2695	2777	997	366	919	1900	2129	944	3433	3043	2727	4860	4038	2767
30 1958 Federal Report Surplus Deficit	1815	557	508	-82.3	785	838	2400	2807	2985	1360	3240	4813	3790	2459
31 1959 Federal Report Surplus Deficit	1932	363	466	115	1819	2899	3770	4019	3797	2706	2749	4240	3836	3945
32 1960 Federal Report Surplus Deficit	3068	3098	3013	3278	3246	2707	2575	2526	3188	4184	3607	3789	3580	3288
33 1961 Federal Report Surplus Deficit	2555	233	585	88.2	1085	1256	2375	3147	3984	1995	2340	4618	3811	2449
34 1962 Federal Report Surplus Deficit	1727	648	333	-301	810	1179	2217	2471	1262	3369	4210	4437	3228	2727
35 1963 Federal Report Surplus Deficit	2199	1079	447	691	1953	2668	2902	2869	2246	289	1948	4138	3099	3154
36 1964 Federal Report Surplus Deficit	2095	617	1175	-192	788	1216	1172	1072	1578	2338	1809	4329	4126	4023
37 1965 Federal Report Surplus Deficit	2948	2750	1661	908	1647	3251	4207	4638	4249	1662	4080	4704	3327	3296
38 1966 Federal Report Surplus Deficit	2842	2553	429	367	1067	1471	1878	2040	1794	3424	2476	3257	2957	3296
39 1967 Federal Report Surplus Deficit	2573	483	584	-259	608	1919	3551	3823	3511	1273	-99.0	4095	3856	3868
40 1968 Federal Report Surplus Deficit	2627	2019	1039	148	1411	1474	2542	3491	3370	25.3	1261	3094	3422	3493
41 1969 Federal Report Surplus Deficit	2735	1870	1957	969	2470	2315	3939	4231	3601	3323	4070	4863	3659	3357
42 1970 Federal Report Surplus Deficit	1720	514	776	312	1047	688	2401	2594	2261	678	1743	4246	3926	1650
43 1971 Federal Report Surplus Deficit	1650	295	278	-162	598	1555	3985	4447	4273	3341	3792	4819	4063	3941
44 1972 Federal Report Surplus Deficit	3061	3377	1223	476	1089	1783	3847	4636	4864	4125	3446	4790	3894	3988
45 1973 Federal Report Surplus Deficit	3026	3346	1398	379	1145	1395	2215	1492	1102	-1050	766	3151	617	1372
46 1974 Federal Report Surplus Deficit	1227	-65.2	-24.8	-200	700	2288	4212	4417	4793	3729	4127	4741	3977	4230
47 1975 Federal Report Surplus Deficit	2989	3371	1374	-321	653	833	2618	2800	3302	402	1711	4575	4088	4041
48 1976 Federal Report Surplus Deficit	2485	2018	1457	1183	2708	3574	3776	4263	4022	3621	3680	4862	3636	3897
49 1977 Federal Report Surplus Deficit	3243	3480	3490	444	703	61.1	688	503	221	-1094	186	1418	-1226	979
50 1978 Federal Report Surplus Deficit	1174	-264	-537	-606	661	1248	2186	2610	2629	3296	2739	4371	2717	3420
51 1979 Federal Report Surplus Deficit	2036	903	1619	539	1101	370	620	1993	2642	343	2152	4415	2526	111
52 1980 Federal Report Surplus Deficit	941	-195	530	-16.7	709	-82.2	1473	234	1005	1226	3153	4850	3587	2222
53 1981 Federal Report Surplus Deficit	704	-74.1	554	-60.9	1047	2622	3491	3659	2444	-802	1857	4206	3920	3695
54 1982 Federal Report Surplus Deficit	3062	3181	1108	76.8	1422	1376	3098	4629	4747	3302	3296	4700	4045	4182

Federal Report Surplus Deficit By Water Year

Operating Year 2023

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Federal Report Surplus Deficit	3063	3360	2021	1068	1477	1930	3451	4108	4377	2501	2719	4433	3597	3876
56 1984 Federal Report Surplus Deficit	2831	2766	1368	237	2939	2233	3087	3713	3614	3639	3940	4566	4068	3689
57 1985 Federal Report Surplus Deficit	2795	1299	1373	304	1374	1436	1764	1770	1951	2060	3296	4344	2369	1471
58 1986 Federal Report Surplus Deficit	105	-549	238	688	1800	1654	2601	3809	4629	3582	3947	4028	3401	2551
59 1987 Federal Report Surplus Deficit	1774	-29.1	143	-243	1196	1562	985	992	2241	-450	1646	3899	2465	1235
60 1988 Federal Report Surplus Deficit	738	-518	-36.8	-275	544	-94.8	-383	-919	1158	-503	1452	3052	997	2307
61 1989 Federal Report Surplus Deficit	1452	86.3	344	-248	864	1036	49.5	-818	2439	1572	4120	4087	2571	1769
62 1990 Federal Report Surplus Deficit	813	-121	285	-36.4	1085	1864	2215	3516	3435	1313	3908	3865	3575	3174
63 1991 Federal Report Surplus Deficit	2783	2139	480	-280	2749	2492	3439	3477	3414	2274	2405	4229	3414	3797
64 1992 Federal Report Surplus Deficit	3065	2359	540	-248	636	-79.8	654	1512	2207	-1047	757	3049	554	1157
65 1993 Federal Report Surplus Deficit	1179	-196	-574	-287	827	329	-716	-1036	1739	483	2067	4330	3194	2052
66 1994 Federal Report Surplus Deficit	1491	481	663	-79.6	950	543	-201	-87.1	1418	-654	1441	3131	2183	1750
67 1995 Federal Report Surplus Deficit	1252	-179	190	-207	447	605	1308	2023	2557	2210	2018	4188	3676	2980
68 1996 Federal Report Surplus Deficit	1354	511	1116	1017	3368	3707	4180	4631	4976	3421	4258	4787	3621	3849
69 1997 Federal Report Surplus Deficit	2974	2357	1016	43.3	1254	2317	4243	4450	4895	3552	4206	4742	3931	3918
70 1998 Federal Report Surplus Deficit	3001	3383	1983	2640	2393	1439	1590	2803	2234	1059	2676	4769	4004	3128
71 1999 Federal Report Surplus Deficit	2851	1282	579	-146	523	2167	3834	4407	4366	2210	3607	4374	3983	4060
72 2000 Federal Report Surplus Deficit	3277	3479	1413	63.1	3083	2705	2583	2781	3218	3181	4058	4517	2201	3009
73 2001 Federal Report Surplus Deficit	2539	-140	37.1	-30.3	602	224	367	269	653	-984	351	2399	-1067	928
74 2002 Federal Report Surplus Deficit	1185	-40.2	-459	-694	654	694	80.6	266	1639	1128	3576	3952	3787	3760
75 2003 Federal Report Surplus Deficit	1770	1189	503	-11.2	844	339	-123	1.95	2896	1134	2400	3884	3719	1540
76 2004 Federal Report Surplus Deficit	704	-325	-214	-183	1397	1489	680	-290	1734	615	1903	3783	2593	2223
77 2005 Federal Report Surplus Deficit	458	241	948	428	1110	1704	1588	2428	1358	-449	1476	3946	2797	2024
78 2006 Federal Report Surplus Deficit	1694	238	367	-305	1265	1361	3088	3265	3139	3466	4143	4717	3751	2916
79 2007 Federal Report Surplus Deficit	1278	-57.3	-41.4	-432	1281	1422	2586	2120	3691	2698	2239	4290	2823	3212
80 2008 Federal Report Surplus Deficit	1252	-287	-255	-140	1234	552	856	772	1920	763	62.7	4522	4167	3446

Ranked Averages

81 Bottom 10 pct	515	-281	198	16.0	888	1140	1917	2075	2479	884	2450	3898	2723	2774
82 Middle 80 pct	2001	986	630	138	1216	1418	1950	2218	2731	1666	2601	4166	3110	2745
83 Top 10 pct	3127	3220	1946	675	1702	1525	2216	2772	2886	1898	2466	3832	2596	3077

Federal Report Surplus Deficit By Water Year

Operating Year 2024

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	1840	1645	546	-235	605	-49.5	120	268	513	-803	1030	2539	3032	-673
2 1930 Federal Report Surplus Deficit	1251	80.4	492	-19.0	700	-0.92	-637	407	538	146	1345	2113	1140	1610
3 1931 Federal Report Surplus Deficit	1512	112	90.6	-134	828	133	-1095	-668	1371	28.1	-1419	2991	561	2019
4 1932 Federal Report Surplus Deficit	1753	233	354	-528	269	60.7	-704	-1390	2268	3148	3801	4686	4389	2964
5 1933 Federal Report Surplus Deficit	1992	1396	982	-140	482	1775	2726	3225	2864	1231	2057	4088	4808	3973
6 1934 Federal Report Surplus Deficit	2938	2854	990	637	3169	3555	4047	4460	4124	3729	3807	4276	3578	2085
7 1935 Federal Report Surplus Deficit	511	-235	-255	-195	221	419	2661	2668	2955	-212	2269	3790	3427	3269
8 1936 Federal Report Surplus Deficit	2769	409	344	-226	542	-9.31	-916	213	961	276	3417	4669	4225	2050
9 1937 Federal Report Surplus Deficit	1033	-53.3	161	-95.3	795	46.3	-856	-464	443	-442	-900	3229	2346	692
10 1938 Federal Report Surplus Deficit	1193	-194	401	-174	589	607	2336	2630	3261	2767	4129	4595	4054	3085
11 1939 Federal Report Surplus Deficit	479	-260	724	-116	424	-146	1370	1121	1620	1441	3061	3986	2171	1916
12 1940 Federal Report Surplus Deficit	892	-317	71.3	-51.8	1033	1323	600	1131	3379	1552	2455	3869	2702	1423
13 1941 Federal Report Surplus Deficit	788	-520	121	-360	799	669	-98.4	204	810	-955	587	3205	2365	1665
14 1942 Federal Report Surplus Deficit	1462	117	554	-538	1214	2169	1996	1760	1436	205	2211	3594	3557	3545
15 1943 Federal Report Surplus Deficit	2032	1385	1066	-28.7	237	834	2883	3079	3319	4026	4177	4294	4804	3841
16 1944 Federal Report Surplus Deficit	2172	956	508	-223	625	-109	428	367	270	-918	722	1756	167	469
17 1945 Federal Report Surplus Deficit	1095	-87.3	37.5	-279	684	32.9	-725	-147	646	-671	-1149	4181	4075	209
18 1946 Federal Report Surplus Deficit	804	29.5	406	-270	663	1129	1925	2338	2965	3081	4136	4623	4010	3447
19 1947 Federal Report Surplus Deficit	2681	2459	994	-335	1171	3077	3660	3724	3582	2237	2790	4588	4029	3390
20 1948 Federal Report Surplus Deficit	1941	583	904	2349	2423	2226	3429	3095	3126	1769	3580	4767	4692	3685
21 1949 Federal Report Surplus Deficit	2983	3188	1387	128	919	949	1778	1455	3857	2259	3838	4729	4075	644
22 1950 Federal Report Surplus Deficit	401	-526	-364	-340	453	1273	3250	4313	3711	3390	3382	4393	4742	4162
23 1951 Federal Report Surplus Deficit	2956	3139	1241	858	2693	3161	4030	4744	4569	3673	3692	4571	4046	3771
24 1952 Federal Report Surplus Deficit	2777	920	918	1763	1769	2245	3080	3480	3422	3400	4268	4763	4194	3222
25 1953 Federal Report Surplus Deficit	2165	277	-44.8	-210	605	35.6	203	4051	2387	363	1937	4252	4851	3869
26 1954 Federal Report Surplus Deficit	1811	1591	975	59.5	1165	1647	2685	4228	3563	1925	2783	4597	4448	4079
27 1955 Federal Report Surplus Deficit	3175	3505	2759	184	1926	1662	808	1541	184	29.2	1573	3969	4826	4104
28 1956 Federal Report Surplus Deficit	2915	2320	721	402	2329	3101	3901	4673	4237	3171	4101	4744	4704	3810
29 1957 Federal Report Surplus Deficit	2695	2778	999	305	876	1841	2105	1003	3356	3044	2643	4717	4725	2755
30 1958 Federal Report Surplus Deficit	1815	556	510	-143	743	775	2375	2867	2909	1362	3156	4729	4510	2448
31 1959 Federal Report Surplus Deficit	1932	362	468	54.4	1779	2834	3737	4088	3715	2707	2664	4213	4531	3921
32 1960 Federal Report Surplus Deficit	3067	3099	3013	3221	3214	2643	2548	2585	3112	4178	3536	3809	4299	3269
33 1961 Federal Report Surplus Deficit	2555	233	587	27.6	1042	1196	2350	3208	3901	1999	2258	4552	4526	2438
34 1962 Federal Report Surplus Deficit	1726	647	336	-361	768	1119	2193	2531	1191	3366	4131	4404	3959	2714
35 1963 Federal Report Surplus Deficit	2199	1078	450	631	1914	2606	2872	2929	2176	285	1865	4139	3834	3137
36 1964 Federal Report Surplus Deficit	2095	616	1176	-253	746	1156	1149	1131	1508	2340	1727	4307	4758	4003
37 1965 Federal Report Surplus Deficit	2947	2750	1662	849	1605	3183	4183	4814	4165	1664	4003	4628	4050	3278
38 1966 Federal Report Surplus Deficit	2842	2554	431	306	1024	1412	1855	2098	1724	3422	2392	3307	3695	3278
39 1967 Federal Report Surplus Deficit	2573	482	586	-319	568	1860	3518	3890	3431	1275	-184	4079	4499	3842
40 1968 Federal Report Surplus Deficit	2628	2019	1041	87.6	1368	1415	2517	3555	3291	20.7	1179	3157	4138	3472
41 1969 Federal Report Surplus Deficit	2735	1870	1958	910	2435	2255	3907	4301	3520	3313	3985	4769	4365	3339
42 1970 Federal Report Surplus Deficit	1720	514	778	251	1004	623	2376	2654	2190	677	1660	4229	4667	1640
43 1971 Federal Report Surplus Deficit	1649	294	282	-222	559	1495	3953	4642	4188	3325	3699	4719	4697	3921
44 1972 Federal Report Surplus Deficit	3060	3378	1225	415	1045	1724	3814	4782	4767	4113	3350	4694	4572	3966
45 1973 Federal Report Surplus Deficit	3026	3363	1399	319	1102	1335	2191	1550	1030	-1067	683	3206	1533	1363
46 1974 Federal Report Surplus Deficit	1224	-65.8	-21.6	-261	660	2228	4191	4612	4721	3734	4052	4675	4665	4223
47 1975 Federal Report Surplus Deficit	2988	3414	1376	-381	613	769	2592	2860	3226	400	1629	4531	4796	4007
48 1976 Federal Report Surplus Deficit	2485	2018	1458	1125	2676	3502	3743	4333	3939	3624	3600	4759	4342	3878
49 1977 Federal Report Surplus Deficit	3243	3555	3490	384	661	-7.30	664	563	140	-1107	102	1539	-102	968
50 1978 Federal Report Surplus Deficit	1171	-265	-532	-666	621	1188	2162	2670	2557	3294	2653	4312	3461	3400
51 1979 Federal Report Surplus Deficit	2036	902	1620	479	1058	302	594	2052	2570	339	2070	4401	3288	95.3
52 1980 Federal Report Surplus Deficit	936	-196	532	-77.3	667	-158	1450	296	933	1228	3069	4734	4280	2212
53 1981 Federal Report Surplus Deficit	699	-74.7	556	-121	1004	2560	3458	3725	2373	-816	1774	4199	4617	3673
54 1982 Federal Report Surplus Deficit	3061	3182	1110	16.2	1379	1316	3069	4812	4652	3288	3199	4610	4765	4162

Federal Report Surplus Deficit By Water Year

Operating Year 2024

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Federal Report Surplus Deficit	3062	3361	2023	1009	1434	1871	3419	4175	4294	2499	2632	4403	4303	3848
56 1984 Federal Report Surplus Deficit	2830	2766	1370	177	2907	2174	3058	3777	3535	3634	3856	4537	4803	3667
57 1985 Federal Report Surplus Deficit	2795	1298	1374	244	1331	1377	1742	1828	1881	2064	3212	4338	3143	1461
58 1986 Federal Report Surplus Deficit	96.9	-545	242	628	1759	1595	2575	3873	4546	3580	3859	4023	4123	2540
59 1987 Federal Report Surplus Deficit	1773	-29.6	146	-303	1153	1503	961	1051	2171	-461	1564	3914	3220	1225
60 1988 Federal Report Surplus Deficit	733	-518	-32.8	-335	503	-171	-423	-846	1087	-515	1369	3115	1897	2297
61 1989 Federal Report Surplus Deficit	1450	85.7	347	-309	821	975	16.8	-746	2368	1575	4042	4094	3330	1760
62 1990 Federal Report Surplus Deficit	808	-122	288	-97.0	1042	1805	2191	3581	3356	1313	3825	3880	4301	3159
63 1991 Federal Report Surplus Deficit	2783	2139	482	-341	2717	2431	3407	3541	3334	2278	2322	4221	4128	3780
64 1992 Federal Report Surplus Deficit	3064	2359	543	-308	596	-154	629	1571	2137	-1060	674	3110	1471	1147
65 1993 Federal Report Surplus Deficit	1176	-196	-569	-348	785	261	-762	-963	1668	481	1985	4321	3928	2043
66 1994 Federal Report Surplus Deficit	1489	480	666	-140	907	478	-237	-22.8	1347	-668	1359	3183	2956	1740
67 1995 Federal Report Surplus Deficit	1249	-180	192	-268	409	540	1285	2238	2369	2213	1936	4183	4399	2966
68 1996 Federal Report Surplus Deficit	1352	510	1118	958	3335	3637	4154	4819	4878	3402	4170	4688	4334	3827
69 1997 Federal Report Surplus Deficit	2973	2357	1018	-17.3	1211	2257	4218	4645	4809	3525	4128	4644	4654	3895
70 1998 Federal Report Surplus Deficit	3000	3384	1984	2584	2357	1379	1567	2864	2164	1060	2592	4668	4649	3113
71 1999 Federal Report Surplus Deficit	2851	1281	582	-207	485	2108	3767	4515	4283	2209	3521	4366	4701	4042
72 2000 Federal Report Surplus Deficit	3277	3480	1415	2.54	3052	2642	2557	2842	3142	3186	3981	4481	2992	2995
73 2001 Federal Report Surplus Deficit	2540	-141	41.1	-90.8	561	155	341	331	580	-1001	267	2497	57.0	917
74 2002 Federal Report Surplus Deficit	1182	-40.7	-454	-754	613	630	48.4	328	1569	1128	3492	3960	4495	3737
75 2003 Federal Report Surplus Deficit	1769	1188	506	-71.8	801	271	-158	65.8	2823	1135	2316	3889	4426	1530
76 2004 Federal Report Surplus Deficit	697	-325	-210	-244	1354	1430	654	-223	1664	613	1821	3805	3344	2213
77 2005 Federal Report Surplus Deficit	451	240	950	368	1066	1645	1565	2488	1288	-458	1393	3941	3544	2015
78 2006 Federal Report Surplus Deficit	1693	238	371	-365	1222	1302	3058	3327	3062	3465	4064	4642	4459	2903
79 2007 Federal Report Surplus Deficit	1275	-57.6	-37.1	-492	1238	1362	2559	2179	3611	2700	2156	4273	3569	3196
80 2008 Federal Report Surplus Deficit	1249	-287	-251	-201	1191	486	832	832	1850	763	-22.3	4472	4842	3427

Ranked Averages

81 Bottom 10 pct	508	-280	201	-44.5	848	1076	1889	2140	2405	878	2366	3906	3483	2761
82 Middle 80 pct	2000	986	633	77.6	1175	1354	1920	2299	2653	1662	2517	4141	3853	2729
83 Top 10 pct	3126	3240	1947	615	1663	1462	2189	2859	2803	1891	2381	3827	3391	3057

Federal Report Surplus Deficit By Water Year

Operating Year 2025

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	1860	1564	460	-195	640	26.3	162	175	558	-731	1076	2455	2205	-601
2 1930 Federal Report Surplus Deficit	1273	-0.46	405	21.5	737	76.0	-584	313	583	208	1391	2004	139	1673
3 1931 Federal Report Surplus Deficit	1533	31.1	4.17	-93.1	865	206	-1031	-769	1412	90.2	-1364	2936	-510	2082
4 1932 Federal Report Surplus Deficit	1773	152	268	-488	302	135	-647	-1494	2310	3201	3844	4774	3653	3032
5 1933 Federal Report Surplus Deficit	2012	1315	897	-99.9	515	1839	2766	3007	3005	1286	2104	4103	4137	4050
6 1934 Federal Report Surplus Deficit	2959	2772	905	677	3196	3632	4087	4260	4176	3796	3859	4323	2800	2148
7 1935 Federal Report Surplus Deficit	538	-316	-343	-155	247	491	2700	2577	3002	-148	2316	3785	2635	3340
8 1936 Federal Report Surplus Deficit	2789	329	257	-186	577	66.1	-852	120	1004	336	3465	4747	3470	2113
9 1937 Federal Report Surplus Deficit	1057	-134	73.5	-54.9	833	120	-800	-563	489	-373	-847	3185	1450	757
10 1938 Federal Report Surplus Deficit	1216	-275	314	-134	624	677	2373	2539	3308	2829	4175	4647	3279	3154
11 1939 Federal Report Surplus Deficit	507	-342	639	-75.3	457	-66.2	1405	1031	1662	1496	3109	3995	1288	1979
12 1940 Federal Report Surplus Deficit	916	-398	-15.5	-11.3	1071	1387	637	1041	3429	1607	2503	3867	1861	1486
13 1941 Federal Report Surplus Deficit	813	-602	34.7	-319	836	737	-52.2	110	854	-882	634	3174	1502	1728
14 1942 Federal Report Surplus Deficit	1483	35.9	469	-498	1251	2233	2031	1671	1478	267	2258	3587	2779	3621
15 1943 Federal Report Surplus Deficit	2051	1304	981	11.7	263	901	2923	2987	3368	4110	4218	4347	4101	3917
16 1944 Federal Report Surplus Deficit	2191	876	421	-182	660	-32.0	466	275	317	-845	768	1626	-955	536
17 1945 Federal Report Surplus Deficit	1117	-168	-49.1	-238	721	106	-666	-245	691	-599	-1094	4201	3316	278
18 1946 Federal Report Surplus Deficit	829	-51.5	320	-229	698	1194	1960	2248	3010	3150	4183	4695	3241	3521
19 1947 Federal Report Surplus Deficit	2701	2377	909	-295	1209	3150	3705	3628	3635	2292	2839	4663	3263	3463
20 1948 Federal Report Surplus Deficit	1961	502	818	2385	2452	2292	3474	3003	3174	1823	3627	4886	3987	3762
21 1949 Federal Report Surplus Deficit	3003	3105	1301	168	956	1016	1813	1366	3911	2315	3885	4816	3317	709
22 1950 Federal Report Surplus Deficit	428	-611	-452	-300	485	1337	3293	4213	3763	3449	3432	4432	4032	4236
23 1951 Federal Report Surplus Deficit	2976	3056	1155	898	2720	3234	4088	4592	4515	3732	3739	4675	3276	3847
24 1952 Federal Report Surplus Deficit	2797	840	832	1800	1804	2310	3123	3386	3472	3451	4307	4895	3436	3293
25 1953 Federal Report Surplus Deficit	2184	196	-133	-170	640	110	246	3954	2429	422	1984	4281	4185	3945
26 1954 Federal Report Surplus Deficit	1832	1510	889	99.9	1203	1711	2724	4129	3615	1980	2832	4671	3691	4156
27 1955 Federal Report Surplus Deficit	3194	3348	2675	225	1959	1725	845	1452	236	91.3	1619	3978	4085	4191
28 1956 Federal Report Surplus Deficit	2936	2238	635	442	2359	3174	3945	4567	4294	3250	4156	4860	3974	3884
29 1957 Federal Report Surplus Deficit	2715	2696	913	346	914	1905	2142	913	3404	3100	2691	4874	3998	2821
30 1958 Federal Report Surplus Deficit	1835	476	424	-102	779	843	2412	2776	2956	1417	3204	4827	3751	2513
31 1959 Federal Report Surplus Deficit	1952	282	382	94.8	1814	2904	3782	3989	3769	2763	2713	4254	3796	3999
32 1960 Federal Report Surplus Deficit	3088	3016	2929	3258	3240	2712	2587	2495	3159	4241	3570	3803	3541	3342
33 1961 Federal Report Surplus Deficit	2575	152	501	68.0	1079	1261	2387	3116	3956	2052	2303	4632	3771	2503
34 1962 Federal Report Surplus Deficit	1747	567	249	-321	804	1184	2229	2441	1233	3426	4174	4451	3188	2780
35 1963 Federal Report Surplus Deficit	2218	997	363	671	1948	2673	2914	2838	2218	346	1911	4152	3060	3208
36 1964 Federal Report Surplus Deficit	2115	536	1091	-212	783	1221	1184	1041	1549	2395	1773	4343	4087	4077
37 1965 Federal Report Surplus Deficit	2968	2668	1577	888	1641	3256	4219	4607	4220	1719	4044	4718	3288	3350
38 1966 Federal Report Surplus Deficit	2862	2472	345	347	1062	1476	1890	2009	1765	3481	2440	3271	2918	3350
39 1967 Federal Report Surplus Deficit	2593	401	500	-279	602	1924	3563	3792	3483	1330	-135	4109	3817	3921
40 1968 Federal Report Surplus Deficit	2647	1938	955	128	1406	1479	2554	3461	3342	82.2	1225	3108	3383	3547
41 1969 Federal Report Surplus Deficit	2755	1789	1873	948	2465	2320	3951	4200	3573	3380	4033	4877	3620	3411
42 1970 Federal Report Surplus Deficit	1740	433	692	292	1042	693	2413	2563	2232	735	1706	4260	3887	1703
43 1971 Federal Report Surplus Deficit	1670	214	195	-182	593	1560	3997	4416	4245	3398	3756	4833	4024	3995
44 1972 Federal Report Surplus Deficit	3081	3296	1140	456	1083	1788	3859	4605	4836	4182	3409	4804	3855	4041
45 1973 Federal Report Surplus Deficit	3046	3265	1314	359	1140	1399	2227	1461	1073	-993	730	3165	578	1426
46 1974 Federal Report Surplus Deficit	1246	-147	-108	-220	695	2293	4224	4386	4765	3786	4091	4755	3938	4284
47 1975 Federal Report Surplus Deficit	3009	3289	1291	-341	648	838	2630	2769	3273	459	1675	4589	4049	4095
48 1976 Federal Report Surplus Deficit	2505	1936	1373	1163	2703	3579	3788	4233	3993	3678	3644	4876	3597	3951
49 1977 Federal Report Surplus Deficit	3262	3399	3407	424	697	66.1	700	472	192	-1037	150	1432	-1265	1033
50 1978 Federal Report Surplus Deficit	1194	-346	-621	-627	656	1253	2198	2579	2601	3353	2703	4385	2678	3473
51 1979 Federal Report Surplus Deficit	2056	822	1535	519	1096	375	632	1962	2613	400	2116	4429	2487	164
52 1980 Federal Report Surplus Deficit	961	-277	446	-36.8	704	-77.3	1485	203	977	1283	3117	4864	3548	2276
53 1981 Federal Report Surplus Deficit	724	-156	470	-81.0	1042	2627	3503	3628	2416	-745	1820	4220	3881	3749
54 1982 Federal Report Surplus Deficit	3081	3100	1024	56.7	1416	1381	3110	4598	4719	3359	3260	4714	4005	4235

Federal Report Surplus Deficit By Water Year

Operating Year 2025

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Federal Report Surplus Deficit	3083	3278	1938	1048	1471	1935	3463	4077	4348	2558	2683	4447	3557	3930
56 1984 Federal Report Surplus Deficit	2851	2684	1285	217	2933	2238	3100	3682	3585	3696	3903	4580	4029	3743
57 1985 Federal Report Surplus Deficit	2815	1218	1289	284	1369	1441	1776	1739	1923	2117	3260	4358	2330	1525
58 1986 Federal Report Surplus Deficit	125	-630	155	668	1794	1659	2613	3778	4600	3639	3911	4042	3361	2605
59 1987 Federal Report Surplus Deficit	1793	-111	59.2	-263	1191	1567	997	961	2213	-393	1610	3913	2426	1289
60 1988 Federal Report Surplus Deficit	758	-599	-120	-295	539	-89.8	-371	-950	1130	-446	1415	3067	958	2361
61 1989 Federal Report Surplus Deficit	1472	4.80	260	-268	858	1041	61.6	-848	2410	1629	4083	4102	2532	1823
62 1990 Federal Report Surplus Deficit	833	-203	201	-56.6	1080	1869	2227	3485	3406	1370	3872	3879	3536	3228
63 1991 Federal Report Surplus Deficit	2802	2058	396	-300	2744	2497	3451	3446	3385	2331	2368	4243	3375	3851
64 1992 Federal Report Surplus Deficit	3085	2278	457	-268	631	-74.9	666	1482	2179	-990	720	3063	515	1211
65 1993 Federal Report Surplus Deficit	1199	-277	-657	-307	822	334	-704	-1067	1710	540	2031	4345	3155	2105
66 1994 Federal Report Surplus Deficit	1511	400	580	-99.7	945	548	-188	-118	1389	-597	1405	3145	2144	1804
67 1995 Federal Report Surplus Deficit	1272	-261	106	-228	441	610	1320	1993	2528	2267	1982	4202	3637	3034
68 1996 Federal Report Surplus Deficit	1374	430	1033	997	3363	3712	4192	4600	4947	3478	4222	4801	3582	3903
69 1997 Federal Report Surplus Deficit	2994	2276	932	23.1	1248	2322	4255	4419	4867	3609	4170	4756	3892	3971
70 1998 Federal Report Surplus Deficit	3021	3301	1899	2620	2387	1444	1602	2772	2206	1115	2640	4783	3965	3182
71 1999 Federal Report Surplus Deficit	2871	1200	495	-166	517	2172	3846	4376	4337	2266	3571	4388	3944	4114
72 2000 Federal Report Surplus Deficit	3297	3397	1330	43.0	3078	2710	2595	2751	3190	3238	4022	4531	2162	3063
73 2001 Federal Report Surplus Deficit	2559	-222	-46.5	-50.4	596	229	379	238	625	-927	314	2413	-1106	982
74 2002 Federal Report Surplus Deficit	1205	-122	-543	-714	648	699	92.7	235	1610	1185	3540	3966	3748	3814
75 2003 Federal Report Surplus Deficit	1790	1107	420	-31.3	839	344	-111	-28.9	2867	1191	2364	3898	3680	1594
76 2004 Federal Report Surplus Deficit	723	-407	-298	-203	1391	1494	692	-321	1705	672	1867	3797	2554	2277
77 2005 Federal Report Surplus Deficit	478	159	864	408	1104	1709	1600	2397	1330	-392	1439	3960	2758	2078
78 2006 Federal Report Surplus Deficit	1714	157	284	-325	1259	1366	3100	3235	3110	3523	4107	4731	3712	2970
79 2007 Federal Report Surplus Deficit	1297	-139	-125	-453	1276	1427	2598	2089	3663	2755	2202	4304	2784	3266
80 2008 Federal Report Surplus Deficit	1271	-368	-339	-160	1229	557	868	742	1891	820	26.5	4536	4128	3499
Ranked Averages														
81 Bottom 10 pct	535	-363	114	-4.14	882	1145	1929	2044	2451	940	2414	3912	2683	2828
82 Middle 80 pct	2021	904	546	118	1210	1423	1962	2188	2702	1723	2564	4180	3071	2798
83 Top 10 pct	3146	3139	1862	655	1697	1530	2228	2741	2857	1955	2429	3847	2557	3131

Federal Report Surplus Deficit By Water Year

Operating Year 2026

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	1927	1592	528	-285	555	-9.40	114	103	476	-811	1014	2497	3000	-684
2 1930 Federal Report Surplus Deficit	1337	27.8	474	-68.9	651	39.2	-643	242	501	138	1329	2072	1108	1599
3 1931 Federal Report Surplus Deficit	1598	59.2	72.7	-183	778	174	-1101	-833	1334	20.1	-1435	2949	529	2008
4 1932 Federal Report Surplus Deficit	1839	180	336	-578	219	101	-710	-1555	2231	3140	3785	4644	4357	2953
5 1933 Federal Report Surplus Deficit	2078	1343	964	-190	432	1815	2720	3059	2827	1223	2041	4046	4776	3962
6 1934 Federal Report Surplus Deficit	3025	2801	972	587	3119	3595	4041	4295	4087	3721	3791	4234	3546	2074
7 1935 Federal Report Surplus Deficit	597	-287	-273	-245	171	459	2655	2503	2918	-220	2254	3748	3395	3258
8 1936 Federal Report Surplus Deficit	2856	357	326	-276	492	30.8	-923	48.0	924	268	3401	4628	4193	2039
9 1937 Federal Report Surplus Deficit	1120	-106	143	-145	745	86.4	-862	-629	406	-449	-916	3187	2314	681
10 1938 Federal Report Surplus Deficit	1280	-246	383	-224	539	647	2330	2464	3224	2759	4113	4553	4022	3074
11 1939 Federal Report Surplus Deficit	566	-313	707	-166	374	-105	1364	955	1583	1433	3045	3945	2139	1905
12 1940 Federal Report Surplus Deficit	979	-370	53.4	-102	983	1363	593	965	3343	1544	2440	3827	2670	1412
13 1941 Federal Report Surplus Deficit	874	-573	103	-410	749	709	-105	38.4	774	-963	571	3163	2333	1654
14 1942 Federal Report Surplus Deficit	1549	64.0	536	-588	1164	2209	1990	1594	1400	197	2195	3553	3525	3534
15 1943 Federal Report Surplus Deficit	2118	1332	1048	-78.6	187	874	2877	2913	3282	4018	4161	4252	4772	3829
16 1944 Federal Report Surplus Deficit	2258	904	490	-272	575	-69.1	422	202	233	-926	706	1714	135	458
17 1945 Federal Report Surplus Deficit	1181	-140	19.7	-329	634	73.0	-731	-312	609	-679	-1164	4140	4043	198
18 1946 Federal Report Surplus Deficit	891	-23.1	388	-320	613	1169	1918	2173	2928	3073	4120	4581	3978	3436
19 1947 Federal Report Surplus Deficit	2768	2406	976	-385	1121	3118	3654	3559	3546	2229	2774	4546	3997	3379
20 1948 Federal Report Surplus Deficit	2028	530	886	2299	2373	2267	3423	2930	3089	1761	3564	4725	4661	3674
21 1949 Federal Report Surplus Deficit	3069	3135	1369	77.9	869	989	1772	1290	3820	2251	3822	4688	4043	633
22 1950 Federal Report Surplus Deficit	487	-578	-382	-390	403	1313	3243	4147	3674	3382	3366	4351	4710	4151
23 1951 Federal Report Surplus Deficit	3042	3086	1223	808	2643	3201	4023	4579	4532	3665	3676	4529	4014	3760
24 1952 Federal Report Surplus Deficit	2864	868	900	1714	1719	2285	3074	3314	3385	3392	4252	4721	4162	3211
25 1953 Federal Report Surplus Deficit	2251	224	-62.7	-260	555	75.7	197	3886	2350	355	1921	4210	4819	3858
26 1954 Federal Report Surplus Deficit	1898	1539	957	9.58	1115	1687	2679	4063	3526	1917	2767	4555	4416	4068
27 1955 Federal Report Surplus Deficit	3261	3452	2741	134	1876	1702	802	1376	147	21.2	1558	3927	4794	4093
28 1956 Federal Report Surplus Deficit	3001	2267	703	352	2279	3141	3894	4508	4200	3163	4085	4702	4673	3799
29 1957 Federal Report Surplus Deficit	2782	2725	981	255	826	1881	2099	838	3319	3036	2627	4675	4694	2744
30 1958 Federal Report Surplus Deficit	1902	504	493	-193	693	815	2369	2702	2873	1354	3140	4687	4478	2437
31 1959 Federal Report Surplus Deficit	2019	310	450	4.49	1729	2874	3730	3922	3678	2699	2649	4171	4500	3910
32 1960 Federal Report Surplus Deficit	3154	3046	2995	3171	3164	2683	2542	2420	3075	4170	3520	3767	4268	3258
33 1961 Federal Report Surplus Deficit	2642	180	569	-22.3	992	1236	2344	3043	3864	1991	2242	4510	4495	2427
34 1962 Federal Report Surplus Deficit	1813	595	318	-411	718	1159	2186	2365	1154	3358	4115	4363	3927	2703
35 1963 Federal Report Surplus Deficit	2286	1025	432	581	1864	2646	2865	2764	2139	277	1849	4097	3802	3126
36 1964 Federal Report Surplus Deficit	2182	564	1159	-303	696	1196	1143	966	1471	2332	1711	4265	4726	3992
37 1965 Federal Report Surplus Deficit	3034	2698	1644	799	1555	3223	4176	4649	4128	1656	3987	4586	4018	3267
38 1966 Federal Report Surplus Deficit	2928	2501	413	256	974	1452	1849	1933	1687	3414	2376	3265	3663	3267
39 1967 Federal Report Surplus Deficit	2659	429	568	-369	518	1900	3512	3724	3394	1267	-200	4037	4468	3831
40 1968 Federal Report Surplus Deficit	2714	1966	1023	37.7	1318	1455	2510	3390	3254	12.7	1163	3116	4106	3461
41 1969 Federal Report Surplus Deficit	2822	1817	1940	860	2386	2295	3901	4136	3483	3305	3970	4727	4334	3328
42 1970 Federal Report Surplus Deficit	1806	461	760	201	954	663	2370	2488	2153	669	1645	4188	4635	1629
43 1971 Federal Report Surplus Deficit	1736	242	264	-272	509	1536	3946	4477	4152	3317	3683	4677	4665	3909
44 1972 Federal Report Surplus Deficit	3147	3326	1207	366	995	1764	3808	4617	4730	4105	3334	4652	4540	3955
45 1973 Federal Report Surplus Deficit	3112	3310	1381	269	1052	1375	2185	1385	993	-1075	668	3164	1501	1351
46 1974 Federal Report Surplus Deficit	1310	-118	-39.5	-310	610	2268	4184	4446	4685	3726	4036	4634	4634	4212
47 1975 Federal Report Surplus Deficit	3075	3361	1358	-431	563	810	2586	2695	3189	392	1613	4489	4765	3996
48 1976 Federal Report Surplus Deficit	2572	1965	1441	1075	2626	3542	3736	4168	3903	3616	3584	4717	4310	3867
49 1977 Federal Report Surplus Deficit	3330	3503	3472	334	611	32.8	658	398	103	-1114	86.6	1497	-134	957
50 1978 Federal Report Surplus Deficit	1258	-317	-550	-716	571	1228	2156	2504	2520	3286	2637	4270	3429	3389
51 1979 Federal Report Surplus Deficit	2122	850	1602	429	1008	342	587	1886	2533	331	2054	4359	3256	84.3
52 1980 Federal Report Surplus Deficit	1023	-248	514	-127	617	-118	1444	131	897	1220	3053	4692	4248	2201
53 1981 Federal Report Surplus Deficit	786	-127	538	-171	954	2600	3451	3559	2336	-824	1758	4157	4585	3662
54 1982 Federal Report Surplus Deficit	3147	3130	1092	-33.7	1329	1356	3062	4646	4615	3280	3184	4568	4733	4151

Federal Report Surplus Deficit By Water Year

Operating Year 2026

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Federal Report Surplus Deficit	3148	3308	2005	959	1384	1911	3413	4010	4257	2492	2617	4362	4272	3837
56 1984 Federal Report Surplus Deficit	2917	2714	1352	127	2857	2214	3052	3612	3498	3626	3840	4495	4771	3656
57 1985 Federal Report Surplus Deficit	2882	1246	1356	194	1281	1417	1735	1663	1844	2056	3197	4296	3111	1450
58 1986 Federal Report Surplus Deficit	184	-597	224	578	1709	1635	2569	3708	4509	3572	3843	3981	4091	2529
59 1987 Federal Report Surplus Deficit	1860	-82.3	128	-353	1103	1543	955	886	2134	-469	1548	3872	3189	1214
60 1988 Federal Report Surplus Deficit	819	-570	-50.7	-385	453	-130	-429	-1012	1050	-523	1354	3073	1866	2286
61 1989 Federal Report Surplus Deficit	1537	33.0	329	-358	771	1015	10.4	-911	2331	1567	4027	4052	3298	1749
62 1990 Federal Report Surplus Deficit	895	-174	270	-147	992	1845	2185	3415	3319	1305	3809	3838	4270	3148
63 1991 Federal Report Surplus Deficit	2869	2086	465	-390	2667	2471	3400	3376	3297	2270	2306	4179	4097	3769
64 1992 Federal Report Surplus Deficit	3151	2307	525	-358	546	-114	623	1405	2100	-1068	658	3068	1440	1136
65 1993 Federal Report Surplus Deficit	1263	-249	-587	-398	735	301	-768	-1128	1632	473	1969	4279	3896	2032
66 1994 Federal Report Surplus Deficit	1576	428	648	-190	857	518	-243	-188	1310	-676	1343	3141	2925	1729
67 1995 Federal Report Surplus Deficit	1336	-233	175	-318	359	580	1279	2072	2333	2205	1920	4142	4368	2955
68 1996 Federal Report Surplus Deficit	1439	458	1100	908	3285	3678	4148	4653	4841	3394	4155	4646	4303	3816
69 1997 Federal Report Surplus Deficit	3060	2305	1000	-67.2	1161	2297	4212	4480	4772	3517	4112	4602	4622	3884
70 1998 Federal Report Surplus Deficit	3087	3331	1966	2534	2307	1419	1561	2698	2127	1052	2577	4626	4617	3102
71 1999 Federal Report Surplus Deficit	2938	1228	564	-257	435	2148	3760	4350	4246	2201	3505	4324	4670	4031
72 2000 Federal Report Surplus Deficit	3364	3427	1397	-47.3	3002	2682	2551	2676	3106	3178	3966	4439	2960	2983
73 2001 Federal Report Surplus Deficit	2626	-193	23.2	-141	511	196	334	166	543	-1009	251	2456	25.3	906
74 2002 Federal Report Surplus Deficit	1269	-93.4	-472	-804	563	670	42.1	162	1532	1120	3476	3918	4463	3726
75 2003 Federal Report Surplus Deficit	1856	1135	488	-122	751	311	-165	-99.5	2786	1127	2301	3847	4394	1519
76 2004 Federal Report Surplus Deficit	784	-378	-228	-293	1304	1470	648	-389	1627	606	1805	3763	3312	2202
77 2005 Federal Report Surplus Deficit	538	187	932	318	1016	1685	1559	2322	1251	-466	1378	3899	3512	2004
78 2006 Federal Report Surplus Deficit	1780	185	353	-415	1172	1342	3051	3162	3025	3457	4048	4600	4427	2892
79 2007 Federal Report Surplus Deficit	1361	-110	-55.0	-542	1188	1402	2553	2013	3574	2692	2140	4231	3537	3185
80 2008 Federal Report Surplus Deficit	1335	-340	-268	-251	1141	526	825	667	1813	755	-38.0	4430	4810	3416
Ranked Averages														
81 Bottom 10 pct	595	-333	183	-94.3	798	1116	1883	1974	2369	870	2350	3865	3451	2750
82 Middle 80 pct	2086	934	615	27.8	1125	1394	1913	2134	2616	1654	2502	4100	3821	2718
83 Top 10 pct	3213	3187	1929	565	1613	1502	2182	2693	2767	1883	2365	3785	3359	3046

Federal Report Surplus Deficit By Water Year

Operating Year 2027

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	1840	1502	451	-254	616	-8.98	99.3	125	544	-764	1069	2387	2163	-659
2 1930 Federal Report Surplus Deficit	1253	-62.8	396	-38.3	713	40.7	-647	263	570	175	1384	1936	97.7	1614
3 1931 Federal Report Surplus Deficit	1513	-31.2	-4.71	-153	841	171	-1094	-819	1399	56.7	-1371	2868	-552	2024
4 1932 Federal Report Surplus Deficit	1753	89.8	259	-548	278	99.7	-710	-1545	2296	3167	3837	4706	3611	2973
5 1933 Federal Report Surplus Deficit	1991	1253	888	-160	490	1803	2703	2957	2992	1252	2097	4034	4095	3991
6 1934 Federal Report Surplus Deficit	2939	2709	896	617	3171	3597	4024	4210	4162	3763	3852	4255	2759	2090
7 1935 Federal Report Surplus Deficit	517	-378	-352	-214	222	456	2637	2527	2988	-182	2310	3717	2593	3281
8 1936 Federal Report Surplus Deficit	2769	266	248	-245	553	30.8	-915	69.6	990	303	3459	4679	3428	2055
9 1937 Federal Report Surplus Deficit	1036	-197	64.7	-115	808	84.7	-863	-613	475	-406	-854	3117	1408	699
10 1938 Federal Report Surplus Deficit	1195	-337	305	-194	599	641	2310	2489	3295	2795	4168	4579	3237	3095
11 1939 Federal Report Surplus Deficit	486	-404	630	-135	432	-101	1342	981	1648	1462	3102	3927	1246	1920
12 1940 Federal Report Surplus Deficit	896	-461	-24.4	-71.1	1047	1352	574	991	3415	1573	2496	3799	1820	1428
13 1941 Federal Report Surplus Deficit	793	-664	25.8	-379	812	702	-115	60.1	840	-915	627	3106	1460	1670
14 1942 Federal Report Surplus Deficit	1463	-26.4	460	-558	1227	2198	1968	1621	1464	233	2251	3519	2737	3563
15 1943 Federal Report Surplus Deficit	2031	1242	972	-48.1	239	866	2860	2937	3355	4076	4211	4279	4059	3858
16 1944 Federal Report Surplus Deficit	2171	814	413	-242	636	-67.3	403	225	303	-879	762	1558	-997	477
17 1945 Federal Report Surplus Deficit	1097	-231	-58.0	-298	696	70.4	-729	-295	677	-633	-1100	4132	3275	219
18 1946 Federal Report Surplus Deficit	809	-114	311	-289	674	1159	1897	2198	2997	3116	4176	4627	3199	3462
19 1947 Federal Report Surplus Deficit	2681	2315	900	-355	1184	3115	3642	3578	3621	2259	2832	4595	3222	3404
20 1948 Federal Report Surplus Deficit	1941	440	810	2325	2428	2256	3411	2952	3160	1790	3620	4818	3946	3703
21 1949 Federal Report Surplus Deficit	2983	3043	1293	108	932	981	1751	1316	3898	2282	3878	4748	3275	651
22 1950 Federal Report Surplus Deficit	408	-673	-461	-359	460	1302	3230	4163	3750	3416	3425	4364	3990	4177
23 1951 Federal Report Surplus Deficit	2956	2994	1147	838	2696	3199	4025	4542	4502	3699	3732	4607	3234	3788
24 1952 Federal Report Surplus Deficit	2777	777	823	1740	1780	2274	3060	3336	3458	3418	4300	4827	3395	3234
25 1953 Federal Report Surplus Deficit	2164	134	-142	-229	616	75.2	183	3904	2416	389	1977	4213	4143	3887
26 1954 Federal Report Surplus Deficit	1812	1448	880	40.1	1178	1676	2661	4079	3601	1946	2825	4603	3650	4097
27 1955 Federal Report Surplus Deficit	3174	3286	2666	165	1935	1690	782	1402	222	57.8	1613	3909	4043	4133
28 1956 Federal Report Surplus Deficit	2915	2176	626	382	2334	3138	3883	4517	4280	3217	4150	4792	3933	3825
29 1957 Federal Report Surplus Deficit	2695	2633	904	286	889	1869	2079	863	3391	3067	2684	4806	3957	2762
30 1958 Federal Report Surplus Deficit	1815	413	415	-162	755	808	2349	2726	2942	1383	3197	4759	3709	2454
31 1959 Federal Report Surplus Deficit	1932	219	373	35.0	1789	2868	3719	3938	3755	2730	2706	4186	3755	3940
32 1960 Federal Report Surplus Deficit	3068	2954	2920	3198	3216	2677	2524	2445	3146	4207	3564	3735	3499	3283
33 1961 Federal Report Surplus Deficit	2554	89.6	492	8.24	1055	1226	2324	3066	3942	2019	2297	4564	3730	2445
34 1962 Federal Report Surplus Deficit	1726	504	240	-381	780	1149	2166	2390	1220	3392	4167	4383	3147	2722
35 1963 Federal Report Surplus Deficit	2198	935	355	611	1923	2638	2851	2788	2204	313	1905	4084	3018	3149
36 1964 Federal Report Surplus Deficit	2094	474	1082	-272	758	1186	1122	991	1536	2361	1766	4274	4045	4018
37 1965 Federal Report Surplus Deficit	2948	2606	1568	828	1617	3221	4156	4557	4206	1686	4037	4650	3246	3291
38 1966 Federal Report Surplus Deficit	2842	2410	336	287	1037	1440	1827	1958	1751	3447	2433	3203	2876	3291
39 1967 Federal Report Surplus Deficit	2572	339	491	-339	578	1888	3500	3742	3469	1297	-142	4041	3775	3863
40 1968 Federal Report Surplus Deficit	2627	1875	946	68.2	1381	1444	2491	3410	3328	48.7	1218	3040	3342	3488
41 1969 Federal Report Surplus Deficit	2735	1726	1864	889	2440	2285	3889	4150	3559	3346	4027	4809	3578	3352
42 1970 Federal Report Surplus Deficit	1720	371	683	232	1017	657	2350	2513	2218	702	1700	4192	3845	1645
43 1971 Federal Report Surplus Deficit	1650	151	186	-242	568	1524	3934	4366	4231	3364	3749	4765	3982	3936
44 1972 Federal Report Surplus Deficit	3060	3233	1131	396	1059	1753	3796	4555	4822	4148	3403	4736	3813	3983
45 1973 Federal Report Surplus Deficit	3026	3202	1305	299	1115	1364	2164	1411	1059	-1026	723	3097	536	1368
46 1974 Federal Report Surplus Deficit	1226	-209	-117	-280	670	2258	4161	4336	4751	3753	4084	4687	3896	4225
47 1975 Federal Report Surplus Deficit	2989	3227	1282	-401	623	803	2567	2719	3260	426	1668	4521	4007	4036
48 1976 Federal Report Surplus Deficit	2485	1874	1365	1104	2678	3544	3725	4182	3980	3645	3637	4807	3555	3892
49 1977 Federal Report Surplus Deficit	3242	3336	3398	364	673	30.8	637	422	178	-1071	143	1364	-1307	974
50 1978 Federal Report Surplus Deficit	1173	-408	-630	-686	632	1218	2135	2529	2587	3320	2696	4317	2636	3415
51 1979 Federal Report Surplus Deficit	2035	760	1526	460	1071	340	569	1912	2599	366	2109	4361	2445	106
52 1980 Federal Report Surplus Deficit	940	-339	437	-96.6	679	-113	1422	153	963	1250	3110	4796	3507	2217
53 1981 Federal Report Surplus Deficit	704	-218	462	-141	1017	2592	3440	3578	2402	-778	1814	4152	3840	3690
54 1982 Federal Report Surplus Deficit	3061	3038	1015	-3.11	1392	1345	3047	4548	4705	3325	3253	4646	3964	4177

Federal Report Surplus Deficit By Water Year

Operating Year 2027

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Federal Report Surplus Deficit	3062	3216	1929	988	1447	1899	3400	4027	4334	2524	2676	4379	3516	3871
56 1984 Federal Report Surplus Deficit	2831	2622	1276	157	2909	2203	3037	3632	3571	3662	3897	4512	3987	3684
57 1985 Federal Report Surplus Deficit	2795	1155	1280	224	1344	1406	1713	1689	1909	2083	3253	4290	2288	1466
58 1986 Federal Report Surplus Deficit	105	-692	146	608	1770	1623	2550	3728	4587	3605	3904	3974	3320	2547
59 1987 Federal Report Surplus Deficit	1773	-173	50.4	-323	1167	1531	934	911	2199	-426	1603	3845	2384	1230
60 1988 Federal Report Surplus Deficit	738	-661	-129	-355	514	-125	-433	-1000	1116	-480	1409	2998	916	2302
61 1989 Federal Report Surplus Deficit	1452	-57.5	251	-328	834	1006	-1.34	-899	2397	1596	4077	4033	2490	1765
62 1990 Federal Report Surplus Deficit	812	-265	193	-116	1055	1834	2164	3435	3393	1336	3866	3811	3494	3169
63 1991 Federal Report Surplus Deficit	2782	1995	387	-360	2719	2462	3388	3396	3371	2298	2362	4174	3333	3793
64 1992 Federal Report Surplus Deficit	3065	2215	448	-328	607	-110	603	1431	2165	-1024	714	2995	473	1152
65 1993 Federal Report Surplus Deficit	1179	-340	-666	-367	797	299	-767	-1117	1696	507	2024	4276	3113	2047
66 1994 Federal Report Surplus Deficit	1491	337	571	-160	920	512	-251	-168	1375	-630	1398	3077	2103	1745
67 1995 Federal Report Surplus Deficit	1251	-323	97.2	-287	417	575	1257	1942	2514	2234	1975	4134	3595	2975
68 1996 Federal Report Surplus Deficit	1354	367	1024	937	3338	3676	4129	4550	4934	3445	4215	4733	3541	3844
69 1997 Federal Report Surplus Deficit	2974	2214	924	-36.7	1224	2286	4192	4369	4853	3575	4163	4688	3851	3913
70 1998 Federal Report Surplus Deficit	3001	3239	1890	2560	2363	1408	1539	2722	2192	1082	2633	4715	3923	3123
71 1999 Federal Report Surplus Deficit	2851	1138	486	-226	493	2137	3783	4326	4324	2233	3564	4320	3902	4055
72 2000 Federal Report Surplus Deficit	3277	3335	1321	-16.8	3053	2674	2532	2700	3176	3205	4015	4463	2120	3004
73 2001 Federal Report Surplus Deficit	2539	-284	-55.4	-110	572	193	316	188	611	-961	308	2345	-1148	923
74 2002 Federal Report Surplus Deficit	1184	-184	-552	-774	624	664	29.8	185	1597	1151	3533	3898	3706	3755
75 2003 Federal Report Surplus Deficit	1770	1045	411	-91.1	814	309	-174	-79.1	2854	1157	2357	3830	3639	1535
76 2004 Federal Report Surplus Deficit	703	-469	-307	-263	1367	1459	629	-371	1692	638	1860	3729	2512	2218
77 2005 Federal Report Surplus Deficit	458	96.7	855	348	1080	1674	1537	2347	1316	-426	1433	3892	2716	2019
78 2006 Federal Report Surplus Deficit	1694	94.6	275	-385	1235	1331	3037	3184	3097	3489	4100	4663	3670	2911
79 2007 Federal Report Surplus Deficit	1277	-201	-134	-512	1251	1391	2535	2039	3649	2722	2196	4236	2742	3207
80 2008 Federal Report Surplus Deficit	1251	-431	-348	-220	1204	522	805	691	1878	786	19.8	4468	4086	3441

Ranked Averages

81 Bottom 10 pct	515	-425	105	-63.9	858	1110	1866	1994	2437	907	2407	3844	2642	2769
82 Middle 80 pct	2000	842	538	57.9	1186	1388	1899	2137	2689	1690	2558	4112	3029	2740
83 Top 10 pct	3126	3077	1853	595	1672	1495	2165	2691	2844	1922	2423	3778	2515	3072

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

Monthly 120-Hour Capacity
Operating Year 2018 to 2027
Using 1937-Water Conditions

**Regional Report Surplus Deficit By Water Year
Operating Year 2018**

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	3912	2980	5161	5366	4836	2125	1653	3227	4565	3935	5413	7857	7495	1625
2 1930 Regional Report Surplus Deficit	3282	1653	5061	5246	4749	2049	586	3568	4735	5081	6321	6753	3705	4590
3 1931 Regional Report Surplus Deficit	3870	1412	4418	5154	4865	2109	840	1431	4126	4880	2154	8967	3253	4467
4 1932 Regional Report Surplus Deficit	2853	443	4149	4876	4145	2099	-122	1267	7153	9694	9314	11409	10138	6043
5 1933 Regional Report Surplus Deficit	4017	3981	5674	5238	4162	4336	5701	7147	7881	6941	6700	9869	10577	7359
6 1934 Regional Report Surplus Deficit	6479	5358	5700	6584	8195	7861	7633	9103	10044	10627	8875	10300	8430	4830
7 1935 Regional Report Surplus Deficit	3245	1323	3966	4828	3796	2139	5418	6435	7852	5340	7097	9696	8701	6533
8 1936 Regional Report Surplus Deficit	5826	2601	4689	5282	4581	1736	396	2655	5340	5722	8920	11674	10071	4956
9 1937 Regional Report Surplus Deficit	3785	1958	4660	5221	4880	2019	160	1433	4071	4167	3722	8882	6808	2003
10 1938 Regional Report Surplus Deficit	4082	2155	4843	5220	4671	3017	5111	6793	8596	9261	9875	11166	9561	6279
11 1939 Regional Report Surplus Deficit	3521	1720	5370	5230	4541	2133	3637	4301	6146	7154	8057	10486	6314	4719
12 1940 Regional Report Surplus Deficit	3848	1768	4854	5213	5092	2803	3945	3370	9008	7490	7191	10145	6036	4233
13 1941 Regional Report Surplus Deficit	2327	488	4453	4877	4700	3121	1803	3466	5162	3399	4439	8413	5680	3515
14 1942 Regional Report Surplus Deficit	2773	1229	5396	4869	5527	4438	5116	5722	7321	4807	6809	9488	8986	6534
15 1943 Regional Report Surplus Deficit	4884	3375	6253	5279	3905	2755	5974	7262	8574	11412	10099	10795	10683	7360
16 1944 Regional Report Surplus Deficit	4685	2861	5234	5288	4912	2248	1791	3430	4783	3964	4528	6284	2522	1640
17 1945 Regional Report Surplus Deficit	1918	-289	3729	4637	4489	1994	1026	2820	4635	4354	1407	9952	9092	2423
18 1946 Regional Report Surplus Deficit	3864	1244	4315	5125	5129	3430	4453	5805	8277	9828	9889	11267	9535	7023
19 1947 Regional Report Surplus Deficit	6014	4972	5967	5255	5082	7472	6940	8389	9017	8544	7873	11210	9647	6639
20 1948 Regional Report Surplus Deficit	5653	4277	5446	9215	6918	5843	6591	7408	8334	7746	9075	11485	10111	7270
21 1949 Regional Report Surplus Deficit	6587	6324	6406	5917	4651	3714	4264	5839	8961	8747	9546	11569	9661	3602
22 1950 Regional Report Surplus Deficit	2394	1026	4309	5027	4656	2882	6434	8587	9326	10216	8740	10389	10717	7792
23 1951 Regional Report Surplus Deficit	6266	5120	6040	7123	7613	7707	7555	9663	10579	10683	9147	11029	9607	7085
24 1952 Regional Report Surplus Deficit	6089	4000	5755	8481	6001	5884	6005	7859	8906	10465	10117	11600	10066	6592
25 1953 Regional Report Surplus Deficit	5365	4034	4456	5251	4343	1959	3246	7481	7487	5893	6622	10610	10709	7513
26 1954 Regional Report Surplus Deficit	5082	3791	5760	5838	5014	4894	6408	8369	8994	8248	7998	11067	10267	7520
27 1955 Regional Report Surplus Deficit	6829	7183	8775	5988	6053	4810	3512	4594	4424	5438	5852	9601	10723	7662
28 1956 Regional Report Surplus Deficit	6589	4927	5394	6329	6745	7477	7323	9163	9820	9794	9574	11329	10638	7425
29 1957 Regional Report Surplus Deficit	6424	5756	5906	6255	4714	5166	4777	5449	8225	9998	7592	11775	10589	6032
30 1958 Regional Report Surplus Deficit	5162	2460	5273	5144	4738	2589	5268	6969	8084	7371	8711	11499	10438	5713
31 1959 Regional Report Surplus Deficit	4942	2331	4934	5475	5833	6926	7169	8718	9428	9406	7605	10649	10243	7280
32 1960 Regional Report Surplus Deficit	6621	5196	9158	10462	8338	6553	5397	6707	8568	11606	8857	9867	9965	6371
33 1961 Regional Report Surplus Deficit	5149	2667	4920	5633	4863	4089	5181	8108	9331	8390	6853	10867	9970	5696
34 1962 Regional Report Surplus Deficit	5045	2555	4895	4828	4810	3387	4993	6509	6034	10417	9648	10817	9249	5849
35 1963 Regional Report Surplus Deficit	4839	3595	4767	6661	6104	6484	5690	7228	7460	5729	6536	10781	9350	6268
36 1964 Regional Report Surplus Deficit	4809	2557	5994	5186	4479	4066	3602	4977	6293	8924	6258	10336	10617	7558
37 1965 Regional Report Surplus Deficit	6511	5777	6865	6895	5616	7560	7586	9412	9945	7759	9809	11087	9687	6572
38 1966 Regional Report Surplus Deficit	6322	5727	5088	6193	4839	4541	4529	5921	6679	10461	7414	9022	8906	6333
39 1967 Regional Report Surplus Deficit	4957	2786	5258	5116	4520	4768	6741	8426	9147	7323	3568	10128	10337	7284
40 1968 Regional Report Surplus Deficit	5842	4785	5756	5912	5302	4568	6145	7860	8813	5105	5293	8812	9825	6660
41 1969 Regional Report Surplus Deficit	5955	5807	7350	7165	6995	5884	7215	8815	9154	10372	9546	11532	10189	6675
42 1970 Regional Report Surplus Deficit	5498	3636	5397	5945	5119	3057	5492	6746	7221	6185	6081	10625	10470	4881
43 1971 Regional Report Surplus Deficit	4490	2267	4965	5177	4826	3731	7339	9233	10102	9955	9044	11374	10778	7716
44 1972 Regional Report Surplus Deficit	6767	6910	6323	6467	5048	5044	7134	9437	11016	11400	8248	11394	10250	7427
45 1973 Regional Report Surplus Deficit	6733	6916	6670	6281	5098	4445	5056	4755	5847	3882	4620	8454	4599	3786
46 1974 Regional Report Surplus Deficit	3257	1060	4680	5193	4612	5533	7908	9288	10675	10629	9508	10684	10464	7844
47 1975 Regional Report Surplus Deficit	6726	6896	6353	5170	4970	2961	5485	7077	8548	5883	5966	10853	10617	7800
48 1976 Regional Report Surplus Deficit	6312	5944	6614	7514	7423	8109	7307	8954	9658	10641	8961	11403	10183	7357
49 1977 Regional Report Surplus Deficit	6959	7376	10073	6325	5013	2130	2016	3570	4746	3358	3841	6066	1795	1767
50 1978 Regional Report Surplus Deficit	1767	-167	3328	3972	4507	3655	4839	6397	7831	9926	7972	11122	8594	6693
51 1979 Regional Report Surplus Deficit	4247	2447	7154	6360	5046	2629	3575	3823	8017	5212	6550	11133	8295	2070
52 1980 Regional Report Surplus Deficit	2284	1332	4921	5186	4660	1904	3479	4167	5631	7251	8330	11829	9944	5679
53 1981 Regional Report Surplus Deficit	2857	1085	5269	5240	4789	6374	6772	8311	7622	3798	6331	10435	10349	6869
54 1982 Regional Report Surplus Deficit	6489	5427	5776	5726	5277	4360	6125	9489	10638	10122	8275	10918	10698	7828

Regional Report Surplus Deficit By Water Year

Operating Year 2018

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Regional Report Surplus Deficit	6564	6640	7479	7359	5508	5283	6707	8779	10186	9182	7509	10752	10186	7415
56 1984 Regional Report Surplus Deficit	6617	6362	6489	6063	7944	5789	6232	8311	9161	10775	9331	10987	10709	7207
57 1985 Regional Report Surplus Deficit	6276	3678	6515	6190	5504	4514	4392	5432	6436	8624	8432	10668	8115	4283
58 1986 Regional Report Surplus Deficit	2059	767	5282	5125	7051	4655	5829	8379	10560	10492	9393	10334	9413	5778
59 1987 Regional Report Surplus Deficit	4248	2012	4794	4985	5103	4692	3926	4749	6710	4734	5846	9984	7813	3712
60 1988 Regional Report Surplus Deficit	2760	645	4299	4955	4367	1819	1415	1762	5140	4549	5758	8864	5314	5116
61 1989 Regional Report Surplus Deficit	3946	1988	4565	4917	5021	3031	1936	3275	7276	7608	9383	10436	8413	4062
62 1990 Regional Report Surplus Deficit	3236	1403	4684	5315	5081	4742	5706	7376	8500	7260	9330	10004	10100	6302
63 1991 Regional Report Surplus Deficit	5969	4402	5204	5023	7369	5985	6490	7973	8679	7979	6807	10281	9673	6966
64 1992 Regional Report Surplus Deficit	6439	5169	5041	5383	4768	1822	2913	4123	7305	3878	3733	8023	3914	2103
65 1993 Regional Report Surplus Deficit	1884	270	3778	4404	4564	2271	970	1541	6277	5750	6637	10772	9288	4919
66 1994 Regional Report Surplus Deficit	4353	2185	5121	5214	5068	2648	808	2537	4976	4497	5739	9881	7545	4655
67 1995 Regional Report Surplus Deficit	3395	737	4649	5088	4168	2516	3734	6617	8957	6124	5983	10491	10191	6139
68 1996 Regional Report Surplus Deficit	4190	2458	5814	6690	8620	7991	7839	9752	10909	10598	10149	11346	10081	7244
69 1997 Regional Report Surplus Deficit	6428	5465	5865	5620	5073	5904	7696	9258	10874	10557	9829	11135	10153	7457
70 1998 Regional Report Surplus Deficit	6651	6925	7580	9570	6805	4542	4877	6529	7596	6832	7391	11425	10560	6674
71 1999 Regional Report Surplus Deficit	6331	4259	5263	5489	4207	5471	7136	9100	10184	8624	8939	10571	10653	7649
72 2000 Regional Report Surplus Deficit	7157	7205	6557	5759	7892	6553	5552	6983	8520	10200	9665	10939	8026	6138
73 2001 Regional Report Surplus Deficit	5397	1847	4681	5318	4645	2135	1515	3155	4986	3754	4017	7549	1914	2336
74 2002 Regional Report Surplus Deficit	1941	-219	3555	3858	4408	2541	2076	3545	6177	7060	8757	10109	10258	7006
75 2003 Regional Report Surplus Deficit	3261	2264	4814	5223	4941	2380	1683	2969	8131	6918	7033	9954	9895	4422
76 2004 Regional Report Surplus Deficit	3068	1110	4457	4953	5399	3290	3119	3725	6536	5743	6200	9870	7951	5020
77 2005 Regional Report Surplus Deficit	2133	1664	6266	5894	4536	4396	5173	4172	5591	3892	5466	10228	8546	5567
78 2006 Regional Report Surplus Deficit	3738	1317	4778	4560	4811	4167	6048	7844	8325	10597	9614	11389	10475	6114
79 2007 Regional Report Surplus Deficit	5096	1058	4431	5120	5433	3173	5201	6780	8872	8945	6968	10264	8936	6399
80 2008 Regional Report Surplus Deficit	3938	1246	4217	5244	5138	1916	2658	4385	6315	6447	3888	10793	10812	6865

Ranked Averages

81 Bottom 10 pct	2039	481	4414	4744	4864	3067	3149	4311	6483	6516	6550	10345	8852	5197
82 Middle 80 pct	4833	3116	5301	5669	5267	4191	4807	6373	7982	7747	7527	10351	9027	5868
83 Top 10 pct	6805	6826	7686	7003	6152	4630	4879	6207	7408	7325	6805	9825	8317	5953

Regional Report Surplus Deficit By Water Year

Operating Year 2019

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	4919	4249	5168	5238	4600	1877	1346	3027	4230	2599	4521	7492	6292	1244
2 1930 Regional Report Surplus Deficit	3035	552	5625	5105	4504	1798	219	3357	4401	3747	5296	6447	2144	4400
3 1931 Regional Report Surplus Deficit	3567	581	5275	5012	4615	1878	495	970	3766	3544	1156	8509	1706	4300
4 1932 Regional Report Surplus Deficit	3371	1053	4899	4742	3910	1858	-515	716	7008	8349	7808	11062	9335	6195
5 1933 Regional Report Surplus Deficit	4763	3038	6282	5106	3926	4107	5543	6839	7619	5701	5702	9357	9858	8208
6 1934 Regional Report Surplus Deficit	6154	5317	6076	6405	7830	7064	7502	8555	9475	8915	7430	9708	7446	4742
7 1935 Regional Report Surplus Deficit	2580	138	4815	4691	3553	1882	5244	6207	7672	3930	6029	9208	7560	6918
8 1936 Regional Report Surplus Deficit	5819	2085	5009	5146	4344	1474	15.0	2395	5030	4389	7687	11299	9215	4806
9 1937 Regional Report Surplus Deficit	3969	881	5401	5086	4630	1781	-198	1002	3712	2829	2850	8434	5427	1626
10 1938 Regional Report Surplus Deficit	3635	699	5432	5087	4435	2792	4957	6526	8373	8020	8442	10670	8589	6503
11 1939 Regional Report Surplus Deficit	2727	1126	5783	5100	4307	1867	3409	4140	5852	5837	6883	9927	4991	4542
12 1940 Regional Report Surplus Deficit	3260	485	5577	5073	4836	2581	3757	3137	8778	6170	6071	9628	4632	4055
13 1941 Regional Report Surplus Deficit	2044	18.9	4883	4749	4458	2903	1476	3262	4849	2063	3575	7930	4312	3277
14 1942 Regional Report Surplus Deficit	3253	443	5518	4741	5258	4209	4972	5537	7069	3471	5761	8951	7977	6904
15 1943 Regional Report Surplus Deficit	4667	3256	6542	5144	3663	2519	5853	6977	8325	9891	8897	10276	9957	7974
16 1944 Regional Report Surplus Deficit	5665	3104	5404	5168	4674	1995	1493	3238	4448	2627	3668	6006	951	1297
17 1945 Regional Report Surplus Deficit	2093	-57.8	4126	4506	4249	1762	669	2528	4291	3018	456	9361	8176	2048
18 1946 Regional Report Surplus Deficit	2861	434	5343	5000	4885	3213	4261	5616	8114	8480	8502	10729	8574	7551
19 1947 Regional Report Surplus Deficit	5407	3998	6306	5133	4842	7101	6797	7978	8828	7288	6727	10782	8715	7054
20 1948 Regional Report Surplus Deficit	4865	2764	5983	8970	6598	5573	6466	7050	8056	6395	7731	11130	9402	7899
21 1949 Regional Report Surplus Deficit	6251	5839	6739	5765	4417	3497	4090	5653	8736	7444	8203	11194	8740	3272
22 1950 Regional Report Surplus Deficit	2725	568	5134	4907	4422	2660	6274	8219	9191	8960	7503	9872	10025	8546
23 1951 Regional Report Surplus Deficit	6374	5777	6598	6934	7269	7319	7462	9132	9951	9279	7687	10520	8685	7763
24 1952 Regional Report Surplus Deficit	5810	3010	6101	8249	5732	5610	5893	7510	8651	8995	8786	11250	9171	6928
25 1953 Regional Report Surplus Deficit	4839	1498	5059	5123	4109	1703	2956	7215	7238	4561	5654	10115	10019	8103
26 1954 Regional Report Surplus Deficit	5666	4025	6139	5690	4775	4655	6261	7967	8711	7009	6865	10499	9510	8311
27 1955 Regional Report Surplus Deficit	6543	6552	8994	5834	5772	4564	3269	4438	4088	4177	4853	9134	9995	8415
28 1956 Regional Report Surplus Deficit	6184	4378	5777	6166	6433	7142	7203	8667	9478	8536	8175	10943	9935	8094
29 1957 Regional Report Surplus Deficit	6103	5268	6251	6095	4480	4921	4626	5277	8097	8656	6458	11538	9868	6162
30 1958 Regional Report Surplus Deficit	4198	1783	6007	5020	4498	2344	5123	6726	7832	6062	7514	11145	9664	5734
31 1959 Regional Report Surplus Deficit	4769	1468	5458	5337	5563	6614	7024	8257	9099	8185	6439	9983	9473	8090
32 1960 Regional Report Surplus Deficit	6267	5821	9559	10226	7971	6256	5269	6451	8306	9858	7415	9357	9109	6763
33 1961 Regional Report Surplus Deficit	5123	2021	5522	5487	4627	3867	5044	7739	9019	7103	5855	10220	9225	5838
34 1962 Regional Report Surplus Deficit	4855	2111	5241	4714	4573	3171	4842	6272	5794	9075	8230	10303	8214	5955
35 1963 Regional Report Surplus Deficit	4659	3198	5215	6482	5824	6190	5575	6959	7209	4396	5526	10273	8348	6586
36 1964 Regional Report Surplus Deficit	4241	2450	6372	5062	4246	3846	3364	4818	6058	7619	5314	9855	9995	8322
37 1965 Regional Report Surplus Deficit	6220	5311	7172	6703	5355	7101	7429	8863	9542	6578	8406	10636	8843	6937
38 1966 Regional Report Surplus Deficit	6018	5265	5530	6029	4602	4308	4344	5723	6446	9023	6317	8601	7866	6686
39 1967 Regional Report Surplus Deficit	5392	2185	5444	4988	4286	4533	6650	7972	8897	6011	2606	9600	9602	7983
40 1968 Regional Report Surplus Deficit	5578	4326	6095	5758	5055	4335	6029	7522	8544	3815	4343	8430	9041	7136
41 1969 Regional Report Surplus Deficit	5646	4058	7685	6965	6674	5610	7065	8315	8839	8918	8139	11079	9371	7086
42 1970 Regional Report Surplus Deficit	4306	1696	5760	5797	4875	2834	5343	6499	6859	4974	5108	10188	9618	4692
43 1971 Regional Report Surplus Deficit	3882	1622	5532	5051	4592	3515	7211	8685	9731	8736	7584	10904	10049	8314
44 1972 Regional Report Surplus Deficit	6410	6414	6632	6304	4813	4803	7047	8889	10300	9612	7136	10907	9477	8266
45 1973 Regional Report Surplus Deficit	6384	6381	6896	6120	4859	4221	4894	4598	5552	2545	3751	7991	3231	3539
46 1974 Regional Report Surplus Deficit	2445	263	4894	5059	4379	5272	7711	8739	10062	9231	8100	10227	9748	8576
47 1975 Regional Report Surplus Deficit	6400	6401	6599	5052	4733	2731	5344	6797	8276	4593	5048	10299	9909	8362
48 1976 Regional Report Surplus Deficit	5617	4985	6967	7312	7080	7311	7150	8472	9329	9209	7540	10981	9383	8127
49 1977 Regional Report Surplus Deficit	6719	6700	10527	6160	4772	1887	1740	3400	4417	2023	2981	5822	205	1492
50 1978 Regional Report Surplus Deficit	2103	-324	4057	3853	4270	3439	4655	6167	7653	8585	6797	10524	7499	7117
51 1979 Regional Report Surplus Deficit	4047	2023	7887	6188	4804	2393	3373	3642	7763	3866	5534	10633	7097	1692
52 1980 Regional Report Surplus Deficit	2879	382	5738	5054	4420	1627	3239	3996	5324	5928	7144	11468	9136	5715
53 1981 Regional Report Surplus Deficit	2692	647	5898	5109	4551	6087	6671	7938	7372	2412	5391	9892	9598	7597
54 1982 Regional Report Surplus Deficit	6239	5515	6114	5585	5028	4135	6019	8941	10095	8834	7113	10467	9917	8468

Regional Report Surplus Deficit By Water Year

Operating Year 2019

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Regional Report Surplus Deficit	6363	6186	7818	7164	5258	5034	6608	8451	9816	7918	6390	10316	9367	8039
56 1984 Regional Report Surplus Deficit	6279	4955	6834	5911	7595	5519	6067	7979	8960	9308	8146	10546	9971	7792
57 1985 Regional Report Surplus Deficit	6277	3713	6853	6039	5260	4287	4204	5264	6162	7376	7237	10173	6894	4028
58 1986 Regional Report Surplus Deficit	2615	444	5802	5013	6729	4417	5704	8092	10055	9044	8163	9787	8528	5819
59 1987 Regional Report Surplus Deficit	3996	966	5202	4873	4862	4460	3704	4598	6431	3228	5027	9457	6625	3407
60 1988 Regional Report Surplus Deficit	2475	389	4751	4822	4126	1541	1081	1366	4826	3211	4844	8424	3839	5028
61 1989 Regional Report Surplus Deficit	3383	793	5128	4793	4776	2812	1616	3051	7091	6352	7999	9923	7226	3770
62 1990 Regional Report Surplus Deficit	2858	547	5515	5178	4834	4499	5503	6897	8321	5937	7973	9476	9296	6568
63 1991 Regional Report Surplus Deficit	5745	4802	5409	4904	7029	5702	6430	7569	8412	6665	5774	9759	8776	7788
64 1992 Regional Report Surplus Deficit	6221	4744	5254	5243	4530	1541	2661	3961	7055	2542	2876	7590	2444	1768
65 1993 Regional Report Surplus Deficit	1931	-117	4335	4264	4316	2037	612	1120	6005	4419	5654	10286	8252	4724
66 1994 Regional Report Surplus Deficit	3839	1400	5711	5079	4812	2425	438	2493	6436	3021	4809	8649	5586	4466
67 1995 Regional Report Surplus Deficit	3022	-82.6	5109	4949	3935	2282	3505	6091	7678	7041	5340	10277	9446	6297
68 1996 Regional Report Surplus Deficit	4144	1561	6450	6506	8248	7194	7656	9204	10202	9211	8784	10884	9251	8031
69 1997 Regional Report Surplus Deficit	6209	4814	6227	5477	4833	5628	7585	8710	10210	9126	8443	10705	9407	8247
70 1998 Regional Report Surplus Deficit	6314	6445	7879	9323	6492	4317	4701	6306	7343	5505	6308	11114	9821	7029
71 1999 Regional Report Surplus Deficit	5526	2379	5688	5362	3971	5215	7079	8650	9751	7318	7751	10097	9932	8461
72 2000 Regional Report Surplus Deficit	6850	6701	6891	5616	7539	6259	5416	6803	8213	8852	8211	10466	6768	6367
73 2001 Regional Report Surplus Deficit	5189	1385	5093	5188	4408	1889	1217	2963	4673	2417	3160	7195	307	2005
74 2002 Regional Report Surplus Deficit	2160	-63.4	3700	3738	4169	2310	1771	3354	5932	5631	7521	9571	9482	7566
75 2003 Regional Report Surplus Deficit	4579	2256	5789	5080	4690	2145	1348	2719	7908	5501	5956	9406	9035	4173
76 2004 Regional Report Surplus Deficit	2690	534	4740	4821	5134	3074	2867	3541	6258	4403	5206	9377	6729	4857
77 2005 Regional Report Surplus Deficit	3367	1690	6662	5727	4298	4157	4661	4800	5287	2570	4592	9649	7415	5540
78 2006 Regional Report Surplus Deficit	4050	397	5443	4451	4571	3942	5910	7488	8100	9117	8293	11035	9702	6261
79 2007 Regional Report Surplus Deficit	3416	1423	4888	4989	5180	2956	5063	6503	8614	7748	5873	9772	7887	6661
80 2008 Regional Report Surplus Deficit	3831	461	4788	5100	4881	1656	2387	4247	6062	5045	3014	10379	10092	7269
Ranked Averages														
81 Bottom 10 pct	2229	30.9	4445	4460	4190	2643	2902	4093	6411	5011	5372	9442	7358	5657
82 Middle 80 pct	4620	2518	5883	5627	5092	3907	4543	5976	7598	6430	6391	9923	8131	6042
83 Top 10 pct	6506	6389	7620	6148	5627	4602	5222	6564	7577	6125	5757	9432	7205	6530

Regional Report Surplus Deficit By Water Year

Operating Year 2020

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	4830	4204	5183	4758	4612	1739	1263	2979	4069	3316	4908	7289	6967	658
2 1930 Regional Report Surplus Deficit	2895	534	5672	4720	4423	1626	229	3544	4343	4266	5143	7023	4400	3617
3 1931 Regional Report Surplus Deficit	3442	550	5322	4622	4654	1737	-572	1484	5211	4270	1527	7981	3016	4159
4 1932 Regional Report Surplus Deficit	3229	1009	4935	4110	3514	1726	117	660	6683	8875	9057	10788	9028	5763
5 1933 Regional Report Surplus Deficit	4645	2949	6326	4749	4418	4162	5445	7142	7612	5850	6360	9309	9505	7292
6 1934 Regional Report Surplus Deficit	6433	5385	6123	5963	8245	7067	7525	9399	9710	9733	8666	9773	7083	4254
7 1935 Regional Report Surplus Deficit	2489	143	4858	4473	4012	2290	5324	6682	7524	4191	6803	9143	7670	6206
8 1936 Regional Report Surplus Deficit	5979	2042	5024	4659	4381	1579	-140	2891	4848	4830	8554	11059	8892	4566
9 1937 Regional Report Surplus Deficit	3823	862	5441	4712	4559	1671	-189	1590	3809	3539	1900	8369	6125	2522
10 1938 Regional Report Surplus Deficit	3489	692	5474	4641	4476	2764	4858	6575	8263	8332	9555	10596	8630	6009
11 1939 Regional Report Surplus Deficit	2661	1142	5831	4792	4286	1692	3834	4208	5610	6250	7721	9869	5815	4180
12 1940 Regional Report Surplus Deficit	3124	478	5624	4787	4899	3553	2486	4628	8643	6635	6848	9591	6405	3408
13 1941 Regional Report Surplus Deficit	1989	62.3	4927	4434	4294	2597	1338	3188	4596	2623	4290	7822	5398	2820
14 1942 Regional Report Surplus Deficit	3109	412	5566	4209	5072	4789	4328	5348	5601	4496	6454	8850	7812	6650
15 1943 Regional Report Surplus Deficit	4482	3222	6573	4894	4001	3084	5654	7288	8366	10481	9725	10229	9580	7155
16 1944 Regional Report Surplus Deficit	5742	2994	5432	4857	4630	1828	1787	3203	3834	3232	4630	5884	2260	1152
17 1945 Regional Report Surplus Deficit	2003	-84.9	4166	4011	4014	1667	177	2492	4385	3208	2054	9597	8179	1938
18 1946 Regional Report Surplus Deficit	2734	422	5382	4619	4675	3490	4478	6169	7869	8889	9567	10627	8506	6644
19 1947 Regional Report Surplus Deficit	5394	3967	6353	4668	5477	6444	6741	8535	8801	7657	7529	10605	8569	6432
20 1948 Regional Report Surplus Deficit	4779	2687	6029	8572	7220	5012	6413	7347	8019	7020	8825	10791	9023	6947
21 1949 Regional Report Surplus Deficit	6598	5983	6779	5308	5086	3093	3978	4881	9182	7717	9242	10945	8638	2610
22 1950 Regional Report Surplus Deficit	2660	626	5163	4427	4131	3470	6225	8999	9104	9280	8406	9850	9579	7665
23 1951 Regional Report Surplus Deficit	6727	5890	6643	6493	7861	6678	7441	9975	10321	9723	8893	10419	8552	6988
24 1952 Regional Report Surplus Deficit	5566	2950	6144	7867	6381	5049	5882	7928	8522	9369	9828	10940	8911	6282
25 1953 Regional Report Surplus Deficit	4750	1403	5075	4769	4476	1798	1990	8760	7010	5044	6361	10081	9666	7229
26 1954 Regional Report Surplus Deficit	5607	3951	6186	5229	5432	4204	5603	8936	8681	7327	7670	10481	8961	7412
27 1955 Regional Report Surplus Deficit	6796	7002	9011	5379	6412	4092	2837	4899	3456	4619	5448	9059	9640	7503
28 1956 Regional Report Surplus Deficit	6492	4245	5819	5719	7059	6458	7191	9455	9551	8883	9202	10680	9501	7284
29 1957 Regional Report Surplus Deficit	6304	5308	6299	5646	5057	4539	4582	4343	8473	9039	7287	11103	9534	5522
30 1958 Regional Report Surplus Deficit	4053	1703	6055	4775	4631	3036	5095	7142	7798	6530	8422	10885	9226	5093
31 1959 Regional Report Surplus Deficit	4660	1427	5497	5069	6204	5989	6994	8857	8960	8546	7315	10059	9102	7161
32 1960 Regional Report Surplus Deficit	6394	5966	9594	9827	8379	5642	5124	6632	8074	10678	8604	9284	8865	6156
33 1961 Regional Report Surplus Deficit	5070	1918	5558	5123	5279	3454	4839	7573	9224	7322	6593	10293	8689	4839
34 1962 Regional Report Surplus Deficit	4767	2061	5282	4474	4802	3261	4587	6514	5222	9466	9413	10244	8392	5341
35 1963 Regional Report Surplus Deficit	4546	3105	5236	6024	6467	5597	5674	7169	6676	4872	6180	10225	8288	6007
36 1964 Regional Report Surplus Deficit	4117	2398	6419	4710	4798	3433	3286	4457	5715	7931	5932	9803	9522	7420
37 1965 Regional Report Surplus Deficit	6256	5386	7192	6276	6003	6546	7493	9707	9628	6981	9489	10463	8605	6319
38 1966 Regional Report Surplus Deficit	6191	5355	5561	5582	5261	3869	4276	5839	6123	9464	7063	8473	7924	6107
39 1967 Regional Report Surplus Deficit	5461	2137	5484	4622	4514	4470	6593	8395	8720	6418	3100	9645	9115	7171
40 1968 Regional Report Surplus Deficit	5628	4292	6142	5303	5707	3897	5344	8279	8637	4349	4915	8287	8736	6481
41 1969 Regional Report Surplus Deficit	5747	4026	7685	6554	7295	5047	7045	9031	8666	9319	9265	10900	9081	6407
42 1970 Regional Report Surplus Deficit	4159	1649	5804	5499	5178	2791	5113	6849	6862	5412	5739	10143	9441	4100
43 1971 Regional Report Surplus Deficit	3722	1517	5573	4737	4579	4002	7233	9528	9759	9005	8769	10691	9564	7458
44 1972 Regional Report Surplus Deficit	6666	6639	6678	5902	5468	4338	7003	9732	10687	10511	8461	10631	9045	7357
45 1973 Regional Report Surplus Deficit	6715	6646	6937	5684	5486	3823	4830	5135	5083	3222	4207	7797	4234	2961
46 1974 Regional Report Surplus Deficit	2312	257	4936	4648	4652	4996	7792	9558	10419	9729	9195	10087	9255	7693
47 1975 Regional Report Surplus Deficit	6739	6664	6643	4621	4266	3007	5179	7188	8225	5037	5664	10263	9622	7506
48 1976 Regional Report Surplus Deficit	5647	4982	6999	6912	7674	7183	7120	9184	9325	9679	8635	10744	9096	7262
49 1977 Regional Report Surplus Deficit	6940	7285	10306	5712	4756	1966	2311	3559	3758	2680	3454	5553	1519	1514
50 1978 Regional Report Surplus Deficit	2012	-337	4073	3262	4168	3463	4639	6362	7513	8970	7600	10528	7720	6483
51 1979 Regional Report Surplus Deficit	3889	1912	7905	5744	5262	2375	2174	5857	7385	4686	6304	10599	7447	1693
52 1980 Regional Report Surplus Deficit	2743	369	5785	4795	4485	1636	3626	3473	5045	6088	8261	11224	8973	4780
53 1981 Regional Report Surplus Deficit	2566	619	5945	4748	5069	5587	6584	8418	7004	3123	5957	9895	9186	6764
54 1982 Regional Report Surplus Deficit	6442	5634	6161	5138	5663	3713	5981	9784	10417	9237	7950	10282	9696	7674

Regional Report Surplus Deficit By Water Year

Operating Year 2020

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Regional Report Surplus Deficit	6468	6387	7826	6741	5911	4553	6560	8980	9966	8220	7161	10119	9041	7212
56 1984 Regional Report Surplus Deficit	6555	4950	6875	5539	8124	4981	6112	8502	8913	9784	8985	10421	9712	6985
57 1985 Regional Report Surplus Deficit	6477	3620	6895	5672	5904	3861	4124	5499	6275	7588	8145	10166	7076	3628
58 1986 Regional Report Surplus Deficit	2549	502	5844	6019	6436	3971	5312	8572	10434	9637	9020	9727	8482	5241
59 1987 Regional Report Surplus Deficit	3848	941	5232	4715	5340	3933	3096	4436	6890	3673	5637	9394	7026	3256
60 1988 Regional Report Surplus Deficit	2399	436	4779	4276	3427	1401	527	1286	4870	3625	5431	8394	5315	4694
61 1989 Regional Report Surplus Deficit	3238	767	5166	4427	4694	3019	1487	1878	6922	6771	9175	9855	7517	4070
62 1990 Regional Report Surplus Deficit	2785	527	5556	4763	5177	4292	4687	7865	8420	6355	9193	9337	8881	6049
63 1991 Regional Report Surplus Deficit	5871	4812	5443	4541	7652	5142	6229	7878	8270	7695	6485	9718	8542	6884
64 1992 Regional Report Surplus Deficit	6366	4750	5287	4481	4106	1559	2279	4974	6427	2988	3844	7449	3566	1966
65 1993 Regional Report Surplus Deficit	1793	-127	4350	4136	4055	1856	144	983	5777	4827	6297	10159	8397	4254
66 1994 Regional Report Surplus Deficit	3678	1289	5755	4723	4740	2267	1089	2695	5595	3457	5396	8493	6765	3939
67 1995 Regional Report Surplus Deficit	2880	-82.4	5154	4463	4069	2475	3442	5865	7376	7364	5999	10289	9194	5841
68 1996 Regional Report Surplus Deficit	3985	1513	6494	6357	8589	7306	7703	10047	10846	9645	9865	10743	8978	7160
69 1997 Regional Report Surplus Deficit	6266	4861	6274	5105	5476	5073	7675	9553	10607	9643	9461	10484	8926	7366
70 1998 Regional Report Surplus Deficit	6317	6675	7881	8927	7117	3895	4020	7137	6919	5869	7063	10772	9547	6179
71 1999 Regional Report Surplus Deficit	5505	2334	5723	4874	4314	4914	6996	9402	9764	7614	8640	10034	9569	7568
72 2000 Regional Report Surplus Deficit	7119	6941	6930	5160	8022	5674	5363	6911	8116	9232	9418	10358	7108	5762
73 2001 Regional Report Surplus Deficit	5132	1387	5111	4879	4444	1960	1456	2896	4098	2835	3654	7061	1912	1649
74 2002 Regional Report Surplus Deficit	2016	-82.8	3715	3099	4063	2481	1605	3254	5707	6057	8552	9489	9072	6868
75 2003 Regional Report Surplus Deficit	4449	2152	5836	4680	4573	1997	1274	2875	7654	5926	6682	9346	9032	3707
76 2004 Regional Report Surplus Deficit	2607	577	4755	4411	4893	3485	2355	2609	6029	4845	5851	9312	7531	4728
77 2005 Regional Report Surplus Deficit	3218	1636	6682	5281	4927	3734	3628	6225	5220	3518	5270	9665	7751	4480
78 2006 Regional Report Surplus Deficit	3909	389	5485	4199	4771	3407	5977	7646	7941	9453	9320	10698	9210	5657
79 2007 Regional Report Surplus Deficit	3295	1401	4910	4086	5311	3577	5070	5875	8997	8052	6469	9954	7628	6134
80 2008 Regional Report Surplus Deficit	3689	475	4804	4350	4504	2181	2572	3775	6095	5545	3562	10250	9686	6595
Ranked Averages														
81 Bottom 10 pct	2127	33.1	4475	4042	4086	2594	2693	4226	6349	5404	6278	9402	7626	5120
82 Middle 80 pct	4583	2506	5935	5268	5381	3790	4423	6395	7524	6909	7164	9800	8161	5521
83 Top 10 pct	6788	6631	7491	5532	5919	4084	4868	6535	7353	6593	6848	9378	7295	5275

Regional Report Surplus Deficit By Water Year

Operating Year 2021

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	4064	3069	5131	4414	4251	665	-411	1312	2469	2198	3368	6028	4188	-911
2 1930 Regional Report Surplus Deficit	2672	274	4831	4379	4044	548	-1361	1875	2743	3143	3604	5788	1407	2012
3 1931 Regional Report Surplus Deficit	2890	50.9	4546	4281	4264	679	-2088	-206	3649	3148	-50.7	6844	-59.3	2549
4 1932 Regional Report Surplus Deficit	3062	32.3	4551	3765	3166	660	-1441	-1059	5133	7745	7504	9747	6412	4143
5 1933 Regional Report Surplus Deficit	4193	2593	5670	4406	4072	3157	3577	5640	6038	4922	4839	8173	7026	5676
6 1934 Regional Report Surplus Deficit	5570	5028	5921	5623	7916	6019	5862	7726	8080	8671	7174	8731	4442	2643
7 1935 Regional Report Surplus Deficit	1912	-65.5	3824	4131	3714	1237	3536	4905	6117	3070	5264	8002	4974	4583
8 1936 Regional Report Surplus Deficit	5138	1567	4768	4315	4015	508	-1656	1223	3270	3706	7005	9962	6152	2955
9 1937 Regional Report Surplus Deficit	2873	365	4570	4370	4173	607	-1755	-93.0	2202	2420	333	7173	3184	925
10 1938 Regional Report Surplus Deficit	3085	300	4891	4298	4116	1720	3112	4928	6647	7245	8024	9512	5907	4387
11 1939 Regional Report Surplus Deficit	2168	723	5188	4449	3941	603	1752	2587	4497	5123	6177	8729	2966	2572
12 1940 Regional Report Surplus Deficit	2705	39.9	4597	4446	4501	2542	768	2969	7060	5508	5307	8444	3614	1804
13 1941 Regional Report Surplus Deficit	1883	-308	4196	4090	3908	1558	-303	1520	3013	1505	2747	6643	2567	1213
14 1942 Regional Report Surplus Deficit	2008	-402	4673	3864	4671	3786	2585	3690	4040	3373	4914	7703	5150	5049
15 1943 Regional Report Surplus Deficit	4130	2847	5871	4553	3704	2051	3947	5619	6785	9327	8174	9104	6988	5533
16 1944 Regional Report Surplus Deficit	4453	2483	5299	4512	4267	748	81.2	1537	2219	2114	3089	4540	-949	-443
17 1945 Regional Report Surplus Deficit	1505	-582	3647	3667	3637	608	-1367	811	2785	2089	482	8465	5459	345
18 1946 Regional Report Surplus Deficit	2129	302	4868	4274	4310	2470	2733	4507	6307	7772	8023	9542	5790	5021
19 1947 Regional Report Surplus Deficit	5199	4537	6044	4321	5079	5419	5083	6759	7275	6529	5988	9596	5859	4808
20 1948 Regional Report Surplus Deficit	4150	1907	5809	8218	6843	4008	4742	5675	6445	5891	7274	9765	6347	5330
21 1949 Regional Report Surplus Deficit	5552	5523	6556	4968	4698	2066	2234	3223	7570	6587	7690	9873	5992	1013
22 1950 Regional Report Surplus Deficit	2095	141	3994	4082	3792	2457	4492	7359	7504	8145	6855	8728	6983	6054
23 1951 Regional Report Surplus Deficit	5657	5528	6429	6152	7500	5651	5786	8301	8698	8602	7347	9349	5911	5370
24 1952 Regional Report Surplus Deficit	5224	2438	5947	7516	5981	4046	4191	6254	6936	8197	8271	9897	6188	4585
25 1953 Regional Report Surplus Deficit	4200	1512	4555	4425	4106	730	253	7112	5463	3920	4823	8966	7130	5654
26 1954 Regional Report Surplus Deficit	3922	3464	5987	4888	5034	3196	3814	7297	7071	6258	6127	9387	6343	5793
27 1955 Regional Report Surplus Deficit	5888	6169	8436	5039	6016	3087	1117	3241	1845	3496	3909	7919	7046	5933
28 1956 Regional Report Surplus Deficit	5562	4410	5636	5379	6678	5432	5540	7778	7928	7748	7653	9649	6796	5585
29 1957 Regional Report Surplus Deficit	5329	5080	6098	5305	4673	3535	2845	2683	6894	7909	5745	10116	6884	3904
30 1958 Regional Report Surplus Deficit	3966	1452	5158	4432	4251	2001	3362	5476	6230	5402	6876	9825	6562	3404
31 1959 Regional Report Surplus Deficit	4192	1075	5120	4728	5804	4973	5339	7171	7349	7419	5775	8952	6527	5571
32 1960 Regional Report Surplus Deficit	5610	5313	8877	9481	8051	4627	3408	4967	6506	9548	7046	8134	6234	4532
33 1961 Regional Report Surplus Deficit	4884	1428	5363	4782	4885	2436	3109	5903	7609	6194	5055	9191	6099	3224
34 1962 Regional Report Surplus Deficit	3755	1461	4825	4128	4423	2240	2848	4850	3652	8336	7862	9131	5729	3723
35 1963 Regional Report Surplus Deficit	4520	2593	5103	5684	6071	4588	3914	5655	5125	3750	4641	9087	5617	4384
36 1964 Regional Report Surplus Deficit	4089	1955	6180	4365	4421	2413	1551	2798	4155	6801	4393	8680	6967	5821
37 1965 Regional Report Surplus Deficit	5584	5039	6953	5934	5601	5516	5817	8033	7981	5804	7939	9414	5923	4695
38 1966 Regional Report Surplus Deficit	5533	4821	5386	5242	4865	2860	2531	4179	4567	8332	5520	7289	5254	4483
39 1967 Regional Report Surplus Deficit	4754	1675	5260	4279	4157	3466	4927	6864	7006	5292	1547	8525	6533	5557
40 1968 Regional Report Surplus Deficit	5028	3883	5934	4962	5305	2887	3617	6602	7047	3225	3376	7090	6110	4857
41 1969 Regional Report Surplus Deficit	5125	3829	7368	6210	6919	4043	5394	7354	7061	8156	7695	9854	6404	4784
42 1970 Regional Report Surplus Deficit	3824	1215	5510	5158	4785	1749	3379	5184	5311	4288	4201	9031	6802	2494
43 1971 Regional Report Surplus Deficit	3731	862	4922	4394	4225	2992	5548	7854	8101	7988	7258	9645	6949	5857
44 1972 Regional Report Surplus Deficit	5843	5919	6467	5562	5075	3331	5349	8058	9055	9367	6896	9564	6413	5736
45 1973 Regional Report Surplus Deficit	5732	5875	6715	5344	5089	2807	3091	3477	3507	2107	2665	6606	1295	1358
46 1974 Regional Report Surplus Deficit	2251	401	4525	4305	4288	3993	6097	7896	8808	8556	7623	9020	6679	6081
47 1975 Regional Report Surplus Deficit	5757	5943	6426	4274	3904	1970	3552	5367	6653	3913	4126	9208	6988	5884
48 1976 Regional Report Surplus Deficit	5015	4174	6772	6569	7312	6138	5465	7524	7675	8541	7078	9710	6483	5650
49 1977 Regional Report Surplus Deficit	6054	6351	9581	5372	4382	905	586	1897	2146	1567	1905	4230	-1684	-85.3
50 1978 Regional Report Surplus Deficit	1425	-854	3150	2916	3804	2444	2900	4699	5955	7839	6056	9439	5029	4859
51 1979 Regional Report Surplus Deficit	4241	2392	7015	5404	4866	1315	465	4198	5833	3563	4765	9473	4719	101
52 1980 Regional Report Surplus Deficit	2148	-231	5008	4453	4109	550	1883	1806	3464	4961	6714	10196	6342	3169
53 1981 Regional Report Surplus Deficit	2011	340	5288	4406	4673	4578	4925	6736	5452	2005	4419	8766	6650	5152
54 1982 Regional Report Surplus Deficit	5480	5321	5953	4797	5260	2698	4284	8110	8817	8096	6400	9225	7019	6048

Regional Report Surplus Deficit By Water Year

Operating Year 2021

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Regional Report Surplus Deficit	5716	5776	7538	6399	5508	3549	4884	7296	8336	7089	5618	9013	6333	5592
56 1984 Regional Report Surplus Deficit	5547	5226	6655	5199	7775	3978	4414	6823	7323	8645	7426	9337	7056	5361
57 1985 Regional Report Surplus Deficit	5468	3103	6674	5332	5502	2848	2379	3841	4723	6456	6596	9043	4325	2024
58 1986 Regional Report Surplus Deficit	1677	194	4835	5679	6036	2964	3586	6893	8809	8421	7494	8602	5867	3628
59 1987 Regional Report Surplus Deficit	3832	253	4835	4370	4943	2923	1368	2777	5339	2553	4099	8242	4309	1654
60 1988 Regional Report Surplus Deficit	2322	99.0	4305	3933	3056	315	-1069	-411	3296	2506	3892	7194	2393	3082
61 1989 Regional Report Surplus Deficit	2948	476	4637	4082	4313	1994	-165	184	5371	5635	7620	8727	4718	2459
62 1990 Regional Report Surplus Deficit	2584	281	4779	4421	4780	3288	2949	6185	6831	5228	7642	8201	6233	4420
63 1991 Regional Report Surplus Deficit	5112	3978	5136	4196	7296	4136	4560	6285	6734	6638	5028	8651	5935	5272
64 1992 Regional Report Surplus Deficit	5573	4292	5119	4136	3743	469	562	3387	4947	1939	2365	6319	623	364
65 1993 Regional Report Surplus Deficit	1522	-453	3549	3793	3671	794	-1403	-650	4217	3703	4758	9030	5560	2942
66 1994 Regional Report Surplus Deficit	3272	937	5067	4380	4348	1223	-535	1089	4099	2407	3926	7396	4008	2326
67 1995 Regional Report Surplus Deficit	2500	-341	4640	4121	3726	1430	1703	4272	5824	6236	4460	9164	6502	4146
68 1996 Regional Report Surplus Deficit	3513	1229	5921	6015	8266	6260	6032	8373	9269	8459	8323	9683	6314	5472
69 1997 Regional Report Surplus Deficit	5534	4360	6074	4764	5077	4069	5998	7879	9013	8506	7922	9449	6305	5684
70 1998 Regional Report Surplus Deficit	5709	5946	7598	8573	6737	2881	2275	5469	5369	4743	5522	9745	6891	4482
71 1999 Regional Report Surplus Deficit	5419	2884	5508	4530	3973	3911	5342	7717	8144	6487	7093	8918	6963	5889
72 2000 Regional Report Surplus Deficit	6215	6202	6706	4819	7684	4665	3639	5319	6546	8089	7860	9276	4268	4066
73 2001 Regional Report Surplus Deficit	4973	980	4581	4537	4079	899	-247	1230	2502	1718	2107	5798	-1366	-24.3
74 2002 Regional Report Surplus Deficit	1579	-505	3298	2754	3697	1439	-51.8	1588	4148	4931	7002	8349	6368	5241
75 2003 Regional Report Surplus Deficit	3823	2117	4876	4339	4186	936	-359	1203	6096	4800	5142	8207	6349	2028
76 2004 Regional Report Surplus Deficit	2231	-241	4130	4069	4490	2473	644	931	4474	3721	4313	8163	4747	3042
77 2005 Regional Report Surplus Deficit	1833	1033	5742	4941	4531	2727	1883	4561	3655	2398	3731	8551	4998	2799
78 2006 Regional Report Surplus Deficit	3237	246	4825	3855	4371	2392	4284	5973	6366	8316	7764	9628	6546	3963
79 2007 Regional Report Surplus Deficit	3279	599	4443	3738	4911	2564	3347	4214	7398	6923	4931	8840	4896	4448
80 2008 Regional Report Surplus Deficit	3258	35.0	4065	4008	4103	1132	851	2114	4541	4421	2010	9165	7102	4897

Ranked Averages

81 Bottom 10 pct	1667	-192	4030	3996	4125	1721	1097	3041	4837	4245	4692	8385	5103	3201
82 Middle 80 pct	4034	2083	5394	4827	4953	2759	2728	4655	5984	5845	5689	8683	5410	3877
83 Top 10 pct	5864	6023	7433	5673	5549	2899	3062	5016	5432	5047	4813	8195	4694	4121

Regional Report Surplus Deficit By Water Year

Operating Year 2022

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	2813	1794	3845	2793	2535	-350	-1038	746	1930	247	1891	6081	5355	-1363
2 1930 Regional Report Surplus Deficit	1411	-1001	3553	2741	2334	-470	-1963	1312	2204	1196	2125	5866	2777	1567
3 1931 Regional Report Surplus Deficit	1632	-1225	3190	2642	2561	-326	-2665	-746	3050	1200	-1528	6864	1382	2101
4 1932 Regional Report Surplus Deficit	1807	-1244	3270	2150	1449	-350	-2033	-1572	4503	5706	5924	9506	7394	3680
5 1933 Regional Report Surplus Deficit	2940	1314	4394	2776	2354	2155	2890	4935	5362	2960	3348	8083	7874	5166
6 1934 Regional Report Surplus Deficit	4328	3761	4642	3973	6173	4867	5194	7088	7422	6613	5585	8566	5516	2194
7 1935 Regional Report Surplus Deficit	642	-1338	2553	2495	1997	233	2841	4234	5436	1121	3767	7949	6085	4109
8 1936 Regional Report Surplus Deficit	3894	291	3494	2690	2301	-506	-2233	658	2698	1760	5418	9752	7197	2507
9 1937 Regional Report Surplus Deficit	1609	-908	3289	2737	2467	-401	-2349	-641	1672	470	-1142	7179	4440	481
10 1938 Regional Report Surplus Deficit	1824	-973	3611	2670	2400	720	2462	4272	5956	5191	6445	9306	6952	3921
11 1939 Regional Report Surplus Deficit	897	-546	3903	2818	2223	-423	1113	2198	3720	3156	4659	8661	4206	2125
12 1940 Regional Report Surplus Deficit	1442	-1232	3244	2806	2806	1547	131	2391	6367	3508	3805	8392	4800	1360
13 1941 Regional Report Surplus Deficit	616	-1575	2844	2464	2202	561	-921	955	2449	-446	1274	6634	3782	768
14 1942 Regional Report Surplus Deficit	751	-1677	3319	2248	2983	2770	1954	3105	3439	1426	3409	7657	6228	4554
15 1943 Regional Report Surplus Deficit	2732	1594	4526	2915	1986	1056	3241	4946	6094	7278	6603	8941	7927	5031
16 1944 Regional Report Surplus Deficit	3203	1204	3947	2894	2552	-271	-553	969	1700	163	1614	4637	542	-889
17 1945 Regional Report Surplus Deficit	244	-1856	2294	2045	1926	-398	-1954	261	2245	138	-995	8366	6486	-102
18 1946 Regional Report Surplus Deficit	861	-971	3518	2656	2595	1477	2099	3906	5640	5716	6446	9350	6841	4538
19 1947 Regional Report Surplus Deficit	3955	3265	4693	2711	3384	4293	4418	6019	6574	4479	4460	9384	6898	4328
20 1948 Regional Report Surplus Deficit	2899	629	4457	6558	5184	2989	4066	4977	5778	3878	5693	9488	7290	4833
21 1949 Regional Report Surplus Deficit	4309	4259	5218	3324	2993	1073	1601	2641	6884	4540	6106	9645	7014	568
22 1950 Regional Report Surplus Deficit	823	-1118	2720	2467	2074	1463	3807	6640	6801	6101	5263	8578	7924	5490
23 1951 Regional Report Surplus Deficit	4415	4264	5082	4504	5797	4521	5123	7596	8031	6568	5768	9110	6958	4863
24 1952 Regional Report Surplus Deficit	3980	1159	4595	5837	4315	3026	3501	5534	6240	6193	6704	9635	7227	4113
25 1953 Regional Report Surplus Deficit	2945	230	3215	2803	2393	-283	-372	6376	4829	1974	3334	8825	7970	5149
26 1954 Regional Report Surplus Deficit	2685	2109	4635	3247	3340	2199	3147	6571	6367	4235	4592	9167	7299	5246
27 1955 Regional Report Surplus Deficit	4636	4777	7175	3395	4358	2085	479	2657	1334	1548	2426	7847	8003	5370
28 1956 Regional Report Surplus Deficit	4318	3073	4282	3731	5009	4305	4879	7068	7262	5673	6061	9372	7786	5084
29 1957 Regional Report Surplus Deficit	4008	3735	4747	3658	2966	2532	2214	2106	6194	5867	4240	9802	7821	3446
30 1958 Regional Report Surplus Deficit	2714	176	3805	2804	2541	1005	2712	4814	5555	3423	5303	9583	7552	2952
31 1959 Regional Report Surplus Deficit	2862	-280	3766	3089	4139	3860	4675	6448	6663	5375	4255	8790	7496	5057
32 1960 Regional Report Surplus Deficit	4375	4075	7621	7801	6305	3516	2768	4317	5851	7489	5460	8090	7244	4054
33 1961 Regional Report Surplus Deficit	3638	152	4009	3142	3185	1443	2456	5188	6929	4161	3559	8987	7088	2771
34 1962 Regional Report Surplus Deficit	2500	183	3538	2514	2713	1247	2220	4222	3068	6289	6287	8972	6787	3267
35 1963 Regional Report Surplus Deficit	3271	1313	3824	4034	4412	3514	3220	4933	4494	1802	3153	9000	6684	3912
36 1964 Regional Report Surplus Deficit	2839	676	4831	2744	2711	1420	912	2219	3553	4757	2909	8543	7838	5312
37 1965 Regional Report Surplus Deficit	4343	3682	5701	4288	3929	4383	5140	7404	7322	3799	6369	9177	6931	4220
38 1966 Regional Report Surplus Deficit	4213	3475	4030	3593	3168	1864	1897	3591	3956	6291	4022	7285	6331	4008
39 1967 Regional Report Surplus Deficit	3511	400	3973	2652	2440	2462	4255	6131	6318	3349	76.5	8380	7409	5047
40 1968 Regional Report Surplus Deficit	3783	2608	4658	3318	3621	1892	2935	5850	6331	1278	1897	7099	7104	4371
41 1969 Regional Report Surplus Deficit	3878	2551	6140	4566	5266	3023	4733	6641	6365	6133	6131	9599	7394	4306
42 1970 Regional Report Surplus Deficit	2569	-62.9	4228	3513	3084	750	2730	4521	4680	2342	2716	8889	7814	2049
43 1971 Regional Report Surplus Deficit	2475	-414	3640	2764	2508	1997	4887	7251	7434	5932	5664	9393	7859	5340
44 1972 Regional Report Surplus Deficit	4601	4657	5118	3913	3374	2332	4686	7388	8380	7294	5283	9308	7361	5213
45 1973 Regional Report Surplus Deficit	4490	4615	5376	3696	3393	1814	2462	2893	2932	156	1191	6608	2617	914
46 1974 Regional Report Surplus Deficit	990	-873	3174	2676	2573	2975	5412	7292	8147	6541	6065	8784	7604	5560
47 1975 Regional Report Surplus Deficit	4515	4683	5151	2665	2188	973	2868	4702	5992	1967	2642	9009	7951	5359
48 1976 Regional Report Surplus Deficit	3769	2899	5435	4911	5617	4988	4801	6810	7004	6495	5489	9443	7471	5136
49 1977 Regional Report Surplus Deficit	4733	4857	8317	3724	2670	-103	-51.7	1324	1636	-384	435	4299	-131	-530
50 1978 Regional Report Surplus Deficit	167	-2123	1892	1326	2089	1451	2271	4363	5078	5795	4523	9229	6119	4379
51 1979 Regional Report Surplus Deficit	2990	1113	5699	3754	3168	308	-170	3612	5197	1616	3274	9321	5845	-348
52 1980 Regional Report Surplus Deficit	883	-1502	3721	2818	2398	-476	1245	1240	2897	3012	5171	9919	7310	2720
53 1981 Regional Report Surplus Deficit	745	-934	3932	2773	2975	3502	4259	5997	4817	54.2	2931	8661	7620	4649
54 1982 Regional Report Surplus Deficit	4248	4057	4682	3161	3578	1705	3588	7490	8129	6037	4814	8988	8001	5526

Regional Report Surplus Deficit By Water Year

Operating Year 2022

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Regional Report Surplus Deficit	4474	4514	6231	4754	3826	2546	4204	6565	7679	5039	4097	8859	7324	5078
56 1984 Regional Report Surplus Deficit	4305	3881	5315	3555	6059	2965	3715	6077	6605	6600	5845	9153	8058	4867
57 1985 Regional Report Surplus Deficit	4224	1817	5334	3689	3815	1854	1744	3255	4102	4413	5006	8917	5471	1580
58 1986 Regional Report Surplus Deficit	405	-1065	3485	4029	4369	1966	2911	6147	8160	6376	5913	8500	6879	3175
59 1987 Regional Report Surplus Deficit	2577	-1020	3484	2753	3247	1928	730	2199	4709	603	2616	8186	5424	1210
60 1988 Regional Report Surplus Deficit	1055	-1168	3029	2307	1343	-712	-1674	-944	2717	556	2411	7206	3698	2632
61 1989 Regional Report Surplus Deficit	1613	-876	3283	2463	2604	1000	-786	-353	4739	3667	6052	8624	5840	2014
62 1990 Regional Report Surplus Deficit	1244	-1066	3429	2788	3084	2283	2306	5462	6153	3255	6057	8142	7254	3953
63 1991 Regional Report Surplus Deficit	3793	2628	3783	2580	5576	3063	3884	5641	6007	4620	3528	8516	6932	4760
64 1992 Regional Report Surplus Deficit	4325	3014	3833	2517	2028	-556	-75.0	2803	4316	-12.1	892	6331	1946	-80.1
65 1993 Regional Report Surplus Deficit	260	-1727	2287	2165	1964	-213	-1992	-1179	3614	1757	3268	8884	6625	2495
66 1994 Regional Report Surplus Deficit	1936	-417	3711	2749	2646	224	-1148	529	3504	457	2446	7396	5152	1881
67 1995 Regional Report Surplus Deficit	1234	-1619	3287	2489	2008	430	1064	3899	5031	4189	2971	9037	7496	3683
68 1996 Regional Report Surplus Deficit	2177	-126	4571	4370	6508	5115	5359	7760	8552	6414	6751	9437	7305	4962
69 1997 Regional Report Surplus Deficit	4217	3013	4722	3127	3384	3052	5321	7276	8335	6415	6350	9178	7298	5155
70 1998 Regional Report Surplus Deficit	4392	4610	6293	6915	5092	1888	1638	4779	4739	2799	4021	9480	7815	4014
71 1999 Regional Report Surplus Deficit	4100	1530	4154	2909	2254	2899	4679	7005	7479	4436	5499	8771	7932	5355
72 2000 Regional Report Surplus Deficit	4897	4866	5369	3181	5950	3581	2964	4653	5879	6062	6293	9104	5440	3601
73 2001 Regional Report Surplus Deficit	3651	-366	3237	2905	2364	-109	-881	663	1956	-233	636	5852	187	-469
74 2002 Regional Report Surplus Deficit	243	-1854	1965	1164	1983	441	-674	1020	3542	2987	5413	8274	7367	4744
75 2003 Regional Report Surplus Deficit	2562	833	3596	2764	2545	-70.9	-974	642	5458	2845	3644	8137	7323	1584
76 2004 Regional Report Surplus Deficit	885	-1586	2789	2437	2811	1479	8.18	377	3861	1775	2825	8115	5854	2593
77 2005 Regional Report Surplus Deficit	487	-318	4394	3292	2834	1729	1247	3909	3061	448	2248	8449	6096	2353
78 2006 Regional Report Surplus Deficit	1904	-1103	3475	2233	2681	1399	3590	5293	5696	6283	6194	9398	7561	3504
79 2007 Regional Report Surplus Deficit	1943	-748	3102	2137	3221	1570	2686	3607	6693	4880	3436	8697	5990	3979
80 2008 Regional Report Surplus Deficit	1921	-1309	2728	2373	2414	130	213	1538	3925	2476	539	8973	8001	4419
Ranked Averages														
81 Bottom 10 pct	383	-1482	2714	2372	2420	721	466	2464	4198	2272	3176	8286	6180	2740
82 Middle 80 pct	2761	793	4092	3232	3241	1692	2025	3984	5281	3783	4130	8550	6478	3386
83 Top 10 pct	4595	4654	5977	3729	3945	2219	2842	4722	5233	3531	3517	8018	5690	3733

Regional Report Surplus Deficit By Water Year

Operating Year 2023

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	1937	1071	3020	2014	1731	-1181	-1762	53.3	1275	280	2025	5277	3450	-1818
2 1930 Regional Report Surplus Deficit	531	-1716	2729	1962	1533	-1300	-2672	618	1549	1214	2259	5027	635	1099
3 1931 Regional Report Surplus Deficit	755	-1942	2366	1863	1761	-1163	-3359	-1450	2390	1220	-1382	6100	-857	1633
4 1932 Regional Report Surplus Deficit	932	-1962	2445	1370	642	-1184	-2737	-2280	3844	5712	6054	8936	5614	3218
5 1933 Regional Report Surplus Deficit	2065	591	3571	1997	1547	1307	2163	4072	4839	2970	3483	7413	6183	4716
6 1934 Regional Report Surplus Deficit	3439	3042	3820	3193	5358	4036	4467	6248	6778	6639	5728	7940	3678	1726
7 1935 Regional Report Surplus Deficit	-249	-2051	1727	1716	1181	-604	2113	3545	4785	1143	3903	7253	4228	3651
8 1936 Regional Report Surplus Deficit	3010	-428	2669	1911	1497	-1338	-2927	-35.0	2041	1776	5555	9168	5390	2039
9 1937 Regional Report Surplus Deficit	727	-1621	2464	1958	1667	-1236	-3054	-1341	1019	498	-997	6429	2440	15.8
10 1938 Regional Report Surplus Deficit	945	-1686	2786	1891	1596	-120	1731	3583	5305	5210	6578	8687	5119	3460
11 1939 Regional Report Surplus Deficit	4.22	-1256	3079	2039	1416	-1250	379	1511	3060	3166	4796	7983	2224	1657
12 1940 Regional Report Surplus Deficit	561	-1944	2419	2027	2006	700	-599	1703	5718	3517	3941	7699	2877	892
13 1941 Regional Report Surplus Deficit	-271	-2281	2019	1685	1402	-281	-1639	262	1792	-411	1408	5902	1828	299
14 1942 Regional Report Surplus Deficit	-126	-2395	2496	1469	2183	1923	1220	2418	2780	1444	3544	6957	4390	4103
15 1943 Regional Report Surplus Deficit	1856	871	3705	2136	1170	213	2514	4256	5444	7326	6731	8324	6192	4580
16 1944 Regional Report Surplus Deficit	2327	481	3122	2115	1748	-1101	-1282	277	1048	197	1749	3770	-1767	-1352
17 1945 Regional Report Surplus Deficit	-636	-2571	1469	1265	1124	-1234	-2655	-438	1590	171	-849	7703	4674	-563
18 1946 Regional Report Surplus Deficit	-25.4	-1685	2692	1877	1792	631	1366	3218	4986	5744	6581	8759	5015	4084
19 1947 Regional Report Surplus Deficit	3072	2546	3871	1932	2584	3456	3698	5323	5929	4489	4598	8797	5077	3873
20 1948 Regional Report Surplus Deficit	2023	-92.2	3634	5773	4372	2143	3345	4286	5127	3887	5829	8960	5552	4385
21 1949 Regional Report Surplus Deficit	3419	3538	4372	2545	2193	228	868	1954	6242	4551	6242	9074	5204	103
22 1950 Regional Report Surplus Deficit	-70.3	-1829	1896	1688	1265	616	3085	5939	6156	6117	5402	7942	6179	5036
23 1951 Regional Report Surplus Deficit	3525	3544	4261	3723	4983	3686	4415	6824	7242	6582	5904	8562	5130	4412
24 1952 Regional Report Surplus Deficit	3097	436	3772	5053	3511	2180	2778	4841	5592	6198	6829	9125	5417	3655
25 1953 Regional Report Surplus Deficit	2069	-488	2390	2023	1590	-1116	-1094	5679	4171	1989	3469	8175	6286	4699
26 1954 Regional Report Surplus Deficit	1809	1386	3813	2468	2540	1351	2419	5871	5722	4245	4730	8577	5491	4796
27 1955 Regional Report Surplus Deficit	3749	3942	6302	2616	3553	1237	-252	1971	689	1568	2560	7169	6215	4935
28 1956 Regional Report Surplus Deficit	3428	2352	3458	2952	4199	3468	4158	6359	6623	5717	6208	8840	6014	4630
29 1957 Regional Report Surplus Deficit	3124	3016	3924	2879	2165	1684	1482	1418	5543	5879	4377	9328	6053	2982
30 1958 Regional Report Surplus Deficit	1838	-544	2980	2025	1740	163	1981	4125	4902	3433	5440	9027	5740	2485
31 1959 Regional Report Surplus Deficit	1986	-999	2942	2310	3335	3020	3956	5748	6020	5386	4392	8156	5717	4609
32 1960 Regional Report Surplus Deficit	3485	3356	6744	7018	5490	2676	2040	3629	5199	7509	5578	7392	5432	3598
33 1961 Regional Report Surplus Deficit	2758	-565	3184	2363	2386	597	1726	4497	6287	4168	3693	8406	5282	2305
34 1962 Regional Report Surplus Deficit	1624	-539	2713	1735	1912	401	1488	3534	2409	6305	6417	8346	4959	2802
35 1963 Regional Report Surplus Deficit	2394	590	2999	3254	3607	2671	2496	4243	3835	1820	3287	8327	4851	3454
36 1964 Regional Report Surplus Deficit	1963	-45.8	4010	1965	1909	574	179	1531	2893	4767	3043	7901	6147	4859
37 1965 Regional Report Surplus Deficit	3453	2963	4852	3507	3127	3548	4409	6555	6681	3810	6496	8611	5115	3763
38 1966 Regional Report Surplus Deficit	3325	2755	3206	2814	2368	1016	1163	2904	3296	6305	4159	6547	4494	3551
39 1967 Regional Report Surplus Deficit	2630	-320	3149	1873	1635	1614	3535	5433	5672	3359	215	7731	5702	4601
40 1968 Regional Report Surplus Deficit	2902	1887	3837	2539	2821	1044	2205	5156	5683	1297	2031	6342	5298	3919
41 1969 Regional Report Surplus Deficit	2994	1829	5264	3784	4455	2177	4012	5938	5720	6158	6268	9056	5600	3850
42 1970 Regional Report Surplus Deficit	1693	-783	3404	2734	2284	-90.5	1999	3832	4021	2356	2851	8241	5973	1581
43 1971 Regional Report Surplus Deficit	1599	-1132	2815	1985	1703	1149	4167	6376	6794	5966	5813	8860	6166	4887
44 1972 Regional Report Surplus Deficit	3712	3934	4297	3134	2574	1484	3966	6581	7757	7323	5436	8769	5606	4761
45 1973 Regional Report Surplus Deficit	3599	3866	4556	2917	2594	967	1730	2206	2274	192	1325	5863	537	446
46 1974 Regional Report Surplus Deficit	110	-1589	2349	1897	1769	2129	4676	6418	7490	6548	6190	8204	5835	5089
47 1975 Regional Report Surplus Deficit	3624	3896	4331	1885	1384	132	2138	4012	5341	1982	2777	8398	6155	4925
48 1976 Regional Report Surplus Deficit	2890	2177	4592	4129	4802	4158	4081	6107	6362	6503	5621	8913	5679	4681
49 1977 Regional Report Surplus Deficit	3849	4021	7429	2944	1868	-938	-784	635	991	-355	571	3463	-2496	-996
50 1978 Regional Report Surplus Deficit	-712	-2836	1067	546	1285	605	1538	3673	4421	5810	4663	8640	4274	3924
51 1979 Regional Report Surplus Deficit	2114	390	4816	2975	2368	-528	-900	2925	4540	1633	3409	8670	3976	-808
52 1980 Regional Report Surplus Deficit	-0.34	-2214	2896	2039	1596	-1301	511	548	2239	3021	5308	9407	5536	2252
53 1981 Regional Report Surplus Deficit	-141	-1649	3109	1994	2176	2658	3540	5300	4159	86.5	3066	8001	5840	4198
54 1982 Regional Report Surplus Deficit	3358	3337	3861	2382	2777	858	2863	6633	7503	6068	4968	8441	6188	5071

Regional Report Surplus Deficit By Water Year

Operating Year 2023

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Regional Report Surplus Deficit	3584	3791	5352	3973	3025	1698	3483	5866	7037	5053	4237	8228	5530	4635
56 1984 Regional Report Surplus Deficit	3417	3162	4490	2776	5243	2118	2990	5381	5957	6618	5981	8522	6226	4416
57 1985 Regional Report Surplus Deficit	3341	1094	4513	2910	3015	1007	1010	2569	3442	4419	5142	8254	3585	1112
58 1986 Regional Report Surplus Deficit	-500	-1776	2660	3249	3565	1118	2181	5452	7518	6391	6056	7836	5063	2709
59 1987 Regional Report Surplus Deficit	1701	-1733	2659	1973	2448	1080	-2.84	1511	4050	630	2750	7495	3563	743
60 1988 Regional Report Surplus Deficit	169	-1874	2204	1528	541	-1537	-2384	-1651	2059	585	2545	6450	1639	2164
61 1989 Regional Report Surplus Deficit	735	-1592	2458	1684	1803	156	-1506	-1058	4081	3676	6180	7945	3974	1545
62 1990 Regional Report Surplus Deficit	359	-1778	2604	2009	2284	1435	1574	4767	5506	3268	6192	7451	5433	3492
63 1991 Regional Report Surplus Deficit	2910	1907	2958	1801	4761	2219	3164	4946	5360	4628	3663	7855	5128	4302
64 1992 Regional Report Surplus Deficit	3435	2293	3008	1738	1224	-1383	-806	2116	3657	17.1	1026	5577	-136	-547
65 1993 Regional Report Surplus Deficit	-620	-2441	1462	1386	1163	-1048	-2693	-1888	2954	1772	3403	8227	4794	2026
66 1994 Regional Report Surplus Deficit	1058	-1137	2886	1970	1847	-616	-1863	-166	2845	488	2580	6654	3268	1413
67 1995 Regional Report Surplus Deficit	354	-2333	2462	1710	1200	-410	330	2999	4531	4198	3106	8373	5680	3221
68 1996 Regional Report Surplus Deficit	1298	-846	3749	3589	5695	4281	4629	6895	7930	6453	6893	8901	5502	4511
69 1997 Regional Report Surplus Deficit	3328	2293	3900	2349	2585	2205	4589	6402	7698	6464	6479	8641	5483	4705
70 1998 Regional Report Surplus Deficit	3503	3886	5414	6130	4281	1041	903	4090	4080	2810	4157	8948	6106	3554
71 1999 Regional Report Surplus Deficit	3217	807	3329	2129	1447	2052	4006	6250	6838	4449	5638	8112	6122	4898
72 2000 Regional Report Surplus Deficit	4010	4141	4521	2403	5134	2738	2234	3963	5227	6069	6420	8483	3531	3140
73 2001 Regional Report Surplus Deficit	2772	-1078	2411	2126	1561	-945	-1609	-29.1	1301	-197	772	5047	-2178	-935
74 2002 Regional Report Surplus Deficit	-637	-2568	1140	384	1179	-400	-1395	328	2883	2999	5550	7594	5572	4294
75 2003 Regional Report Surplus Deficit	1685	110	2771	1985	1744	-906	-1690	-52.2	4803	2856	3780	7458	5529	1116
76 2004 Regional Report Surplus Deficit	-3.78	-2293	1964	1658	2010	631	-722	-320	3201	1789	2960	7414	3999	2126
77 2005 Regional Report Surplus Deficit	-404	-1037	3573	2513	2034	881	513	3220	2401	473	2382	7785	4247	1884
78 2006 Regional Report Surplus Deficit	1028	-1819	2650	1454	1881	552	2866	4601	5045	6296	6324	8830	5766	3040
79 2007 Regional Report Surplus Deficit	1063	-1460	2277	1357	2421	723	1957	2920	6048	4890	3571	8049	4143	3520
80 2008 Regional Report Surplus Deficit	1041	-2017	1903	1594	1614	-708	-518	850	3265	2489	677	8371	6251	3963
Ranked Averages														
81 Bottom 10 pct	-504	-2195	1890	1593	1617	-120	-255	1769	3543	2294	3315	7617	4335	2278
82 Middle 80 pct	1880	74.7	3263	2452	2436	851	1300	3265	4634	3802	4266	7910	4632	2927
83 Top 10 pct	3706	3892	5131	2950	3139	1375	2116	4007	4570	3552	3654	7367	3776	3282

Regional Report Surplus Deficit By Water Year

Operating Year 2024

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	1487	620	2705	1691	1393	-1579	-2124	-209	906	830	2010	4852	4223	-2200
2 1930 Regional Report Surplus Deficit	77.9	-2167	2414	1639	1192	-1699	-3049	357	1181	1778	2244	4638	1645	730
3 1931 Regional Report Surplus Deficit	303	-2393	2051	1540	1420	-1556	-3751	-1701	2026	1783	-1409	5635	250	1265
4 1932 Regional Report Surplus Deficit	481	-2413	2131	1047	307	-1579	-3120	-2527	3480	6288	6043	8277	6262	2843
5 1933 Regional Report Surplus Deficit	1615	140	3255	1673	1213	926	1804	3980	4339	3542	3467	6854	6742	4329
6 1934 Regional Report Surplus Deficit	2987	2592	3504	2870	5032	3637	4108	6133	6399	7195	5705	7337	4384	1357
7 1935 Regional Report Surplus Deficit	-708	-2502	1414	1393	855	-997	1754	3280	4413	1703	3886	6721	4953	3272
8 1936 Regional Report Surplus Deficit	2560	-879	2355	1587	1159	-1735	-3319	-297	1675	2342	5537	8523	6065	1670
9 1937 Regional Report Surplus Deficit	272	-2072	2150	1634	1325	-1631	-3436	-1595	649	1052	-1023	5950	3307	-356
10 1938 Regional Report Surplus Deficit	491	-2136	2471	1567	1259	-509	1376	3318	4933	5774	6564	8077	5820	3084
11 1939 Regional Report Surplus Deficit	-456	-1706	2763	1716	1081	-1652	27.2	1244	2696	3739	4778	7432	3074	1288
12 1940 Regional Report Surplus Deficit	106	-2395	2104	1703	1664	318	-955	1436	5344	4091	3924	7163	3668	523
13 1941 Regional Report Surplus Deficit	-729	-2731	1705	1362	1060	-669	-2007	0.41	1426	137	1393	5405	2650	-69.2
14 1942 Regional Report Surplus Deficit	-578	-2846	2180	1146	1842	1540	867	2150	2416	2009	3528	6429	5096	3717
15 1943 Regional Report Surplus Deficit	1406	420	3388	1812	845	-174	2155	3992	5070	7860	6723	7712	6795	4194
16 1944 Regional Report Surplus Deficit	1877	29.8	2807	1792	1410	-1500	-1639	14.2	677	745	1734	3408	-590	-1726
17 1945 Regional Report Surplus Deficit	-1090	-3022	1155	942	784	-1628	-3040	-694	1221	721	-876	7138	5354	-939
18 1946 Regional Report Surplus Deficit	-483	-2136	2378	1554	1453	247	1013	2951	4617	6299	6565	8121	5709	3701
19 1947 Regional Report Surplus Deficit	2622	2096	3555	1609	2242	3063	3332	5065	5550	5062	4579	8155	5766	3491
20 1948 Regional Report Surplus Deficit	1573	-544	3318	5455	4042	1760	2980	4023	4754	4461	5813	8259	6158	3997
21 1949 Regional Report Surplus Deficit	2967	3090	4056	2222	1852	-157	515	1686	5861	5122	6225	8416	5882	-269
22 1950 Regional Report Surplus Deficit	-531	-2274	1583	1364	932	233	2721	5685	5778	6684	5382	7349	6792	4654
23 1951 Regional Report Surplus Deficit	3074	3095	3944	3401	4656	3292	4037	6642	7008	7150	5887	7881	5825	4026
24 1952 Regional Report Surplus Deficit	2647	-15.2	3456	4735	3173	1797	2415	4579	5217	6776	6824	8406	6095	3276
25 1953 Regional Report Surplus Deficit	1619	-939	2077	1700	1251	-1512	-1458	5422	3806	2556	3453	7596	6838	4313
26 1954 Regional Report Surplus Deficit	1358	935	3497	2145	2198	969	2061	5617	5344	4818	4711	7938	6167	4409
27 1955 Regional Report Surplus Deficit	3299	3595	5985	2292	3217	856	-607	1703	311	2131	2545	6619	6871	4533
28 1956 Regional Report Surplus Deficit	2977	1902	3142	2629	3867	3075	3792	6114	6239	6256	6180	8143	6654	4247
29 1957 Regional Report Surplus Deficit	2674	2566	3608	2556	1824	1303	1127	1152	5170	6450	4359	8574	6689	2610
30 1958 Regional Report Surplus Deficit	1388	-996	2665	1702	1400	-225	1625	3860	4531	4006	5422	8355	6419	2115
31 1959 Regional Report Surplus Deficit	1536	-1450	2627	1986	2997	2631	3589	5494	5640	5957	4374	7562	6364	4221
32 1960 Regional Report Surplus Deficit	3034	2907	6426	6698	5164	2287	1682	3363	4828	8071	5579	6861	6112	3217
33 1961 Regional Report Surplus Deficit	2308	-1017	2869	2039	2044	214	1370	4233	5906	4744	3678	7758	5956	1934
34 1962 Regional Report Surplus Deficit	1173	-990	2398	1411	1571	17.4	1134	3268	2044	6871	6406	7744	5655	2430
35 1963 Regional Report Surplus Deficit	1944	139	2685	2931	3270	2285	2134	3978	3470	2385	3272	7771	5552	3075
36 1964 Regional Report Surplus Deficit	1513	-497	3693	1642	1569	191	-174	1264	2529	5340	3028	7314	6706	4475
37 1965 Regional Report Surplus Deficit	3002	2513	4535	3185	2787	3154	4054	6449	6298	4382	6488	7949	5799	3383
38 1966 Regional Report Surplus Deficit	2874	2306	2891	2491	2026	635	811	2636	2933	6874	4141	6057	5199	3171
39 1967 Regional Report Surplus Deficit	2181	-771	2833	1550	1299	1233	3169	5177	5294	3932	196	7151	6277	4210
40 1968 Regional Report Surplus Deficit	2452	1436	3521	2216	2479	662	1848	4895	5308	1861	2016	5870	5972	3534
41 1969 Regional Report Surplus Deficit	2544	1379	4947	3463	4125	1794	3647	5687	5341	6715	6250	8370	6261	3469
42 1970 Regional Report Surplus Deficit	1242	-1234	3089	2411	1942	-479	1644	3566	3657	2925	2836	7661	6682	1213
43 1971 Regional Report Surplus Deficit	1147	-1583	2501	1662	1366	767	3801	6296	6410	6515	5783	8165	6727	4503
44 1972 Regional Report Surplus Deficit	3260	3485	3981	2811	2232	1103	3599	6433	7357	7876	5402	8080	6229	4376
45 1973 Regional Report Surplus Deficit	3148	3439	4240	2594	2252	584	1376	1938	1908	739	1310	5380	1484	76.9
46 1974 Regional Report Surplus Deficit	-344	-2040	2035	1574	1432	1746	4326	6338	7124	7124	6185	7556	6472	4723
47 1975 Regional Report Surplus Deficit	3173	3505	4014	1562	1046	-256	1782	3747	4969	2549	2762	7780	6818	4522
48 1976 Regional Report Surplus Deficit	2440	1727	4276	3808	4475	3759	3714	5855	5981	7077	5608	8214	6339	4300
49 1977 Regional Report Surplus Deficit	3400	3674	7110	2621	1529	-1333	-1138	370	612	199	554	3070	-1263	-1367
50 1978 Regional Report Surplus Deficit	-1165	-3287	756	224	947	221	1185	3408	4054	6377	4643	8000	4987	3542
51 1979 Regional Report Surplus Deficit	1664	-61.5	4500	2652	2026	-922	-1256	2657	4174	2199	3393	8093	4713	-1185
52 1980 Regional Report Surplus Deficit	-456	-2664	2581	1715	1256	-1706	159	286	1873	3594	5290	8690	6178	1883
53 1981 Regional Report Surplus Deficit	-597	-2100	2793	1671	1834	2272	3173	5042	3793	637	3051	7433	6488	3812
54 1982 Regional Report Surplus Deficit	2907	2888	3544	2058	2436	475	2502	6535	7105	6620	4934	7759	6869	4689

Regional Report Surplus Deficit By Water Year

Operating Year 2024

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Regional Report Surplus Deficit	3133	3343	5036	3652	2684	1316	3118	5610	6656	5622	4216	7630	6192	4241
56 1984 Regional Report Surplus Deficit	2967	2713	4174	2453	4918	1735	2629	5122	5581	7182	5964	7924	6926	4030
57 1985 Regional Report Surplus Deficit	2891	642	4197	2586	2673	624	658	2301	3079	4996	5126	7688	4339	743
58 1986 Regional Report Surplus Deficit	-962	-2221	2346	2926	3227	737	1825	5192	7137	6959	6032	7271	5746	2338
59 1987 Regional Report Surplus Deficit	1250	-2184	2344	1650	2106	698	-357	1244	3686	1185	2735	6957	4292	373
60 1988 Regional Report Surplus Deficit	-288	-2324	1891	1205	202	-1941	-2760	-1899	1694	1138	2530	5978	2566	1795
61 1989 Regional Report Surplus Deficit	283	-2043	2144	1361	1462	-229	-1872	-1307	3716	4250	6172	7396	4708	1177
62 1990 Regional Report Surplus Deficit	-96.7	-2229	2290	1685	1942	1053	1220	4508	5130	3838	6176	6914	6122	3116
63 1991 Regional Report Surplus Deficit	2460	1457	2643	1478	4434	1834	2798	4686	4983	5203	3648	7287	5800	3923
64 1992 Regional Report Surplus Deficit	2983	1843	2693	1415	886	-1786	-1161	1848	3293	571	1011	5102	814	-917
65 1993 Regional Report Surplus Deficit	-1074	-2892	1150	1063	822	-1443	-3078	-2134	2590	2339	3387	7655	5493	1658
66 1994 Regional Report Surplus Deficit	606	-1588	2571	1647	1505	-1006	-2234	-426	2481	1039	2565	6168	4020	1044
67 1995 Regional Report Surplus Deficit	-99.8	-2783	2147	1386	866	-800	-22.1	2945	4007	4772	3091	7808	6364	2846
68 1996 Regional Report Surplus Deficit	845	-1297	3433	3267	5366	3886	4272	6805	7528	6996	6871	8208	6173	4125
69 1997 Regional Report Surplus Deficit	2877	1842	3584	2025	2243	1822	4235	6321	7312	6998	6470	7949	6166	4318
70 1998 Regional Report Surplus Deficit	3052	3437	5098	5813	3950	658	552	3825	3716	3382	4140	8252	6683	3177
71 1999 Regional Report Surplus Deficit	2767	355	3014	1806	1113	1670	3592	6050	6456	5019	5618	7543	6800	4518
72 2000 Regional Report Surplus Deficit	3561	3692	4204	2079	4808	2352	1877	3698	4855	6645	6412	7876	4308	2765
73 2001 Regional Report Surplus Deficit	2323	-1528	2098	1803	1222	-1339	-1967	-292	933	350	755	4623	-945	-1306
74 2002 Regional Report Surplus Deficit	-1091	-3019	829	61.5	841	-789	-1760	65.4	2519	3570	5533	7046	6235	3907
75 2003 Regional Report Surplus Deficit	1234	-341	2457	1661	1403	-1300	-2060	-312	4435	3428	3764	6908	6190	747
76 2004 Regional Report Surplus Deficit	-462	-2744	1652	1334	1669	249	-1078	-577	2838	2358	2945	6886	4722	1756
77 2005 Regional Report Surplus Deficit	-863	-1488	3256	2190	1692	500	161	2954	2037	1031	2367	7221	4963	1516
78 2006 Regional Report Surplus Deficit	576	-2270	2336	1131	1539	169	2504	4339	4673	6865	6314	8169	6429	2667
79 2007 Regional Report Surplus Deficit	609	-1911	1964	1035	2079	341	1600	2652	5670	5462	3556	7468	4858	3142
80 2008 Regional Report Surplus Deficit	587	-2468	1591	1270	1273	-1099	-873	584	2902	3058	658	7745	6869	3582
Ranked Averages														
81 Bottom 10 pct	-960	-2645	1576	1270	1279	-508	-620	1509	3175	2855	3296	7057	5048	1903
82 Middle 80 pct	1428	-376	2948	2129	2099	463	939	3029	4258	4366	4249	7321	5346	2550
83 Top 10 pct	3256	3479	4814	2627	2803	989	1756	3768	4209	4114	3636	6789	4558	2897

Regional Report Surplus Deficit By Water Year

Operating Year 2025

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	1149	181	2343	1378	1059	-1892	-2462	-642	617	-578	1016	4385	2683	-2562
2 1930 Regional Report Surplus Deficit	-256	-2607	2051	1326	861	-2011	-3372	-77.0	892	356	1249	4136	-133	355
3 1931 Regional Report Surplus Deficit	-32.5	-2832	1688	1227	1089	-1873	-4059	-2145	1732	362	-2391	5209	-1625	890
4 1932 Regional Report Surplus Deficit	144	-2852	1768	734	-30.0	-1894	-3437	-2975	3186	4854	5045	8045	4846	2474
5 1933 Regional Report Surplus Deficit	1277	-299	2894	1361	875	597	1463	3377	4181	2112	2474	6521	5415	3972
6 1934 Regional Report Surplus Deficit	2651	2152	3143	2557	4686	3326	3767	5553	6120	5781	4719	7049	2911	982
7 1935 Regional Report Surplus Deficit	-1036	-2941	1050	1080	509	-1315	1413	2850	4127	285	2893	6361	3460	2908
8 1936 Regional Report Surplus Deficit	2222	-1318	1992	1275	825	-2049	-3627	-730	1383	918	4546	8277	4623	1295
9 1937 Regional Report Surplus Deficit	-60.9	-2511	1787	1321	995	-1946	-3754	-2036	361	-360	-2007	5538	1673	-728
10 1938 Regional Report Surplus Deficit	157	-2576	2109	1255	924	-830	1031	2888	4647	4352	5569	7796	4352	2717
11 1939 Regional Report Surplus Deficit	-784	-2146	2402	1403	744	-1960	-321	815	2402	2308	3787	7092	1457	913
12 1940 Regional Report Surplus Deficit	-227	-2834	1741	1391	1334	-10.7	-1299	1008	5060	2659	2932	6808	2109	148
13 1941 Regional Report Surplus Deficit	-1059	-3171	1342	1049	730	-991	-2339	-433	1135	-1269	399	5011	1060	-444
14 1942 Regional Report Surplus Deficit	-914	-3285	1819	833	1511	1213	520	1723	2122	586	2535	6066	3622	3359
15 1943 Regional Report Surplus Deficit	1068	-18.7	3028	1500	498	-498	1815	3561	4786	6468	5722	7432	5424	3836
16 1944 Regional Report Surplus Deficit	1539	-409	2445	1479	1076	-1811	-1982	-418	390	-661	740	2879	-2534	-2096
17 1945 Regional Report Surplus Deficit	-1424	-3461	792	629	452	-1945	-3355	-1133	932	-687	-1858	6811	3907	-1307
18 1946 Regional Report Surplus Deficit	-813	-2576	2015	1241	1120	-79.4	666	2523	4328	4886	5572	7868	4248	3341
19 1947 Regional Report Surplus Deficit	2284	1655	3194	1296	1913	2746	2998	4628	5271	3631	3589	7906	4310	3129
20 1948 Regional Report Surplus Deficit	1235	-982	2957	5137	3700	1432	2645	3591	4469	3029	4820	8069	4784	3641
21 1949 Regional Report Surplus Deficit	2631	2648	3695	1909	1521	-482	168	1259	5584	3693	5232	8183	4436	-641
22 1950 Regional Report Surplus Deficit	-858	-2719	1219	1051	593	-94.8	2385	5243	5498	5259	4392	7051	5412	4293
23 1951 Regional Report Surplus Deficit	2737	2653	3584	3087	4311	2975	3715	6129	6584	5724	4895	7671	4363	3668
24 1952 Regional Report Surplus Deficit	2309	-454	3095	4417	2839	1470	2078	4146	4934	5339	5820	8234	4650	2911
25 1953 Regional Report Surplus Deficit	1281	-1378	1712	1387	918	-1826	-1794	4984	3513	1131	2459	7284	5518	3956
26 1954 Regional Report Surplus Deficit	1021	496	3135	1832	1868	640	1719	5176	5064	3387	3720	7686	4723	4053
27 1955 Regional Report Surplus Deficit	2961	3052	5625	1979	2881	527	-952	1275	31.1	710	1551	6278	5448	4191
28 1956 Regional Report Surplus Deficit	2640	1462	2781	2316	3527	2758	3458	5663	5965	4858	5198	7949	5246	3886
29 1957 Regional Report Surplus Deficit	2337	2126	3247	2243	1493	974	782	723	4886	5021	3367	8437	5285	2238
30 1958 Regional Report Surplus Deficit	1050	-1435	2303	1389	1068	-548	1281	3430	4244	2575	4431	8136	4972	1741
31 1959 Regional Report Surplus Deficit	1199	-1889	2265	1674	2663	2310	3256	5052	5362	4528	3383	7265	4949	3866
32 1960 Regional Report Surplus Deficit	2698	2466	6066	6382	4818	1965	1340	2933	4541	6651	4569	6501	4665	2855
33 1961 Regional Report Surplus Deficit	1970	-1456	2507	1727	1714	-113	1026	3802	5629	3310	2683	7514	4514	1561
34 1962 Regional Report Surplus Deficit	836	-1429	2036	1098	1240	-309	788	2839	1751	5447	5408	7454	4191	2058
35 1963 Regional Report Surplus Deficit	1606	-300	2322	2618	2935	1961	1796	3548	3177	962	2278	7436	4083	2710
36 1964 Regional Report Surplus Deficit	1175	-936	3332	1329	1237	-136	-521	836	2235	3909	2034	7010	5379	4115
37 1965 Regional Report Surplus Deficit	2665	2073	4175	2871	2455	2838	3709	5860	6023	2951	5487	7720	4348	3020
38 1966 Regional Report Surplus Deficit	2537	1865	2529	2178	1696	306	463	2209	2638	5447	3149	5655	3726	2807
39 1967 Regional Report Surplus Deficit	1842	-1210	2471	1237	963	904	2835	4738	5014	2501	-794	6840	4934	3857
40 1968 Regional Report Surplus Deficit	2114	997	3159	1903	2149	334	1505	4461	5025	439	1021	5450	4530	3175
41 1969 Regional Report Surplus Deficit	2206	939	4586	3148	3783	1467	3312	5243	5062	5300	5258	8165	4832	3106
42 1970 Regional Report Surplus Deficit	905	-1673	2727	2098	1612	-801	1299	3137	3363	1498	1841	7350	5205	838
43 1971 Regional Report Surplus Deficit	811	-2022	2138	1349	1031	439	3467	5681	6137	5108	4804	7968	5398	4143
44 1972 Regional Report Surplus Deficit	2924	3044	3620	2498	1902	774	3266	5885	7099	6465	4426	7878	4839	4017
45 1973 Regional Report Surplus Deficit	2812	2976	3879	2281	1922	257	1030	1511	1616	-666	316	4972	-231	-298
46 1974 Regional Report Surplus Deficit	-678	-2479	1672	1261	1098	1418	3976	5723	6832	5690	5181	7312	5067	4345
47 1975 Regional Report Surplus Deficit	2836	3006	3654	1249	712	-579	1438	3317	4683	1124	1767	7506	5387	4181
48 1976 Regional Report Surplus Deficit	2102	1287	3915	3493	4130	3447	3381	5412	5704	5645	4611	8022	4911	3937
49 1977 Regional Report Surplus Deficit	3061	3131	6752	2308	1196	-1649	-1484	-60.7	333	-1213	-438	2572	-3263	-1740
50 1978 Regional Report Surplus Deficit	-1500	-3726	390	-90.2	613	-106	838	2978	3763	4952	3654	7749	3507	3180
51 1979 Regional Report Surplus Deficit	1326	-500	4139	2339	1696	-1238	-1600	2230	3882	775	2400	7779	3208	-1552
52 1980 Regional Report Surplus Deficit	-788	-3104	2219	1403	924	-2012	-189	-148	1582	2163	4299	8515	4768	1508
53 1981 Regional Report Surplus Deficit	-928	-2540	2431	1358	1504	1948	2840	4605	3501	-772	2057	7109	5072	3454
54 1982 Regional Report Surplus Deficit	2571	2447	3183	1746	2105	147	2163	5938	6845	5210	3959	7550	5421	4327

Regional Report Surplus Deficit By Water Year

Operating Year 2025

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Regional Report Surplus Deficit	2796	2901	4675	3337	2354	988	2783	5171	6379	4195	3228	7337	4762	3891
56 1984 Regional Report Surplus Deficit	2629	2272	3813	2140	4572	1407	2290	4686	5299	5760	4972	7631	5458	3672
57 1985 Regional Report Surplus Deficit	2553	203	3836	2274	2343	296	310	1873	2785	3561	4133	7363	2818	368
58 1986 Regional Report Surplus Deficit	-1288	-2666	1983	2613	2893	408	1481	4756	6860	5533	5046	6945	4296	1965
59 1987 Regional Report Surplus Deficit	913	-2623	1981	1337	1776	370	-703	816	3392	-228	1741	6604	2795	-0.88
60 1988 Regional Report Surplus Deficit	-619	-2764	1527	892	-131	-2247	-3084	-2346	1401	-273	1536	5559	871	1421
61 1989 Regional Report Surplus Deficit	-52.5	-2482	1781	1048	1131	-555	-2206	-1753	3423	2818	5170	7054	3206	801
62 1990 Regional Report Surplus Deficit	-428	-2668	1927	1373	1612	724	874	4071	4848	2410	5183	6560	4665	2748
63 1991 Regional Report Surplus Deficit	2122	1017	2281	1165	4089	1508	2464	4250	4702	3770	2654	6964	4360	3558
64 1992 Regional Report Surplus Deficit	2647	1403	2331	1102	552	-2094	-1506	1421	3000	-841	16.9	4686	-904	-1291
65 1993 Regional Report Surplus Deficit	-1408	-3331	785	750	491	-1759	-3393	-2583	2296	914	2393	7336	4026	1282
66 1994 Regional Report Surplus Deficit	270	-2027	2209	1334	1175	-1327	-2563	-861	2187	-370	1570	5763	2500	670
67 1995 Regional Report Surplus Deficit	-434	-3223	1785	1074	528	-1120	-370	2304	3873	3340	2096	7482	4912	2477
68 1996 Regional Report Surplus Deficit	510	-1736	3072	2953	5023	3571	3929	6200	7272	5595	5884	8010	4734	3767
69 1997 Regional Report Surplus Deficit	2541	1402	3223	1712	1913	1495	3889	5706	7040	5605	5469	7750	4715	3961
70 1998 Regional Report Surplus Deficit	2715	2996	4737	5494	3609	330	204	3394	3422	1952	3148	8057	5338	2811
71 1999 Regional Report Surplus Deficit	2429	-83.5	2652	1493	775	1341	3306	5555	6180	3591	4629	7221	5354	4155
72 2000 Regional Report Surplus Deficit	3222	3251	3844	1766	4462	2028	1534	3268	4569	5211	5410	7592	2763	2396
73 2001 Regional Report Surplus Deficit	1984	-1968	1734	1490	889	-1655	-2309	-724	643	-1055	-237	4155	-2946	-1678
74 2002 Regional Report Surplus Deficit	-1425	-3458	463	-252	507	-1110	-2095	-367	2225	2141	4541	6702	4804	3551
75 2003 Regional Report Surplus Deficit	898	-780	2094	1349	1072	-1617	-2390	-747	4145	1998	2771	6567	4761	372
76 2004 Regional Report Surplus Deficit	-792	-3183	1287	1022	1338	-79.2	-1422	-1016	2543	931	1950	6523	3231	1382
77 2005 Regional Report Surplus Deficit	-1192	-1927	2895	1877	1362	171	-187	2525	1743	-385	1373	6894	3479	1140
78 2006 Regional Report Surplus Deficit	240	-2709	1972	818	1209	-159	2166	3906	4387	5438	5315	7938	4998	2297
79 2007 Regional Report Surplus Deficit	275	-2350	1600	721	1749	12.5	1257	2224	5390	4032	2562	7158	3376	2776
80 2008 Regional Report Surplus Deficit	253	-2907	1226	958	943	-1419	-1218	155	2607	1631	-332	7480	5483	3220
Ranked Averages														
81 Bottom 10 pct	-1291	-3085	1213	957	945	-831	-954	1074	2885	1436	2305	6726	3567	1534
82 Middle 80 pct	1092	-815	2586	1816	1764	141	601	2570	3976	2944	3256	7018	3865	2183
83 Top 10 pct	2919	3002	4454	2313	2467	665	1416	3312	3912	2694	2644	6476	3008	2538

Regional Report Surplus Deficit By Water Year

Operating Year 2026

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	784	-222	2062	1072	721	-2862	-3596	-1770	-504	-1013	660	3806	2714	-3761
2 1930 Regional Report Surplus Deficit	-624	-3009	1770	1020	520	-2982	-4521	-1204	-230	-65.1	893	3592	136	-831
3 1931 Regional Report Surplus Deficit	-399	-3235	1407	921	747	-2838	-5223	-3262	616	-60.5	-2759	4589	-1259	-297
4 1932 Regional Report Surplus Deficit	-221	-3254	1487	428	-365	-2862	-4592	-4088	2069	4445	4693	7231	4753	1282
5 1933 Regional Report Surplus Deficit	912	-702	2612	1055	540	-357	332	2419	2928	1699	2117	5808	5233	2768
6 1934 Regional Report Surplus Deficit	2285	1751	2860	2252	4359	2354	2636	4572	4989	5352	4354	6291	2875	-204
7 1935 Regional Report Surplus Deficit	-1410	-3344	770	774	183	-2279	283	1719	3003	-140	2535	5675	3444	1711
8 1936 Regional Report Surplus Deficit	1858	-1721	1711	969	487	-3018	-4791	-1858	265	499	4186	7477	4556	109
9 1937 Regional Report Surplus Deficit	-431	-2914	1506	1015	653	-2914	-4907	-3156	-761	-791	-2373	4904	1798	-1917
10 1938 Regional Report Surplus Deficit	-211	-2978	1827	949	586	-1792	-96.0	1757	3522	3930	5214	7031	4311	1523
11 1939 Regional Report Surplus Deficit	-1158	-2548	2119	1097	409	-2935	-1445	-317	1286	1896	3427	6386	1565	-273
12 1940 Regional Report Surplus Deficit	-596	-3237	1460	1085	992	-965	-2427	-125	3933	2247	2573	6117	2159	-1038
13 1941 Regional Report Surplus Deficit	-1431	-3572	1061	743	388	-1951	-3479	-1561	15.6	-1707	42.2	4359	1141	-1630
14 1942 Regional Report Surplus Deficit	-1280	-3688	1536	527	1169	258	-605	589	1006	165	2177	5383	3587	2156
15 1943 Regional Report Surplus Deficit	704	-421	2744	1194	172	-1456	683	2431	3660	6017	5372	6666	5286	2633
16 1944 Regional Report Surplus Deficit	1175	-812	2163	1173	738	-2783	-3111	-1547	-733	-1098	383	2362	-2099	-3287
17 1945 Regional Report Surplus Deficit	-1792	-3864	511	323	112	-2910	-4512	-2255	-189	-1122	-2227	6092	3845	-2500
18 1946 Regional Report Surplus Deficit	-1185	-2978	1734	935	781	-1035	-459	1390	3207	4455	5215	7075	4200	2140
19 1947 Regional Report Surplus Deficit	1920	1254	2911	990	1570	1781	1860	3504	4140	3218	3229	7109	4257	1930
20 1948 Regional Report Surplus Deficit	871	-1385	2674	4837	3370	477	1508	2462	3344	2618	4462	7213	4649	2435
21 1949 Regional Report Surplus Deficit	2265	2248	3412	1603	1179	-1440	-957	125	4450	3279	4875	7370	4373	-1830
22 1950 Regional Report Surplus Deficit	-1234	-3116	939	746	260	-1049	1249	4124	4367	4841	4031	6303	5283	3092
23 1951 Regional Report Surplus Deficit	2371	2253	3300	2783	3983	2009	2565	5081	5597	5307	4537	6835	4316	2465
24 1952 Regional Report Surplus Deficit	1944	-857	2812	4116	2501	514	943	3018	3806	4932	5473	7360	4586	1715
25 1953 Regional Report Surplus Deficit	917	-1781	1433	1081	579	-2795	-2930	3861	2396	713	2103	6550	5329	2751
26 1954 Regional Report Surplus Deficit	656	93.6	2853	1526	1526	-314	589	4056	3934	2975	3360	6892	4658	2848
27 1955 Regional Report Surplus Deficit	2596	2753	5341	1673	2544	-427	-2079	142	-1100	288	1195	5573	5362	2972
28 1956 Regional Report Surplus Deficit	2274	1061	2498	2010	3195	1792	2320	4552	4828	4413	4829	7097	5145	2686
29 1957 Regional Report Surplus Deficit	1972	1725	2964	1937	1152	20.0	-344	-409	3760	4606	3008	7528	5180	1048
30 1958 Regional Report Surplus Deficit	685	-1837	2021	1083	727	-1507	154	2299	3121	2163	4072	7308	4911	554
31 1959 Regional Report Surplus Deficit	834	-2292	1983	1368	2325	1348	2117	3932	4229	4114	3024	6516	4855	2659
32 1960 Regional Report Surplus Deficit	2332	2065	5782	6080	4491	1004	210	1802	3417	6228	4228	5815	4603	1656
33 1961 Regional Report Surplus Deficit	1606	-1858	2225	1420	1371	-1069	-102	2672	4495	2900	2327	6712	4447	373
34 1962 Regional Report Surplus Deficit	470	-1832	1754	793	899	-1265	-338	1707	634	5028	5056	6698	4146	869
35 1963 Regional Report Surplus Deficit	1242	-703	2041	2313	2598	1002	662	2417	2060	542	1921	6725	4043	1513
36 1964 Regional Report Surplus Deficit	811	-1339	3049	1023	896	-1092	-1646	-297	1119	3496	1677	6268	5197	2914
37 1965 Regional Report Surplus Deficit	2300	1672	3891	2566	2115	1871	2582	4888	4888	2539	5138	6903	4290	1822
38 1966 Regional Report Surplus Deficit	2172	1464	2247	1872	1354	-648	-661	1075	1522	5030	2790	5011	3690	1610
39 1967 Regional Report Surplus Deficit	1478	-1613	2189	931	626	-49.9	1697	3616	3884	2088	-1155	6105	4768	2649
40 1968 Regional Report Surplus Deficit	1750	594	2877	1597	1807	-620	377	3334	3897	17.6	665	4824	4463	1973
41 1969 Regional Report Surplus Deficit	1841	537	4303	2844	3452	511	2175	4126	3931	4872	4899	7324	4753	1908
42 1970 Regional Report Surplus Deficit	540	-2076	2445	1792	1270	-1762	172	2005	2246	1082	1485	6615	5173	-349
43 1971 Regional Report Surplus Deficit	445	-2425	1857	1043	694	-515	2329	4735	5000	4671	4432	7119	5218	2942
44 1972 Regional Report Surplus Deficit	2558	2644	3337	2192	1560	-180	2128	4872	5946	6033	4051	7034	4720	2815
45 1973 Regional Report Surplus Deficit	2446	2597	3596	1975	1579	-698	-96.1	377	498	-1104	-40.6	4334	-24.5	-1484
46 1974 Regional Report Surplus Deficit	-1046	-2882	1391	955	759	463	2854	4777	5714	5281	4834	6510	4963	3162
47 1975 Regional Report Surplus Deficit	2471	2664	3370	944	374	-1539	310	2186	3558	706	1411	6734	5310	2961
48 1976 Regional Report Surplus Deficit	1738	885	3632	3189	3803	2476	2242	4294	4571	5234	4257	7168	4830	2738
49 1977 Regional Report Surplus Deficit	2698	2833	6466	2002	856	-2615	-2610	-1191	-798	-1645	-797	2024	-2772	-2928
50 1978 Regional Report Surplus Deficit	-1867	-4128	112	-395	275	-1061	-287	1847	2644	4534	3292	6954	3478	1981
51 1979 Regional Report Surplus Deficit	962	-903	3856	2033	1354	-2204	-2728	1096	2764	356	2043	7047	3204	-2746
52 1980 Regional Report Surplus Deficit	-1159	-3506	1937	1097	584	-2988	-1313	-1275	463	1751	3939	7644	4669	322
53 1981 Regional Report Surplus Deficit	-1300	-2942	2149	1052	1161	990	1701	3481	2383	-1206	1700	6387	4979	2251
54 1982 Regional Report Surplus Deficit	2205	2046	2900	1440	1764	-808	1030	4974	5695	4776	3583	6713	5360	3128

Regional Report Surplus Deficit By Water Year

Operating Year 2026

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Regional Report Surplus Deficit	2431	2501	4392	3033	2012	33.8	1646	4049	5246	3779	2866	6584	4683	2680
56 1984 Regional Report Surplus Deficit	2264	1871	3530	1834	4245	453	1157	3561	4171	5339	4613	6878	5417	2469
57 1985 Regional Report Surplus Deficit	2189	-199	3553	1968	2001	-658	-814	740	1669	3153	3775	6642	2830	-818
58 1986 Regional Report Surplus Deficit	-1664	-3063	1702	2307	2555	-546	353	3631	5726	5116	4681	6225	4238	777
59 1987 Regional Report Surplus Deficit	548	-3026	1700	1031	1433	-584	-1828	-317	2275	-658	1384	5911	2783	-1189
60 1988 Regional Report Surplus Deficit	-990	-3166	1247	586	-471	-3224	-4232	-3460	284	-705	1180	4932	1057	234
61 1989 Regional Report Surplus Deficit	-419	-2885	1500	742	790	-1512	-3344	-2868	2306	2407	4821	6350	3199	-384
62 1990 Regional Report Surplus Deficit	-799	-3070	1646	1067	1270	-230	-252	2947	3720	1994	4825	5868	4613	1555
63 1991 Regional Report Surplus Deficit	1757	615	1999	859	3762	551	1326	3125	3573	3360	2297	6241	4291	2362
64 1992 Regional Report Surplus Deficit	2281	1002	2049	796	214	-3068	-2633	287	1883	-1273	-340	4056	-695	-2478
65 1993 Regional Report Surplus Deficit	-1776	-3734	506	444	150	-2725	-4550	-3695	1180	496	2037	6609	3984	96.6
66 1994 Regional Report Surplus Deficit	-96.3	-2430	1927	1028	832	-2289	-3706	-1987	1070	-804	1214	5122	2511	-517
67 1995 Regional Report Surplus Deficit	-802	-3625	1503	768	194	-2082	-1494	1384	2597	2928	1740	6762	4855	1285
68 1996 Regional Report Surplus Deficit	143	-2139	2789	2649	4694	2603	2800	5244	6118	5153	5520	7162	4664	2564
69 1997 Regional Report Surplus Deficit	2175	1001	2940	1406	1570	540	2763	4760	5901	5154	5119	6903	4657	2757
70 1998 Regional Report Surplus Deficit	2350	2596	4454	5194	3278	-625	-920	2264	2305	1539	2789	7206	5174	1616
71 1999 Regional Report Surplus Deficit	2065	-486	2370	1187	440	387	2120	4489	5046	3176	4268	6497	5291	2957
72 2000 Regional Report Surplus Deficit	2858	2851	3561	1460	4136	1069	406	2137	3445	4802	5061	6830	2799	1203
73 2001 Regional Report Surplus Deficit	1620	-2370	1454	1184	550	-2622	-3439	-1853	-478	-1494	-595	3577	-2454	-2867
74 2002 Regional Report Surplus Deficit	-1793	-3861	185	-557	169	-2071	-3232	-1496	1109	1727	4182	6000	4726	2346
75 2003 Regional Report Surplus Deficit	532	-1183	1813	1043	731	-2583	-3532	-1873	3025	1584	2413	5862	4681	-814
76 2004 Regional Report Surplus Deficit	-1165	-3585	1008	716	997	-1033	-2550	-2138	1427	515	1594	5840	3213	195
77 2005 Regional Report Surplus Deficit	-1566	-2329	2612	1571	1020	-783	-1311	1393	627	-812	1017	6175	3454	-45.3
78 2006 Regional Report Surplus Deficit	-126	-3112	1692	512	867	-1113	1032	2777	3262	5022	4963	7123	4920	1106
79 2007 Regional Report Surplus Deficit	-93.8	-2753	1320	416	1407	-942	128	1091	4260	3619	2205	6422	3349	1581
80 2008 Regional Report Surplus Deficit	-115	-3309	947	652	600	-2382	-2345	-977	1491	1215	-692	6699	5360	2021
Ranked Averages														
81 Bottom 10 pct	-1662	-3487	932	651	606	-1791	-2092	-52.0	1764	1011	1945	6011	3539	342
82 Middle 80 pct	725	-1218	2304	1510	1426	-820	-533	1468	2847	2523	2899	6275	3837	988
83 Top 10 pct	2554	2637	4170	2008	2131	-293	284	2207	2799	2271	2285	5743	3049	1335

Regional Report Surplus Deficit By Water Year

Operating Year 2027

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	-411	-1421	956	-39.2	-317	-3316	-3963	-2075	-746	-804	374	3368	1188	-4184
2 1930 Regional Report Surplus Deficit	-1817	-4208	664	-90.7	-515	-3435	-4873	-1510	-472	130	607	3119	-1628	-1267
3 1931 Regional Report Surplus Deficit	-1593	-4434	301	-190	-287	-3297	-5560	-3578	369	135	-3033	4191	-3120	-732
4 1932 Regional Report Surplus Deficit	-1417	-4453	381	-683	-1406	-3318	-4937	-4408	1823	4628	4403	7027	3351	852
5 1933 Regional Report Surplus Deficit	-283	-1901	1507	-56.1	-501	-827	-37.9	1944	2818	1885	1832	5504	3920	2351
6 1934 Regional Report Surplus Deficit	1090	550	1756	1140	3310	1902	2267	4120	4757	5555	4077	6032	1416	-639
7 1935 Regional Report Surplus Deficit	-2597	-4543	-337	-337	-867	-2739	-87.9	1417	2764	58.5	2251	5344	1965	1286
8 1936 Regional Report Surplus Deficit	662	-2920	604	-142	-551	-3473	-5128	-2163	19.7	692	3904	7260	3128	-326
9 1937 Regional Report Surplus Deficit	-1621	-4113	399	-95.4	-381	-3371	-5255	-3469	-1002	-586	-2649	4521	177	-2349
10 1938 Regional Report Surplus Deficit	-1404	-4177	721	-162	-452	-2254	-470	1455	3284	4125	4927	6778	2857	1095
11 1939 Regional Report Surplus Deficit	-2344	-3747	1014	-14.0	-632	-3384	-1821	-618	1039	2082	3145	6074	-38.4	-708
12 1940 Regional Report Surplus Deficit	-1787	-4436	354	-26.0	-41.6	-1435	-2800	-425	3697	2433	2290	5791	614	-1473
13 1941 Regional Report Surplus Deficit	-2619	-4772	-45.5	-368	-646	-2415	-3840	-1866	-229	-1496	-243	3993	-435	-2066
14 1942 Regional Report Surplus Deficit	-2474	-4887	431	-584	135	-211	-980	290	759	360	1893	5048	2127	1738
15 1943 Regional Report Surplus Deficit	-493	-1620	1640	82.9	-878	-1922	314	2128	3423	6242	5080	6415	3929	2215
16 1944 Regional Report Surplus Deficit	-21.2	-2010	1057	62.3	-300	-3235	-3483	-1851	-973	-887	97.8	1861	-4030	-3717
17 1945 Regional Report Surplus Deficit	-2984	-5063	-595	-787	-923	-3369	-4856	-2567	-431	-913	-2500	5794	2412	-2928
18 1946 Regional Report Surplus Deficit	-2374	-4177	628	-176	-256	-1504	-835	1090	2965	4660	4930	6850	2752	1719
19 1947 Regional Report Surplus Deficit	724	53.8	1807	-121	537	1322	1498	3194	3908	3405	2947	6888	2815	1508
20 1948 Regional Report Surplus Deficit	-325	-2584	1569	3720	2324	8.22	1145	2158	3106	2803	4178	7052	3289	2019
21 1949 Regional Report Surplus Deficit	1070	1047	2308	493	145	-1906	-1333	-174	4221	3467	4591	7165	2941	-2262
22 1950 Regional Report Surplus Deficit	-2419	-4321	-169	-365	-782	-1519	884	3810	4135	5033	3751	6033	3917	2671
23 1951 Regional Report Surplus Deficit	1177	1052	2196	1671	2935	1551	2214	4696	5221	5498	4253	6653	2867	2047
24 1952 Regional Report Surplus Deficit	748	-2055	1707	3000	1463	45.4	577	2713	3571	5113	5178	7216	3154	1289
25 1953 Regional Report Surplus Deficit	-280	-2980	325	-29.6	-458	-3250	-3295	3550	2150	904	1817	6267	4023	2334
26 1954 Regional Report Surplus Deficit	-539	-1105	1748	415	492	-784	218	3743	3701	3161	3079	6669	3228	2431
27 1955 Regional Report Surplus Deficit	1400	1450	4238	563	1505	-897	-2452	-158	-1332	483	909	5261	3952	2570
28 1956 Regional Report Surplus Deficit	1080	-139	1393	899	2151	1334	1958	4230	4602	4632	4556	6932	3751	2265
29 1957 Regional Report Surplus Deficit	776	524	1860	826	117	-451	-719	-710	3522	4795	2726	7419	3790	617
30 1958 Regional Report Surplus Deficit	-510	-3036	915	-27.9	-308	-1972	-220	1997	2881	2349	3789	7119	3477	120
31 1959 Regional Report Surplus Deficit	-362	-3491	877	257	1287	886	1755	3619	3999	4301	2741	6248	3454	2244
32 1960 Regional Report Surplus Deficit	1137	864	4679	4965	3442	541	-160	1500	3178	6425	3927	5483	3170	1233
33 1961 Regional Report Surplus Deficit	410	-3057	1120	310	338	-1537	-474	2369	4266	3084	2041	6497	3019	-60.7
34 1962 Regional Report Surplus Deficit	-725	-3030	648	-318	-136	-1733	-713	1406	388	5220	4766	6437	2696	437
35 1963 Regional Report Surplus Deficit	45.7	-1901	935	1201	1559	536	296	2115	1814	736	1636	6419	2588	1088
36 1964 Regional Report Surplus Deficit	-385	-2537	1945	-87.7	-139	-1560	-2022	-597	872	3682	1392	5993	3884	2493
37 1965 Regional Report Surplus Deficit	1105	471	2787	1454	1079	1414	2208	4427	4660	2725	4845	6702	2853	1398
38 1966 Regional Report Surplus Deficit	977	264	1141	761	321	-1118	-1038	776	1275	5221	2507	4638	2231	1186
39 1967 Regional Report Surplus Deficit	282	-2812	1084	-180	-412	-520	1334	3305	3651	2275	-1436	5823	3439	2235
40 1968 Regional Report Surplus Deficit	554	-605	1772	486	773	-1090	4.16	3028	3662	213	380	4433	3035	1553
41 1969 Regional Report Surplus Deficit	646	-662	3199	1731	2407	42.5	1812	3810	3699	5074	4617	7148	3337	1485
42 1970 Regional Report Surplus Deficit	-655	-3275	1339	681	236	-2225	-201	1703	2000	1272	1199	6332	3710	-784
43 1971 Regional Report Surplus Deficit	-750	-3624	751	-67.5	-345	-985	1966	4248	4773	4882	4162	6951	3903	2522
44 1972 Regional Report Surplus Deficit	1363	1442	2233	1081	527	-650	1766	4452	5736	6238	3784	6861	3344	2396
45 1973 Regional Report Surplus Deficit	1251	1374	2492	864	546	-1167	-471	77.9	253	-893	-326	3954	-1726	-1919
46 1974 Regional Report Surplus Deficit	-2238	-4081	285	-156	-278	-5.72	2475	4290	5469	5463	4539	6295	3572	2724
47 1975 Regional Report Surplus Deficit	1276	1404	2266	-168	-664	-2003	-62.3	1884	3319	898	1125	6489	3892	2559
48 1976 Regional Report Surplus Deficit	541	-314	2528	2076	2754	2023	1881	3979	4341	5419	3969	7004	3416	2316
49 1977 Regional Report Surplus Deficit	1501	1530	5364	891	-180	-3073	-2984	-1494	-1030	-1439	-1080	1554	-4759	-3361
50 1978 Regional Report Surplus Deficit	-3060	-5327	-997	-1507	-763	-1530	-662	1545	2400	4726	3012	6731	2011	1559
51 1979 Regional Report Surplus Deficit	-234	-2102	2752	922	321	-2662	-3100	796	2519	549	1758	6762	1713	-3173
52 1980 Regional Report Surplus Deficit	-2349	-4705	831	-14.1	-452	-3436	-1690	-1581	218	1937	3657	7498	3273	-113
53 1981 Regional Report Surplus Deficit	-2489	-4141	1044	-58.6	128	523	1339	3171	2138	-998	1415	6092	3577	1833
54 1982 Regional Report Surplus Deficit	1010	845	1796	329	729	-1277	663	4505	5482	4984	3317	6532	3926	2706

Regional Report Surplus Deficit By Water Year

Operating Year 2027

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

120Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Regional Report Surplus Deficit	1236	1299	3288	1921	978	-437	1282	3738	5016	3969	2586	6319	3267	2269
56 1984 Regional Report Surplus Deficit	1069	671	2426	723	3196	-17.0	789	3253	3936	5534	4330	6614	3963	2050
57 1985 Regional Report Surplus Deficit	993	-1398	2448	857	967	-1128	-1190	440	1421	3335	3491	6345	1322	-1253
58 1986 Regional Report Surplus Deficit	-2848	-4268	596	1196	1518	-1016	-19.4	3323	5497	5307	4404	5927	2801	343
59 1987 Regional Report Surplus Deficit	-647	-4225	594	-79.6	400	-1055	-2203	-617	2029	-454	1099	5587	1300	-1622
60 1988 Regional Report Surplus Deficit	-2179	-4366	140	-525	-1507	-3671	-4585	-3779	38.1	-500	894	4541	-624	-201
61 1989 Regional Report Surplus Deficit	-1613	-4084	393	-369	-245	-1979	-3706	-3186	2060	2591	4528	6036	1711	-820
62 1990 Regional Report Surplus Deficit	-1989	-4270	539	-44.1	236	-700	-626	2638	3485	2183	4541	5543	3170	1126
63 1991 Regional Report Surplus Deficit	562	-585	893	-252	2713	84.2	963	2817	3339	3543	2012	5946	2865	1937
64 1992 Regional Report Surplus Deficit	1086	-198	944	-315	-824	-3518	-3006	-12.1	1636	-1067	-625	3668	-2399	-2912
65 1993 Regional Report Surplus Deficit	-2968	-4933	-603	-667	-884	-3183	-4893	-4016	933	688	1752	6318	2531	-340
66 1994 Regional Report Surplus Deficit	-1290	-3629	821	-82.5	-201	-2751	-4063	-2294	824	-596	929	4745	1005	-952
67 1995 Regional Report Surplus Deficit	-1994	-4824	397	-343	-848	-2544	-1870	871	2510	3113	1454	6464	3417	855
68 1996 Regional Report Surplus Deficit	-1050	-3338	1685	1536	3647	2147	2428	4767	5909	5369	5242	6992	3239	2146
69 1997 Regional Report Surplus Deficit	980	-199	1835	296	537	70.7	2389	4273	5677	5379	4827	6733	3220	2340
70 1998 Regional Report Surplus Deficit	1155	1394	3350	4077	2233	-1094	-1297	1961	2059	1726	2506	7039	3843	1189
71 1999 Regional Report Surplus Deficit	869	-1685	1265	76.4	-601	-82.8	1805	4122	4817	3365	3987	6204	3859	2533
72 2000 Regional Report Surplus Deficit	1662	1649	2456	350	3086	604	33.7	1835	3206	4985	4769	6575	1268	775
73 2001 Regional Report Surplus Deficit	424	-3570	347	73.4	-487	-3079	-3810	-2157	-720	-1282	-879	3138	-4441	-3300
74 2002 Regional Report Surplus Deficit	-2985	-5060	-924	-1669	-869	-2534	-3595	-1800	862	1914	3899	5685	3309	1929
75 2003 Regional Report Surplus Deficit	-663	-2381	707	-68.1	-304	-3041	-3891	-2181	2782	1771	2129	5550	3266	-1249
76 2004 Regional Report Surplus Deficit	-2352	-4785	-100	-395	-37.9	-1503	-2922	-2449	1180	705	1309	5505	1736	-239
77 2005 Regional Report Surplus Deficit	-2752	-3528	1508	460	-13.4	-1253	-1687	1092	380	-611	731	5877	1984	-481
78 2006 Regional Report Surplus Deficit	-1321	-4311	585	-599	-166	-1583	666	2473	3024	5212	4673	6921	3503	675
79 2007 Regional Report Surplus Deficit	-1286	-3952	212	-695	373	-1412	-243	791	4027	3806	1920	6140	1881	1155
80 2008 Regional Report Surplus Deficit	-1307	-4509	-162	-459	-433	-2843	-2719	-1279	1244	1404	-974	6463	3988	1598
Ranked Averages														
81 Bottom 10 pct	-2852	-4687	-175	-460	-431	-2255	-2455	-359	1522	1209	1663	5709	2072	-87.2
82 Middle 80 pct	-469	-2417	1199	399	389	-1283	-900	1137	2613	2717	2614	6001	2369	562
83 Top 10 pct	1358	1400	3067	897	1092	-759	-84.2	1879	2549	2467	2003	5458	1513	917

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Section 3: Monthly 1-Hour Capacity Operating Year 2018 to 2027

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Exhibit 19
Federal Report Surplus Deficit

Monthly 1-Hour Capacity
Operating Year 2018 to 2027
Using 1937-Water Conditions

Loads and Resources - Federal System
Operating Year: 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
1 Load Following	4345	4146	3937	4178	4961	5055	5335	4833	4739	4577	4475	4090	3965	4350
2 Preference Customers	4162	4162	3881	4108	4766	5399	5348	5107	4597	4353	4353	3976	3965	4251
3 Federal Agencies	133	133	128	139	175	192	196	188	171	145	145	133	125	135
4 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
5 Federal Diversity	-564	-763	-604	-485	-260	-905	-546	-797	-433	-393	-495	-574	-723	-668
6 Tier 1 Block	11.7	11.7	24.2	0	0	0	0	0	0	0	0	0	0	0
7 Tier 1 Block	11.7	11.7	24.2	0	0	0	0	0	0	0	0	0	0	0
8 Slice	4689	4484	4441	3954	5352	5313	5055	4542	5354	4257	4540	5236	4710	4339
9 Slice Block	1608	1608	1678	1608	1984	2205	2233	2062	1919	1616	1616	1429	1338	1556
10 Slice Output from T1 System	3081	2876	2763	2345	3368	3109	2822	2480	3435	2641	2924	3807	3372	2783
11 Direct Service Industries	24.5	24.5	24.2	25.1	25.0	24.7	25.2	24.7	89.9	90.3	90.3	89.9	89.3	89.4
12 DSI	24.5	24.5	24.2	25.1	25.0	24.7	25.2	24.7	89.9	90.3	90.3	89.9	89.3	89.4
13 Contract Deliveries	1647	1647	1488	1462	1597	1589	1562	1562	1484	1505	1505	1435	1454	1467
14 Exports	1596	1596	1437	1411	1399	1391	1363	1363	1388	1409	1409	1409	1427	1441
15 Intra-Regional Transfers (Out)	51.2	51.2	51.2	51.2	198	198	198	198	96.2	96.2	96.2	26.2	26.2	26.2
16 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Total Firm Obligations	10718	10313	9915	9619	11935	11982	11977	10962	11667	10430	10610	10851	10218	10245
Net Resources														
18 Hydro Resources	13565	12769	12105	10107	13959	13018	11869	10543	14229	11238	12334	15761	14127	11903
19 Regulated Hydro - Net	13103	12312	11574	9700	13576	12759	11642	10340	13875	10638	11721	15004	13334	11396
20 Independent Hydro - Net	459	454	528	403	378	254	223	199	349	596	608	753	789	504
21 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
22 Other Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
23 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
26 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Contract Purchases	571	566	687	696	700	689	688	672	713	700	707	580	727	559

Loads and Resources - Federal System
Operating Year: 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
²⁹ Imports	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	76.0
³⁰ Intra-Regional Transfers (In)	181	181	305	273	254	249	254	246	264	323	323	174	332	179
³¹ Non-Federal CER	240	240	240	241	239	239	240	240	240	238	238	238	238	238
³² Slice Transmission Loss Return	74.1	69.2	66.4	56.4	81.0	74.7	67.9	59.6	82.6	63.5	70.3	91.5	81.1	66.9
³³ Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
³⁴ Reserves & Losses	-2116	-2066	-2020	-1679	-1847	-1785	-1713	-1615	-1828	-1628	-1696	-1861	-1781	-1649
³⁵ Contingency Reserves (Spinning)	-376	-365	-350	-336	-410	-410	-393	-367	-411	-360	-376	-403	-388	-362
³⁶ Contingency Reserves (Non-Spinning)	-376	-365	-350	-336	-410	-410	-393	-367	-411	-360	-376	-403	-388	-362
³⁷ Load Following Reserves	-586	-586	-586	-471	-405	-330	-330	-330	-330	-330	-330	-330	-330	-330
³⁸ Generation Imbalance Reserves	-314	-314	-314	-175	-132	-175	-175	-175	-175	-175	-175	-175	-175	-175
³⁹ Transmission Losses	-463	-437	-419	-361	-490	-460	-422	-377	-500	-404	-440	-550	-500	-421
⁴⁰ Total Net Resources	13149	12397	11908	10260	13952	13060	11988	10742	14257	11448	12482	15619	14208	11943
⁴¹ Total Surplus/Deficit	2,431	2,084	1,993	641	2,017	1,078	10	-220	2,590	1,018	1,872	4,768	3,990	1,698

Loads and Resources - Federal System
Operating Year: 2019 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
42 Load Following	4217	4223	3877	4103	4776	5079	5348	4843	4718	4522	4507	4120	3985	4397
43 Preference Customers	4158	4158	3882	4139	4798	5431	5378	5135	4623	4380	4380	4000	3990	4278
44 Federal Agencies	133	133	129	149	189	207	213	204	184	155	155	141	135	145
45 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
46 Federal Diversity	-688	-682	-665	-600	-491	-927	-579	-830	-493	-485	-499	-578	-738	-658
47 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 Slice	4779	4640	4505	4024	5225	5472	5250	4709	5309	4308	4515	5075	4477	4547
50 Slice Block	1550	1550	1620	1657	2044	2272	2300	2124	1977	1665	1665	1473	1379	1602
51 Slice Output from T1 System	3229	3090	2885	2367	3182	3200	2949	2584	3332	2642	2850	3602	3098	2944
52 Direct Service Industries	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
53 DSI	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
54 Contract Deliveries	1581	1581	1443	1412	1547	1539	1537	1537	1434	1421	1421	1351	1351	1366
55 Exports	1554	1554	1417	1386	1374	1366	1363	1363	1338	1324	1324	1324	1324	1340
56 Intra-Regional Transfers (Out)	26.2	26.2	26.2	26.2	173	173	173	173	96.2	96.2	96.2	26.2	26.2	26.2
57 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Total Firm Obligations	10666	10533	9915	9630	11638	12180	12225	11178	11551	10341	10534	10635	9902	10399
Net Resources														
59 Hydro Resources	13723	13181	12182	10087	13246	13409	12401	10986	13873	11283	12086	15005	14238	12566
60 Regulated Hydro - Net	13261	12724	11651	9680	12863	13151	12173	10783	13519	10682	11473	14247	13445	12059
61 Independent Hydro - Net	459	454	528	403	378	254	223	199	349	596	608	753	789	504
62 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
63 Other Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
64 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
67 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 Contract Purchases	580	576	550	538	554	551	550	533	541	523	528	546	534	531

Loads and Resources - Federal System
Operating Year: 2019 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
⁷⁰ Imports	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	76.0
⁷¹ Intra-Regional Transfers (In)	188	188	167	116	113	108	113	105	94.8	145	145	145	145	145
⁷² Non-Federal CER	238	238	238	239	239	240	240	240	240	239	239	239	239	239
⁷³ Slice Transmission Loss Return	77.6	74.3	69.4	56.9	76.5	76.9	70.9	62.1	80.1	63.5	68.5	86.6	74.5	70.8
⁷⁴ Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
⁷⁵ Reserves & Losses	-1764	-1731	-1658	-1548	-1776	-1813	-1750	-1646	-1808	-1633	-1683	-1820	-1750	-1696
⁷⁶ Contingency Reserves (Spinning)	-387	-379	-359	-339	-401	-417	-402	-374	-407	-361	-373	-393	-390	-372
⁷⁷ Contingency Reserves (Non-Spinning)	-387	-379	-359	-339	-401	-417	-402	-374	-407	-361	-373	-393	-390	-372
⁷⁸ Load Following Reserves	-333	-333	-333	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
⁷⁹ Generation Imbalance Reserves	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
⁸⁰ Transmission Losses	-481	-463	-430	-359	-463	-468	-434	-386	-482	-399	-425	-523	-459	-441
⁸¹ Total Net Resources	13666	13155	12209	10213	13164	13285	12345	11016	13749	11311	12070	14870	13022	12530
⁸² Total Surplus/Deficit	3,001	2,622	2,294	583	1,526	1,106	121	-161	2,198	971	1,536	4,235	3,121	2,131

Loads and Resources - Federal System
Operating Year: 2020 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
83 Load Following	4245	4240	3877	4186	4778	5094	5394	4917	4849	4665	4550	4300	4121	4463
84 Preference Customers	4185	4185	3902	4179	4839	5471	5447	5202	4689	4448	4448	4068	4057	4347
85 Federal Agencies	143	143	137	156	200	218	225	215	193	162	162	148	141	153
86 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
87 Federal Diversity	-696	-701	-694	-564	-540	-964	-614	-834	-439	-418	-532	-472	-676	-668
88 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Slice	4901	4730	4988	4059	5329	5524	5282	4877	5501	4430	4087	5202	4746	4680
91 Slice Block	1596	1596	1668	1634	2014	2237	2265	2021	1948	1641	1641	1449	1359	1580
92 Slice Output from T1 System	3305	3134	3320	2425	3316	3287	3016	2856	3553	2789	2446	3753	3387	3100
93 Direct Service Industries	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
94 DSI	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
95 Contract Deliveries	1289	1289	1168	1168	1175	1175	1175	1175	1168	1168	1168	1168	1168	1192
96 Exports	1262	1262	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
97 Intra-Regional Transfers (Out)	26.2	26.2	26.2	26.2	33.2	33.2	33.2	33.2	26.2	26.2	26.2	26.2	26.2	26.2
98 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 Total Firm Obligations	10524	10348	10122	9502	11372	11882	11941	11058	11607	10353	9895	10760	10124	10424
Net Resources														
100 Hydro Resources	13876	13210	13721	10091	13404	13389	12301	11677	14441	11560	10232	15379	14008	12960
101 Regulated Hydro - Net	13413	12753	13190	9684	13021	13130	12073	11474	14088	10960	9619	14621	13214	12453
102 Independent Hydro - Net	459	454	528	403	378	254	223	199	349	596	608	753	789	504
103 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
104 Other Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
105 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
108 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Contract Purchases	539	535	540	440	462	461	454	450	467	449	441	472	463	456

Loads and Resources - Federal System
Operating Year: 2020 Water Year: 1937
2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
111 Imports	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	76.0
112 Intra-Regional Transfers (In)	145	145	145	16.8	16.8	16.8	16.8	16.8	16.8	66.8	66.8	66.8	66.8	66.8
113 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
114 Slice Transmission Loss Return	79.5	75.4	79.8	58.3	79.7	79.0	72.5	68.7	85.4	67.1	58.8	90.2	81.4	74.5
115 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116 Reserves & Losses	-1787	-1746	-1767	-1547	-1786	-1811	-1744	-1687	-1844	-1651	-1568	-1844	-1775	-1721
117 Contingency Reserves (Spinning)	-389	-380	-382	-340	-405	-418	-402	-385	-417	-367	-348	-400	-388	-379
118 Contingency Reserves (Non-Spinning)	-389	-380	-382	-340	-405	-418	-402	-385	-417	-367	-348	-400	-388	-379
119 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
120 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
121 Transmission Losses	-484	-462	-480	-356	-465	-464	-428	-406	-498	-405	-361	-533	-487	-452
122 Total Net Resources	13756	13128	13629	10119	13220	13177	12155	11582	14208	11496	10242	15145	13831	12825
123 Total Surplus/Deficit	3,232	2,779	3,507	617	1,848	1,295	215	524	2,601	1,143	347	4,386	3,707	2,401

Loads and Resources - Federal System
Operating Year: 2021 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
124 Load Following	4275	4181	3967	4152	4903	5265	5439	4880	4842	4794	4502	4410	4141	4346
125 Preference Customers	4253	4253	3970	4236	4895	5529	5485	5210	4725	4482	4482	4098	4091	4384
126 Federal Agencies	150	150	143	157	202	220	227	213	195	164	164	149	143	154
127 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
128 Federal Diversity	-742	-836	-678	-656	-474	-852	-609	-878	-483	-324	-616	-393	-690	-823
129 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131 Slice	4718	4696	4420	3945	5336	5557	5301	4965	5055	4454	4095	5245	4397	4676
132 Slice Block	1574	1574	1646	1676	2066	2295	2324	2147	1998	1684	1684	1488	1395	1621
133 Slice Output from T1 System	3143	3121	2774	2269	3271	3262	2977	2817	3057	2769	2411	3757	3001	3055
134 Direct Service Industries	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
135 DSI	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
136 Contract Deliveries	1305	1305	1168	1168	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
137 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
138 Intra-Regional Transfers (Out)	26.2	26.2	26.2	26.2	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
139 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Total Firm Obligations	10387	10271	9644	9355	11487	12070	11988	11092	11138	10488	9839	10896	9778	10286
Net Resources														
141 Hydro Resources	13242	13152	11583	9621	13364	13424	12281	11662	12654	11619	10231	15528	13784	12921
142 Regulated Hydro - Net	12780	12695	11052	9214	12981	13166	12053	11459	12301	11018	9619	14771	12991	12414
143 Independent Hydro - Net	459	454	528	403	378	254	223	199	349	596	608	753	789	504
144 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
145 Other Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
146 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
149 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151 Contract Purchases	457	457	449	420	444	443	437	433	438	432	423	455	437	313

Loads and Resources - Federal System
Operating Year: 2021 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
152 Imports	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	1.00
153 Intra-Regional Transfers (In)	66.8	66.8	66.8	0	0	0	0	0	0	50.0	50.0	50.0	50.0	0
154 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
155 Slice Transmission Loss Return	75.6	75.1	66.7	54.6	78.6	78.4	71.6	67.7	73.5	66.6	58.0	90.3	72.2	73.5
156 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Reserves & Losses	-1748	-1743	-1635	-1521	-1786	-1798	-1724	-1669	-1714	-1636	-1550	-1844	-1704	-1696
158 Contingency Reserves (Spinning)	-382	-381	-353	-335	-406	-411	-393	-376	-382	-359	-338	-398	-376	-369
159 Contingency Reserves (Non-Spinning)	-382	-381	-353	-335	-406	-411	-393	-376	-382	-359	-338	-398	-376	-369
160 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
161 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
162 Transmission Losses	-461	-458	-406	-340	-463	-465	-427	-405	-439	-407	-361	-538	-441	-446
163 Total Net Resources	13079	12994	11531	9655	13162	13208	12137	11568	12522	11552	10243	15278	12517	12669
164 Total Surplus/Deficit	2,692	2,723	1,887	300	1,675	1,139	149	476	1,384	1,064	404	4,382	2,739	2,383

Loads and Resources - Federal System
Operating Year: 2022 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
165 Load Following	4235	4151	3952	4243	4909	5131	5430	4919	4862	4688	4496	4398	4148	4343
166 Preference Customers	4292	4292	3998	4255	4916	5551	5508	5261	4745	4502	4502	4117	4109	4404
167 Federal Agencies	152	152	145	158	203	221	228	218	196	165	165	150	143	155
168 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
169 Federal Diversity	-822	-906	-723	-585	-489	-1010	-643	-894	-485	-451	-643	-425	-703	-847
170 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172 Slice	4717	4685	4648	3941	5303	5533	5263	4940	5004	4426	4075	5200	4797	4676
173 Slice Block	1615	1615	1688	1640	2021	2245	2274	2101	1955	1648	1648	1456	1365	1586
174 Slice Output from T1 System	3102	3070	2961	2301	3282	3288	2989	2839	3049	2778	2427	3744	3431	3090
175 Direct Service Industries	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
176 DSI	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
177 Contract Deliveries	1288	1288	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
178 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
179 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
180 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 Total Firm Obligations	10329	10214	9840	9425	11460	11912	11941	11107	11106	10355	9812	10838	10185	10283
Net Resources														
182 Hydro Resources	13215	13089	12440	9610	13273	13391	12194	11612	12489	11517	10159	15343	14180	12923
183 Regulated Hydro - Net	12752	12632	11908	9203	12891	13132	11967	11409	12135	10917	9546	14586	13387	12416
184 Independent Hydro - Net	459	454	528	403	378	254	223	199	349	596	608	753	789	504
185 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
186 Other Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
187 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
190 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Contract Purchases	315	314	311	295	319	319	312	308	313	307	298	330	323	314

Loads and Resources - Federal System
Operating Year: 2022 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
193 Imports	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
194 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
196 Slice Transmission Loss Return	74.6	73.8	71.2	55.3	78.9	79.1	71.9	68.3	73.3	66.8	58.4	90.0	82.5	74.3
197 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198 Reserves & Losses	-1724	-1713	-1665	-1498	-1758	-1792	-1717	-1664	-1702	-1618	-1534	-1840	-1765	-1698
199 Contingency Reserves (Spinning)	-372	-369	-356	-325	-395	-411	-393	-377	-381	-353	-334	-401	-383	-370
200 Contingency Reserves (Non-Spinning)	-372	-369	-356	-325	-395	-411	-393	-377	-381	-353	-334	-401	-383	-370
201 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
202 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
203 Transmission Losses	-455	-451	-430	-336	-456	-459	-420	-400	-429	-400	-355	-527	-489	-446
204 Total Net Resources	12933	12818	12220	9543	12974	13056	11933	11398	12244	11344	10062	14972	13873	12670
205 Total Surplus/Deficit	2,605	2,605	2,380	119	1,515	1,144	-7	291	1,137	989	250	4,133	3,688	2,386

Loads and Resources - Federal System
Operating Year: 2023 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
206 Load Following	4279	4007	3962	4277	4892	5239	5459	4943	4886	4706	4487	4400	4169	4342
207 Preference Customers	4312	4312	4027	4286	4948	5586	5541	5292	4775	4531	4531	4145	4136	4434
208 Federal Agencies	153	153	145	158	202	221	227	218	196	164	164	150	143	155
209 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
210 Federal Diversity	-799	-1070	-742	-582	-538	-936	-646	-901	-490	-462	-681	-451	-709	-878
211 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Slice	4703	4678	4644	3921	5296	5546	5273	4936	4967	4209	4058	5280	4375	4886
214 Slice Block	1580	1580	1651	1685	2077	2308	2336	2159	2009	1694	1694	1497	1404	1629
215 Slice Output from T1 System	3123	3098	2993	2236	3220	3238	2937	2777	2958	2515	2365	3783	2971	3257
216 Direct Service Industries	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
217 DSI	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
218 Contract Deliveries	1288	1288	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
219 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
220 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
221 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Total Firm Obligations	10360	10062	9846	9438	11436	12033	11981	11126	11093	10156	9786	10921	9784	10492
Net Resources														
223 Hydro Resources	13164	13060	12429	9601	13275	13441	12235	11615	12378	10743	10159	15739	13774	13811
224 Regulated Hydro - Net	12702	12603	11898	9194	12892	13183	12007	11411	12025	10142	9546	14982	12981	13304
225 Independent Hydro - Net	459	454	528	403	378	254	223	199	349	596	608	753	789	504
226 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
227 Other Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
228 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
231 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
232 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233 Contract Purchases	315	314	312	294	317	318	311	307	311	300	297	331	311	318

Loads and Resources - Federal System
Operating Year: 2023 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
²³⁴ Imports	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
²³⁵ Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
²³⁶ Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
²³⁷ Slice Transmission Loss Return	75.1	74.5	72.0	53.8	77.4	77.9	70.6	66.8	71.1	60.5	56.9	91.0	71.4	78.3
²³⁸ Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
²³⁹ Reserves & Losses	-1723	-1716	-1667	-1499	-1760	-1797	-1722	-1667	-1697	-1572	-1536	-1867	-1703	-1755
²⁴⁰ Contingency Reserves (Spinning)	-373	-371	-357	-326	-396	-413	-395	-378	-380	-343	-335	-408	-378	-384
²⁴¹ Contingency Reserves (Non-Spinning)	-373	-371	-357	-326	-396	-413	-395	-378	-380	-343	-335	-408	-378	-384
²⁴² Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
²⁴³ Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
²⁴⁴ Transmission Losses	-454	-450	-430	-335	-456	-461	-421	-399	-426	-374	-355	-540	-436	-476
²⁴⁵ Total Net Resources	12884	12786	12209	9531	12972	13100	11968	11396	12135	10609	10058	15342	12382	13504
²⁴⁶ Total Surplus/Deficit	2,524	2,724	2,363	93	1,536	1,067	-12	270	1,042	453	272	4,421	2,598	3,012

Loads and Resources - Federal System
Operating Year: 2024 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
247 Load Following	4305	4040	3967	4301	4881	5213	5328	4866	4713	4661	4450	4466	4210	4308
248 Preference Customers	4342	4342	4056	4310	4974	5614	5568	5317	4799	4554	4554	4167	4159	4458
249 Federal Agencies	152	152	145	159	204	222	229	219	197	166	166	151	144	156
250 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
251 Federal Diversity	-803	-1068	-767	-583	-576	-991	-805	-1005	-688	-531	-742	-408	-691	-937
252 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
253 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
254 Slice	4682	4648	4614	3956	5321	5554	5284	4886	5022	4444	4093	5212	4811	4691
255 Slice Block	1623	1623	1696	1654	2038	2265	2294	2046	1972	1662	1662	1470	1378	1599
256 Slice Output from T1 System	3058	3025	2918	2302	3283	3289	2990	2840	3050	2782	2431	3742	3432	3091
257 Direst Service Industries	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
258 DSI	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
259 Contract Deliveries	1288	1288	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
260 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
261 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
262 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
263 Total Firm Obligations	10364	10065	9821	9499	11450	12015	11860	10999	10976	10346	9785	10919	10261	10263
Net Resources														
264 Hydro Resources	13155	13021	12382	9614	13278	13396	12199	11615	12494	11532	10174	15337	14185	12928
265 Regulated Hydro - Net	12692	12564	11851	9207	12895	13137	11972	11412	12140	10932	9561	14580	13391	12421
266 Independent Hydro - Net	459	454	528	403	378	254	223	199	349	596	608	753	789	504
267 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
268 Other Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
269 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
270 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
271 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
272 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
273 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
274 Contract Purchases	314	313	310	295	319	319	312	308	313	307	298	330	323	314

Loads and Resources - Federal System
Operating Year: 2024 Water Year: 1937
2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
275 Imports	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
276 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
277 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
278 Slice Transmission Loss Return	73.5	72.7	70.2	55.3	78.9	79.1	71.9	68.3	73.3	66.9	58.5	90.0	82.5	74.3
279 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
280 Reserves & Losses	-1724	-1716	-1666	-1502	-1763	-1797	-1722	-1668	-1707	-1633	-1548	-1835	-1770	-1703
281 Contingency Reserves (Spinning)	-374	-372	-357	-328	-398	-413	-395	-379	-383	-361	-341	-398	-385	-373
282 Contingency Reserves (Non-Spinning)	-374	-372	-357	-328	-398	-413	-395	-379	-383	-361	-341	-398	-385	-373
283 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
284 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
285 Transmission Losses	-453	-449	-428	-336	-456	-459	-420	-400	-429	-400	-355	-527	-489	-446
286 Total Net Resources	12872	12746	12161	9543	12974	13056	11933	11398	12244	11344	10062	14972	13873	12670
287 Total Surplus/Deficit	2,508	2,680	2,340	45	1,524	1,041	73	398	1,268	998	277	4,053	3,612	2,406

Loads and Resources - Federal System
Operating Year: 2025 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
288 Load Following	4252	4109	4191	4386	4763	5197	5326	4946	4745	4674	4461	4391	4230	4378
289 Preference Customers	4366	4366	4079	4327	4993	5634	5589	5307	4817	4571	4571	4183	4174	4475
290 Federal Agencies	153	153	146	161	206	225	232	218	200	168	168	153	146	158
291 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
292 Federal Diversity	-881	-1025	-567	-517	-716	-1030	-831	-913	-676	-537	-750	-501	-688	-886
293 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
294 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
295 Slice	4718	4691	4659	3891	5267	5518	5246	4907	4938	4182	4031	5248	4344	4856
296 Slice Block	1593	1593	1665	1691	2083	2315	2344	2166	2015	1699	1699	1503	1409	1634
297 Slice Output from T1 System	3124	3098	2994	2200	3184	3203	2902	2742	2922	2483	2332	3745	2935	3222
298 Direct Service Industries	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
299 DSI	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
300 Contract Deliveries	1288	1288	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
301 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
302 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
303 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
304 Total Firm Obligations	10347	10177	10090	9518	11278	11963	11820	11101	10924	10098	9733	10880	9814	10498
Net Resources														
305 Hydro Resources	13169	13062	12434	9605	13279	13446	12240	11619	12383	10757	10173	15734	13778	13816
306 Regulated Hydro - Net	12706	12604	11902	9198	12897	13188	12012	11415	12029	10157	9561	14977	12985	13309
307 Independent Hydro - Net	459	454	528	403	378	254	223	199	349	596	608	753	789	504
308 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
309 Other Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
310 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
311 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
312 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
313 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
314 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
315 Contract Purchases	315	314	312	293	317	317	310	306	310	300	296	330	311	317

Loads and Resources - Federal System
Operating Year: 2025 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
316 Imports	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
317 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
318 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
319 Slice Transmission Loss Return	75.1	74.5	72.0	52.9	76.6	77.0	69.8	65.9	70.3	59.7	56.1	90.1	70.6	77.5
320 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
321 Reserves & Losses	-1727	-1718	-1672	-1504	-1765	-1802	-1726	-1671	-1702	-1587	-1550	-1861	-1708	-1760
322 Contingency Reserves (Spinning)	-375	-372	-359	-329	-399	-415	-397	-380	-382	-351	-342	-405	-380	-387
323 Contingency Reserves (Non-Spinning)	-375	-372	-359	-329	-399	-415	-397	-380	-382	-351	-342	-405	-380	-387
324 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
325 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
326 Transmission Losses	-454	-450	-430	-335	-456	-461	-421	-399	-426	-374	-355	-540	-436	-475
327 Total Net Resources	12884	12786	12209	9530	12971	13099	11967	11396	12135	10608	10057	15342	12381	13503
328 Total Surplus/Deficit	2,537	2,609	2,119	12	1,693	1,135	147	295	1,211	511	324	4,462	2,567	3,005

Loads and Resources - Federal System
Operating Year: 2026 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
329 Load Following	4319	4048	4183	4382	4723	5549	5333	4993	4779	4685	4461	4306	4264	4449
330 Preference Customers	4383	4383	4095	4349	5016	5659	5614	5361	4839	4592	4592	4203	4194	4497
331 Federal Agencies	155	155	148	163	209	228	235	225	202	170	170	155	148	160
332 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
333 Federal Diversity	-833	-1103	-592	-546	-782	-706	-853	-927	-667	-550	-773	-607	-676	-840
334 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
335 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
336 Slice	4651	4618	4584	3956	5321	5549	5279	4954	5017	4439	4089	5210	4806	4686
337 Slice Block	1628	1628	1701	1653	2037	2264	2292	2118	1971	1661	1661	1470	1378	1598
338 Slice Output from T1 System	3023	2989	2883	2303	3284	3285	2986	2836	3046	2778	2427	3741	3428	3087
339 Direct Service Industries	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
340 DSI	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
341 Contract Deliveries	1288	1288	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
342 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
343 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
344 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
345 Total Firm Obligations	10348	10044	10007	9579	11292	12346	11860	11194	11037	10365	9791	10757	10311	10398
Net Resources														
346 Hydro Resources	13159	13025	12386	9619	13283	13381	12184	11601	12478	11516	10158	15331	14169	12912
347 Regulated Hydro - Net	12697	12568	11855	9212	12900	13122	11956	11398	12125	10916	9545	14574	13376	12405
348 Independent Hydro - Net	459	454	528	403	378	254	223	199	349	596	608	753	789	504
349 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
350 Other Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
351 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
352 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
353 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	1135	1130
354 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
355 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
356 Contract Purchases	313	312	309	295	319	319	312	308	313	307	298	330	322	314

Loads and Resources - Federal System
Operating Year: 2026 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
357 Imports	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
358 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
359 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
360 Slice Transmission Loss Return	72.7	71.9	69.3	55.4	79.0	79.0	71.8	68.2	73.2	66.8	58.4	89.9	82.4	74.2
361 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
362 Reserves & Losses	-1729	-1720	-1671	-1507	-1767	-1782	-1706	-1654	-1691	-1617	-1532	-1829	-1754	-1687
363 Contingency Reserves (Spinning)	-376	-374	-359	-330	-400	-406	-388	-372	-375	-353	-333	-395	-377	-365
364 Contingency Reserves (Non-Spinning)	-376	-374	-359	-330	-400	-406	-388	-372	-375	-353	-333	-395	-377	-365
365 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
366 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
367 Transmission Losses	-453	-449	-428	-336	-456	-459	-420	-400	-429	-400	-355	-527	-489	-446
368 Total Net Resources	12871	12745	12160	9543	12974	13056	11933	11398	12243	11344	10062	14971	13873	12670
369 Total Surplus/Deficit	2,524	2,701	2,153	-35	1,683	710	74	203	1,207	979	271	4,214	3,562	2,271

Loads and Resources - Federal System
Operating Year: 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
370 Load Following	4359	4076	4215	4390	4661	5400	5382	5024	4749	4746	4438	4338	4308	4457
371 Preference Customers	4405	4405	4116	4381	5051	5695	5632	5377	4854	4604	4604	4214	4205	4509
372 Federal Agencies	157	157	150	164	211	230	237	227	204	171	171	156	149	161
373 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
374 Federal Diversity	-817	-1100	-584	-571	-879	-893	-823	-914	-714	-502	-809	-587	-644	-846
375 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
376 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377 Slice	4713	4687	4653	3899	5274	5524	5252	4913	4942	4188	4037	5257	4351	4863
378 Slice Block	1592	1592	1663	1687	2078	2310	2339	2161	2009	1694	1694	1499	1405	1630
379 Slice Output from T1 System	3120	3095	2990	2212	3195	3214	2913	2753	2933	2494	2343	3759	2946	3233
380 Direct Service Industries	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
381 DSI	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
382 Contract Deliveries	1288	1288	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1175
383 Exports	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
384 Intra-Regional Transfers (Out)	9.44	9.44	9.44	9.44	16.4	16.4	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
385 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
386 Total Firm Obligations	10450	10140	10108	9530	11183	12171	11882	11185	10932	10175	9716	10836	9899	10584
Net Resources														
387 Hydro Resources	13153	13049	12418	9592	13264	13431	12224	11604	12367	10742	10158	15726	13762	13800
388 Regulated Hydro - Net	12691	12592	11887	9185	12881	13172	11996	11400	12013	10142	9545	14969	12968	13293
389 Independent Hydro - Net	459	454	528	403	378	254	223	199	349	596	608	753	789	504
390 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
391 Other Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
392 Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
393 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
394 Large Thermal Resources	1128	1128	1135	1136	1140	1138	1144	1142	1143	1138	1138	1139	0	1130
395 Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
396 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
397 Contract Purchases	315	314	312	293	317	317	310	306	311	300	296	330	311	318

Loads and Resources - Federal System
Operating Year: 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
398 Imports	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
399 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
401 Slice Transmission Loss Return	75.0	74.4	71.9	53.2	76.8	77.3	70.0	66.2	70.5	60.0	56.3	90.4	70.8	77.7
402 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
403 Reserves & Losses	-1712	-1705	-1656	-1490	-1750	-1787	-1711	-1656	-1686	-1571	-1535	-1854	-1691	-1744
404 Contingency Reserves (Spinning)	-367	-366	-351	-322	-391	-407	-389	-373	-374	-343	-334	-401	-372	-379
405 Contingency Reserves (Non-Spinning)	-367	-366	-351	-322	-391	-407	-389	-373	-374	-343	-334	-401	-372	-379
406 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
407 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
408 Transmission Losses	-454	-450	-430	-335	-456	-461	-421	-399	-426	-374	-355	-540	-436	-475
409 Total Net Resources	12884	12786	12209	9531	12971	13099	11968	11396	12135	10609	10057	15342	12382	13504
410 Total Surplus/Deficit	2,435	2,646	2,101	0	1,789	928	86	211	1,203	434	341	4,506	2,482	2,920

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Exhibit 20
Regional Report Surplus Deficit

Monthly 1-Hour Capacity
Operating Year 2018 to 2027
Using 1937-Water Conditions

Loads and Resources - Pacific Northwest Region

Operating Year: 2018 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
1 Retail Loads	30015	29815	26649	27237	30824	33392	34108	31775	29605	27712	27609	25837	28632	30911
2 Federal Agency	145	145	140	151	183	200	205	197	179	157	157	145	138	147
3 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
4 Cooperative	2745	2745	2516	2531	2909	3316	3242	3106	2787	2727	2727	2634	2689	2886
5 Municipality	3248	3248	3100	3513	4012	4370	4379	4187	3841	3535	3535	3053	3104	3317
6 Public Utility District	5729	5729	5413	5977	6852	7546	7596	7178	6719	6270	6270	5699	5572	5867
7 Investor-Owned Utility	17660	17660	15112	14694	16408	18056	18457	17131	15669	14504	14504	13886	16816	18292
8 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
9 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
10 Federal Diversity	-564	-763	-604	-485	-260	-905	-546	-797	-433	-393	-495	-574	-723	-668
11 Exports	2038	2038	1879	1513	1462	1454	1427	1427	1452	1472	1480	1480	1808	1821
12 Canada	1461	1461	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1340
13 East Continental Divide	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80
14 Inland Southwest	25.0	25.0	25.0	25.0	25.0	25.0	0	0	0	0	0	0	0	0
15 Pacific Southwest	545	545	523	156	106	97.9	95.8	95.8	121	141	149	149	477	475
16 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Total Regional Loads	32052	31853	28528	28749	32286	34846	35535	33202	31057	29184	29090	27317	30440	32732
Regional Resources														
18 Hydro Resources	24685	23758	22603	20735	24927	24104	22521	21326	24855	21638	22690	26923	25953	23460
19 Regulated Hydro - Net	22791	21866	20709	18992	23279	22542	21014	19900	23129	19508	20543	24470	23438	21373
20 Independent Hydro - Net	1509	1508	1582	1514	1467	1394	1338	1246	1507	1792	1808	1993	2039	1627
21 Small Hydro - Net	386	384	313	229	180	168	169	181	219	337	339	460	476	460
22 Other Resources	16332	16333	16414	16549	16722	16803	16811	16768	16076	16574	15039	14168	15752	16337
23 Cogeneration Resources	2610	2610	2629	2684	2703	2717	2720	2714	2072	2619	2139	2363	2616	2613
24 Combustion Turbine Resources	6475	6475	6531	6609	6760	6827	6837	6791	6743	6699	5645	5785	6038	6478
25 Large Thermal Resources	6984	6984	6991	6992	6996	6994	7000	6998	6999	6994	6994	5755	6837	6986
26 Renewable Resources	173	173	173	174	173	174	162	174	172	172	172	173	171	172
27 Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
28 Imports	968	968	849	841	1118	1242	1216	1248	949	770	770	800	1038	1114
29 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
30 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Inland Southwest	747	747	628	569	566	647	590	589	565	536	536	578	817	893

Loads and Resources - Pacific Northwest Region
Operating Year: 2018 Water Year: 1937
2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
³² Pacific Southwest	75.0	75.0	75.0	125	450	471	471	471	171	87.0	87.0	75.0	75.0	75.0
³³ Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
³⁴ Reserves & Losses	-4198	-4140	-3975	-3647	-3910	-3928	-3841	-3707	-3800	-3578	-3547	-3726	-3857	-3786
³⁵ Contingency Reserves (Non-Spinning)	-988	-974	-910	-898	-1007	-1043	-1026	-978	-981	-917	-910	-943	-996	-991
³⁶ Contingency Reserves (Spinning)	-988	-974	-910	-898	-1007	-1043	-1026	-978	-981	-917	-910	-943	-996	-991
³⁷ Generation Imbalance Reserves	-314	-314	-314	-175	-132	-175	-175	-175	-175	-175	-175	-175	-175	-175
³⁸ Load Following Reserves	-586	-586	-586	-471	-405	-330	-330	-330	-330	-330	-330	-330	-330	-330
³⁹ Transmission Losses	-1322	-1292	-1256	-1206	-1359	-1337	-1284	-1247	-1332	-1239	-1223	-1335	-1360	-1299
⁴⁰ Total Regional Resources	37787	36919	35891	34479	38857	38220	36707	35635	38080	35404	34952	38165	38886	37125
⁴¹ Total Surplus/Deficit	5735	5066	7364	5729	6571	3374	1172	2433	7023	6220	5863	10848	8446	4393

Loads and Resources - Pacific Northwest Region

Operating Year: 2019 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
42 Retail Loads	30462	30468	27006	27440	30942	33748	34448	32090	29868	27921	27906	26123	28976	31291
43 Federal Agency	145	145	141	161	198	215	221	212	192	167	167	153	147	157
44 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
45 Cooperative	2791	2791	2562	2578	2958	3364	3290	3153	2833	2775	2775	2682	2737	2935
46 Municipality	3307	3307	3110	3529	4027	4386	4390	4198	3850	3543	3543	3060	3112	3325
47 Public Utility District	5876	5876	5537	6016	6900	7602	7643	7216	6752	6303	6303	5726	5598	5870
48 Investor-Owned Utility	17979	17979	15351	14902	16632	18300	18708	17368	15889	14707	14707	14084	17083	18592
49 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
50 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
51 Federal Diversity	-688	-682	-665	-600	-491	-927	-579	-830	-493	-485	-499	-578	-738	-658
52 Exports	1935	1935	1798	1458	1431	1423	1421	1421	1395	1382	1390	1390	1699	1715
53 Canada	1445	1445	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1340
54 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
55 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Pacific Southwest	483	483	466	126	106	97.9	95.8	95.8	70.0	56.7	64.7	64.7	374	374
57 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Total Regional Loads	32397	32403	28803	28898	32374	35171	35869	33511	31263	29303	29296	27513	30675	33006
Regional Resources														
59 Hydro Resources	24846	23503	22856	20719	24220	24502	23052	21770	24502	21682	22447	26170	26064	24121
60 Regulated Hydro - Net	22949	21609	20959	18972	22567	22933	21546	20343	22773	19553	20295	23714	23550	22036
61 Independent Hydro - Net	1509	1508	1582	1514	1467	1394	1338	1246	1507	1792	1808	1993	2039	1627
62 Small Hydro - Net	389	387	316	232	186	174	169	181	222	337	343	463	476	458
63 Other Resources	16332	16333	16418	16553	16726	16807	16811	16768	16076	15362	14299	14168	14771	16337
64 Cogeneration Resources	2610	2610	2629	2684	2703	2717	2720	2714	2072	2147	2139	2363	2616	2613
65 Combustion Turbine Resources	6475	6475	6535	6613	6764	6831	6837	6791	6743	6699	5645	5785	6038	6478
66 Large Thermal Resources	6984	6984	6991	6992	6996	6994	7000	6998	6999	6254	6254	5755	5856	6986
67 Renewable Resources	173	173	173	174	173	174	162	174	172	172	172	173	171	172
68 Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
69 Imports	976	976	853	845	1096	1199	1174	1206	907	762	762	804	1047	1124
70 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
71 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Inland Southwest	755	755	632	573	569	650	594	593	569	540	540	582	826	903

Loads and Resources - Pacific Northwest Region
Operating Year: 2019 Water Year: 1937
2016 White Book Report Date: **9/20/2016** *Continued*
S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
73 Pacific Southwest	75.0	75.0	75.0	125	425	425	425	425	125	75.0	75.0	75.0	75.0	75.0
74 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Reserves & Losses	-3858	-3774	-3637	-3529	-3852	-3968	-3888	-3749	-3792	-3541	-3521	-3693	-3847	-3844
76 Contingency Reserves (Non-Spinning)	-1004	-984	-925	-904	-1002	-1054	-1039	-989	-981	-915	-910	-936	-1003	-1006
77 Contingency Reserves (Spinning)	-1004	-984	-925	-904	-1002	-1054	-1039	-989	-981	-915	-910	-936	-1003	-1006
78 Generation Imbalance Reserves	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
79 Load Following Reserves	-333	-333	-333	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
80 Transmission Losses	-1340	-1296	-1277	-1210	-1336	-1348	-1300	-1259	-1319	-1199	-1189	-1310	-1331	-1320
81 Total Regional Resources	38296	37038	36491	34588	38191	38539	37149	35995	37693	34266	33987	37448	38034	37739
82 Total Surplus/Deficit	5900	4635	7688	5691	5817	3368	1280	2484	6430	4964	4691	9935	7360	4733

Loads and Resources - Pacific Northwest Region

Operating Year: 2020 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
83 Retail Loads	30815	30810	27254	27801	31248	34102	34833	32431	30295	28345	28230	26579	29456	31734
84 Federal Agency	155	155	149	168	208	226	233	223	202	174	174	160	154	165
85 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
86 Cooperative	2840	2840	2610	2626	3005	3409	3336	3198	2878	2820	2820	2728	2783	2982
87 Municipality	3315	3315	3117	3537	4036	4395	4425	4234	3886	3579	3579	3095	3148	3361
88 Public Utility District	5874	5874	5528	6072	6964	7673	7715	7229	6816	6363	6363	5788	5655	5927
89 Investor-Owned Utility	18275	18275	15573	15108	16857	18555	18962	17608	16108	14915	14915	14285	17356	18896
90 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
91 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
92 Federal Diversity	-696	-701	-694	-564	-540	-964	-614	-834	-439	-418	-532	-472	-676	-668
93 Exports	1637	1637	1516	1207	1199	1199	1199	1199	1199	1199	1207	1207	1516	1540
94 Canada	1262	1262	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
95 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
96 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Pacific Southwest	374	374	374	64.7	56.7	56.7	56.7	56.7	56.7	56.7	64.7	64.7	374	374
98 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 Total Regional Loads	32452	32447	28770	29008	32447	35301	36032	33630	31494	29544	29437	27786	30972	33274
Regional Resources														
100 Hydro Resources	24999	23530	24392	20718	24355	24472	23270	22328	25105	21977	20631	26589	25803	24516
101 Regulated Hydro - Net	23101	21637	22498	18974	22702	22904	21764	20901	23379	19847	18484	24136	23288	22430
102 Independent Hydro - Net	1509	1508	1582	1514	1467	1394	1338	1246	1507	1792	1808	1993	2039	1627
103 Small Hydro - Net	389	385	312	230	185	174	169	181	219	337	339	460	476	460
104 Other Resources	16332	16333	16418	16551	16723	16807	16811	16768	16076	16056	15039	14014	15752	16337
105 Cogeneration Resources	2610	2610	2629	2684	2703	2717	2720	2714	2072	2619	2139	2363	2616	2613
106 Combustion Turbine Resources	6475	6475	6535	6611	6761	6831	6837	6791	6743	6699	5645	5785	6038	6478
107 Large Thermal Resources	6984	6984	6991	6992	6996	6994	7000	6998	6999	6476	6994	5601	6837	6986
108 Renewable Resources	173	173	173	174	173	174	162	174	172	172	172	173	171	172
109 Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
110 Imports	984	984	857	848	1099	1202	1177	1209	910	765	765	807	1056	1134
111 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
112 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Inland Southwest	763	763	636	576	572	653	597	596	572	543	543	585	835	913

Loads and Resources - Pacific Northwest Region
Operating Year: 2020 Water Year: 1937
2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
114 Pacific Southwest	75.0	75.0	75.0	125	425	425	425	425	125	75.0	75.0	75.0	75.0	75.0
115 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116 Reserves & Losses	-3891	-3799	-3753	-3538	-3870	-3977	-3914	-3793	-3840	-3606	-3444	-3724	-3876	-3881
117 Contingency Reserves (Non-Spinning)	-1012	-990	-952	-909	-1009	-1060	-1048	-1002	-995	-932	-889	-947	-1005	-1019
118 Contingency Reserves (Spinning)	-1012	-990	-952	-909	-1009	-1060	-1048	-1002	-995	-932	-889	-947	-1005	-1019
119 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
120 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
121 Transmission Losses	-1344	-1296	-1326	-1210	-1340	-1347	-1306	-1277	-1338	-1231	-1154	-1318	-1355	-1333
122 Total Regional Resources	38424	37048	37914	34579	38308	38503	37344	36511	38251	35192	32992	37686	38735	38106
123 Total Surplus/Deficit	5972	4601	9144	5571	5860	3202	1312	2882	6758	5648	3554	9899	7763	4832

Loads and Resources - Pacific Northwest Region

Operating Year: 2021 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
124 Retail Loads	31217	31123	27645	28072	31702	34631	35227	32773	30598	28763	28472	26977	29833	32003
125 Federal Agency	162	162	155	169	210	228	235	222	203	176	176	161	155	166
126 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
127 Cooperative	2886	2886	2656	2671	3049	3455	3382	3219	2922	2865	2865	2772	2828	3029
128 Municipality	3351	3351	3154	3573	4073	4433	4438	4243	3898	3590	3590	3106	3159	3372
129 Public Utility District	5935	5935	5588	6140	7038	7753	7782	7347	6880	6424	6424	5845	5713	5990
130 Investor-Owned Utility	18572	18572	15799	15320	17086	18807	19223	17847	16334	15122	15122	14491	17632	19199
131 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
132 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
133 Federal Diversity	-742	-836	-678	-656	-474	-852	-609	-878	-483	-324	-616	-393	-690	-823
134 Exports	1653	1653	1516	1207	1199	1199	1199	1199	1199	1199	1207	1207	1516	1540
135 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
136 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
137 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138 Pacific Southwest	374	374	374	64.7	56.7	56.7	56.7	56.7	56.7	56.7	64.7	64.7	374	374
139 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Total Regional Loads	32870	32776	29161	29279	32901	35830	36426	33972	31798	29962	29679	28184	31349	33543
Regional Resources														
141 Hydro Resources	24365	23474	22282	20251	24316	24507	23171	22233	23238	21956	20550	26658	25499	24478
142 Regulated Hydro - Net	22467	21579	20384	18504	22662	22939	21744	20887	21592	19906	18483	24285	23065	22391
143 Independent Hydro - Net	1509	1508	1582	1514	1467	1394	1258	1166	1427	1712	1728	1913	1959	1627
144 Small Hydro - Net	389	387	316	232	186	174	169	181	219	337	339	460	476	460
145 Other Resources	16332	16333	16418	16551	16723	16137	15571	15528	14836	15334	13799	13263	13377	15097
146 Cogeneration Resources	2610	2610	2629	2684	2703	2717	2720	2714	2072	2619	2139	2363	2616	2613
147 Combustion Turbine Resources	6475	6475	6535	6611	6761	6831	6837	6791	6743	6699	5645	5785	6038	6478
148 Large Thermal Resources	6984	6984	6991	6992	6996	6324	5760	5758	5759	5754	5754	4850	4462	5746
149 Renewable Resources	173	173	173	174	173	174	162	174	172	172	172	173	171	172
150 Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
151 Imports	992	992	861	852	1102	1206	1180	1212	914	769	769	811	1064	1068
152 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
153 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Inland Southwest	771	771	640	580	575	657	600	599	576	547	547	589	843	922

Loads and Resources - Pacific Northwest Region
Operating Year: 2021 Water Year: 1937
2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
155 Pacific Southwest	75.0	75.0	75.0	125	425	425	425	425	125	75.0	75.0	75.0	75.0	0
156 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Reserves & Losses	-3865	-3809	-3633	-3519	-3878	-3950	-3841	-3721	-3656	-3554	-3371	-3686	-3753	-3811
158 Contingency Reserves (Non-Spinning)	-1009	-996	-926	-907	-1014	-1056	-1034	-988	-955	-918	-874	-939	-988	-1006
159 Contingency Reserves (Spinning)	-1009	-996	-926	-907	-1014	-1056	-1034	-988	-955	-918	-874	-939	-988	-1006
160 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
161 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
162 Transmission Losses	-1323	-1294	-1257	-1194	-1339	-1326	-1262	-1233	-1236	-1207	-1111	-1296	-1266	-1288
163 Total Regional Resources	37824	36990	35928	34134	38263	37900	36080	35252	35331	34505	31748	37046	36187	36832
164 Total Surplus/Deficit	4954	4214	6767	4855	5362	2070	-346	1280	3534	4542	2069	8861	4838	3288

Loads and Resources - Pacific Northwest Region

Operating Year: 2022 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
165 Retail Loads	31561	31478	27939	28464	32030	34843	35570	33145	30931	28951	28759	27255	30199	32398
166 Federal Agency	164	164	157	170	211	229	236	226	204	177	177	162	156	167
167 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
168 Cooperative	2933	2933	2702	2716	3096	3503	3430	3292	2969	2911	2911	2819	2875	3076
169 Municipality	3363	3363	3165	3585	4085	4445	4450	4258	3909	3601	3601	3117	3169	3384
170 Public Utility District	5998	5998	5639	6190	7093	7812	7841	7400	6930	6471	6471	5890	5759	6038
171 Investor-Owned Utility	18874	18874	16029	15533	17315	19056	19479	18089	16560	15331	15331	14697	17907	19510
172 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
173 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
174 Federal Diversity	-822	-906	-723	-585	-489	-1010	-643	-894	-485	-451	-643	-425	-703	-847
175 Exports	1288	1288	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1175
176 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
177 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
178 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
179 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
180 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181 Total Regional Loads	32849	32765	29090	29614	33173	35986	36712	34287	32074	30094	29909	28405	31350	33573
Regional Resources														
182 Hydro Resources	24337	23411	23129	20160	24145	24394	23084	22183	23072	21854	20478	26473	25895	24480
183 Regulated Hydro - Net	22440	21517	21241	18493	22572	22906	21658	20836	21426	19804	18410	24100	23461	22393
184 Independent Hydro - Net	1509	1508	1572	1434	1387	1314	1258	1166	1427	1712	1728	1913	1959	1627
185 Small Hydro - Net	389	387	316	232	186	174	169	181	219	337	339	460	476	460
186 Other Resources	15092	15093	15178	15311	15483	15567	15444	15401	14709	13660	12597	13471	14539	14663
187 Cogeneration Resources	2610	2610	2629	2684	2703	2717	2720	2714	2072	2147	2139	2363	2616	2613
188 Combustion Turbine Resources	6475	6475	6535	6611	6761	6831	6837	6791	6743	6699	5645	5785	6038	6478
189 Large Thermal Resources	5744	5744	5751	5752	5756	5754	5633	5631	5632	4552	4552	5058	5624	5312
190 Renewable Resources	173	173	173	174	173	174	162	174	172	172	172	173	171	172
191 Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
192 Imports	925	925	790	731	980	1085	1059	1091	793	697	697	740	998	1078
193 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
194 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Inland Southwest	779	779	644	584	578	661	604	603	580	550	550	593	852	932

Loads and Resources - Pacific Northwest Region
Operating Year: 2022 Water Year: 1937
2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
¹⁹⁶ Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
¹⁹⁷ Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹⁹⁸ Reserves & Losses	-3796	-3734	-3616	-3441	-3796	-3913	-3838	-3720	-3647	-3474	-3322	-3697	-3825	-3809
¹⁹⁹ Contingency Reserves (Non-Spinning)	-996	-981	-925	-892	-999	-1052	-1038	-993	-957	-909	-873	-946	-999	-1012
²⁰⁰ Contingency Reserves (Spinning)	-996	-981	-925	-892	-999	-1052	-1038	-993	-957	-909	-873	-946	-999	-1012
²⁰¹ Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
²⁰² Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
²⁰³ Transmission Losses	-1279	-1249	-1241	-1146	-1288	-1299	-1251	-1223	-1222	-1145	-1065	-1294	-1316	-1274
²⁰⁴ Total Regional Resources	36559	35695	35482	32760	36813	37132	35749	34954	34927	32737	30450	36986	37607	36412
²⁰⁵ Total Surplus/Deficit	3710	2930	6392	3146	3640	1146	-963	667	2854	2644	541	8581	6257	2840

Loads and Resources - Pacific Northwest Region

Operating Year: 2023 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
206 Retail Loads	31996	31724	28262	28784	32320	35282	35951	33495	31267	29260	29041	27550	30582	32794
207 Federal Agency	164	164	157	170	210	229	236	226	204	177	177	162	155	167
208 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
209 Cooperative	2980	2980	2748	2766	3146	3554	3482	3343	3019	2960	2960	2868	2924	3127
210 Municipality	3374	3374	3175	3595	4097	4457	4464	4271	3922	3612	3612	3128	3181	3396
211 Public Utility District	6046	6046	5694	6237	7144	7867	7902	7457	6984	6522	6522	5939	5808	6090
212 Investor-Owned Utility	19178	19178	16259	15744	17542	19304	19738	18326	16786	15539	15539	14908	18185	19823
213 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
214 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
215 Federal Diversity	-799	-1070	-742	-582	-538	-936	-646	-901	-490	-462	-681	-451	-709	-878
216 Exports	1288	1288	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1175
217 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
218 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
219 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
221 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Total Regional Loads	33284	33012	29413	29934	33462	36425	37093	34638	32410	30403	30192	28701	31732	33969
Regional Resources														
223 Hydro Resources	24287	23382	23119	20150	24146	24444	23125	22186	22962	21080	20478	26869	25489	25368
224 Regulated Hydro - Net	22389	21487	21230	18484	22573	22956	21698	20839	21316	19030	18410	24496	23054	23281
225 Independent Hydro - Net	1509	1508	1572	1434	1387	1314	1258	1166	1427	1712	1728	1913	1959	1627
226 Small Hydro - Net	389	387	316	232	186	174	169	181	219	337	339	460	475	460
227 Other Resources	14658	14659	14690	14825	14996	15077	15081	15038	14347	13992	13030	13137	13043	14610
228 Cogeneration Resources	2610	2610	2629	2684	2703	2717	2720	2714	2072	2619	2139	2363	2616	2613
229 Combustion Turbine Resources	6475	6475	6482	6559	6708	6775	6781	6735	6688	6644	5645	5758	5984	6425
230 Large Thermal Resources	5310	5310	5317	5318	5322	5320	5326	5324	5325	4467	4985	4751	4182	5312
231 Renewable Resources	173	173	173	174	173	174	162	174	172	172	172	173	171	172
232 Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
233 Imports	934	934	794	735	983	1089	1062	1094	796	701	701	744	1007	1088
234 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
235 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
236 Inland Southwest	788	788	648	588	581	665	607	606	583	554	554	597	861	942

Loads and Resources - Pacific Northwest Region
Operating Year: 2023 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*
S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
237 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
238 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
239 Reserves & Losses	-3790	-3733	-3609	-3433	-3789	-3910	-3839	-3718	-3638	-3460	-3346	-3719	-3761	-3874
240 Contingency Reserves (Non-Spinning)	-1002	-988	-930	-897	-1003	-1058	-1044	-998	-960	-909	-878	-956	-999	-1031
241 Contingency Reserves (Spinning)	-1002	-988	-930	-897	-1003	-1058	-1044	-998	-960	-909	-878	-956	-999	-1031
242 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
243 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
244 Transmission Losses	-1263	-1233	-1224	-1129	-1271	-1284	-1239	-1210	-1206	-1130	-1080	-1295	-1252	-1301
245 Total Regional Resources	36090	35242	34995	32277	36337	36700	35429	34599	34467	32313	30863	37030	35778	37191
246 Total Surplus/Deficit	2806	2230	5582	2342	2875	275	-1665	-38.2	2057	1910	671	8329	4046	3222

Loads and Resources - Pacific Northwest Region

Operating Year: 2024 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
247 Retail Loads	32402	32137	28567	29097	32624	35596	36167	33687	31407	29499	29289	27897	30980	33153
248 Federal Agency	164	164	157	171	212	230	237	227	205	178	178	163	156	168
249 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
250 Cooperative	3031	3031	2798	2811	3193	3602	3530	3390	3065	3006	3006	2914	2970	3174
251 Municipality	3386	3386	3187	3607	4109	4470	4476	4283	3933	3623	3623	3138	3192	3407
252 Public Utility District	6089	6089	5735	6280	7193	7920	7955	7454	7031	6566	6566	5982	5850	6133
253 Investor-Owned Utility	19482	19482	16487	15956	17775	19558	19999	18565	17018	15746	15746	15113	18467	20137
254 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
255 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
256 Federal Diversity	-803	-1068	-767	-583	-576	-991	-805	-1005	-688	-531	-742	-408	-691	-937
257 Exports	1288	1288	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1175
258 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
259 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
260 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
261 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
262 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
263 Total Regional Loads	33689	33424	29718	30248	33766	36739	37309	34830	32549	30642	30439	29048	32131	34327
Regional Resources														
264 Hydro Resources	24278	23343	23071	20164	24150	24399	23089	22186	23077	21869	20492	26467	25900	24484
265 Regulated Hydro - Net	22380	21448	21183	18497	22576	22911	21663	20840	21431	19819	18425	24094	23465	22398
266 Independent Hydro - Net	1509	1508	1572	1434	1387	1314	1258	1166	1427	1712	1728	1913	1959	1627
267 Small Hydro - Net	389	387	316	232	186	174	169	181	219	337	339	460	475	460
268 Other Resources	14605	14606	14690	14822	14994	15077	15081	15038	14347	14845	13365	12802	14178	14610
269 Cogeneration Resources	2610	2610	2629	2684	2703	2717	2720	2714	2072	2619	2139	2363	2616	2613
270 Combustion Turbine Resources	6422	6422	6482	6556	6706	6775	6781	6735	6688	6644	5645	5758	5984	6425
271 Large Thermal Resources	5310	5310	5317	5318	5322	5320	5326	5324	5325	5320	5320	4416	5317	5312
272 Renewable Resources	173	173	173	174	173	174	162	174	172	172	172	173	171	172
273 Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
274 Imports	942	942	799	739	986	1093	1065	1098	800	705	705	748	1016	1097
275 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
276 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
277 Inland Southwest	796	796	653	592	584	669	610	610	587	558	558	601	870	951

Loads and Resources - Pacific Northwest Region
Operating Year: 2024 Water Year: 1937
2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
278 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
279 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
280 Reserves & Losses	-3799	-3740	-3615	-3443	-3799	-3918	-3848	-3727	-3655	-3557	-3377	-3683	-3836	-3832
281 Contingency Reserves (Non-Spinning)	-1008	-994	-934	-901	-1009	-1062	-1049	-1003	-967	-930	-887	-950	-1011	-1024
282 Contingency Reserves (Spinning)	-1008	-994	-934	-901	-1009	-1062	-1049	-1003	-967	-930	-887	-950	-1011	-1024
283 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
284 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
285 Transmission Losses	-1260	-1230	-1222	-1129	-1271	-1282	-1238	-1210	-1209	-1185	-1091	-1271	-1303	-1272
286 Total Regional Resources	36026	35150	34946	32282	36331	36650	35387	34595	34569	33863	31186	36334	37258	36360
287 Total Surplus/Deficit	2336	1726	5228	2034	2564	-88.1	-1922	-234	2020	3221	747	7286	5127	2032

Loads and Resources - Pacific Northwest Region

Operating Year: 2025 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
288 Retail Loads	32736	32593	29094	29471	32819	35921	36507	34142	31737	29793	29579	28100	31356	33612
289 Federal Agency	165	165	158	173	214	233	240	226	208	180	180	165	158	170
290 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
291 Cooperative	3077	3077	2843	2851	3234	3644	3572	3406	3105	3046	3046	2954	3010	3215
292 Municipality	3398	3398	3198	3618	4121	4482	4488	4292	3944	3634	3634	3149	3202	3418
293 Public Utility District	6130	6130	5774	6322	7239	7970	8000	7550	7071	6605	6605	6018	5886	6171
294 Investor-Owned Utility	19795	19795	16717	16170	18008	19815	20262	18808	17240	15953	15953	15319	18751	20454
295 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
296 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
297 Federal Diversity	-881	-1025	-567	-517	-716	-1030	-831	-913	-676	-537	-750	-501	-688	-886
Exports														
298 Exports	1288	1288	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1175
299 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
300 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
301 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
302 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
303 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
304 Total Regional Loads	34024	33880	30244	30622	33962	37064	37650	35284	32879	30935	30730	29250	32506	34787
Regional Resources														
305 Hydro Resources	24292	23383	23123	20155	24151	24449	23130	22190	22966	21094	20492	26864	25493	25372
306 Regulated Hydro - Net	22394	21489	21235	18488	22578	22961	21703	20843	21320	19044	18425	24491	23059	23286
307 Independent Hydro - Net	1509	1508	1572	1434	1387	1314	1258	1166	1427	1712	1728	1913	1959	1627
308 Small Hydro - Net	389	387	316	232	186	174	169	181	219	337	339	460	475	460
Other Resources														
309 Other Resources	14605	14606	14690	14822	14994	15077	15081	15038	14347	13633	12625	12802	13043	14610
310 Cogeneration Resources	2610	2610	2629	2684	2703	2717	2720	2714	2072	2147	2139	2363	2616	2613
311 Combustion Turbine Resources	6422	6422	6482	6556	6706	6775	6781	6735	6688	6644	5645	5758	5984	6425
312 Large Thermal Resources	5310	5310	5317	5318	5322	5320	5326	5324	5325	4580	4580	4416	4182	5312
313 Renewable Resources	173	173	173	174	173	174	162	174	172	172	172	173	171	172
314 Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
Imports														
315 Imports	950	950	803	742	990	1097	1068	1101	804	708	708	751	1025	1107
316 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
317 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
318 Inland Southwest	804	804	657	595	588	673	613	613	591	561	561	604	879	961

Loads and Resources - Pacific Northwest Region
Operating Year: 2025 Water Year: 1937
2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
319 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
320 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
321 Reserves & Losses	-3812	-3752	-3628	-3451	-3809	-3932	-3846	-3722	-3642	-3448	-3345	-3701	-3769	-3885
322 Contingency Reserves (Non-Spinning)	-1014	-999	-940	-906	-1014	-1068	-1047	-1000	-962	-909	-884	-953	-1003	-1036
323 Contingency Reserves (Spinning)	-1014	-999	-940	-906	-1014	-1068	-1047	-1000	-962	-909	-884	-953	-1003	-1036
324 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
325 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
326 Transmission Losses	-1261	-1231	-1224	-1129	-1271	-1284	-1240	-1211	-1206	-1119	-1066	-1284	-1252	-1302
327 Total Regional Resources	36035	35187	34989	32268	36326	36691	35433	34606	34475	31988	30480	36715	35793	37204
328 Total Surplus/Deficit	2011	1307	4745	1646	2365	-372	-2217	-678	1596	1053	-249	7465	3287	2418

Loads and Resources - Pacific Northwest Region

Operating Year: 2026 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
329 Retail Loads	33186	32915	29390	29754	33095	36608	36867	34515	32081	30093	29869	28303	31753	34082
330 Federal Agency	167	167	160	175	217	236	243	233	211	182	182	167	160	172
331 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
332 Cooperative	3117	3117	2882	2893	3277	3688	3616	3476	3147	3087	3087	2996	3052	3258
333 Municipality	3409	3409	3208	3629	4132	4494	4500	4307	3956	3645	3645	3160	3213	3429
334 Public Utility District	6168	6168	5810	6360	7282	8015	8050	7597	7115	6647	6647	6058	5925	6211
335 Investor-Owned Utility	20105	20105	16950	16388	18250	20074	20535	19056	17475	16170	16170	15535	19043	20781
336 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
337 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
338 Federal Diversity	-833	-1103	-592	-546	-782	-706	-853	-927	-667	-550	-773	-607	-676	-840
339 Exports	1288	1288	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1175
340 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
341 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
342 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
343 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
344 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
345 Total Regional Loads	34473	34203	30540	30905	34237	37751	38010	35657	33223	31235	31019	29453	32904	35257
Regional Resources														
346 Hydro Resources	24282	23347	23076	20169	24155	24384	23074	22173	23062	21853	20477	26461	25884	24469
347 Regulated Hydro - Net	22385	21453	21187	18502	22581	22896	21647	20826	21415	19803	18409	24088	23449	22382
348 Independent Hydro - Net	1509	1508	1572	1434	1387	1314	1258	1166	1427	1712	1728	1913	1959	1627
349 Small Hydro - Net	389	387	316	232	186	174	169	181	219	337	339	460	475	460
350 Other Resources	14605	14606	14690	14822	14994	14407	14278	14235	13543	13524	12562	12333	13375	13806
351 Cogeneration Resources	2610	2610	2629	2684	2703	2717	2720	2714	2072	2619	2139	2363	2616	2613
352 Combustion Turbine Resources	6422	6422	6482	6556	6706	6775	6781	6735	6688	6644	5645	5758	5984	6425
353 Large Thermal Resources	5310	5310	5317	5318	5322	4650	4522	4520	4521	3998	4516	3947	4513	4508
354 Renewable Resources	173	173	173	174	173	174	162	174	172	172	172	173	171	172
355 Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
356 Imports	958	958	808	746	993	1100	1071	1104	808	712	712	755	1035	1117
357 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
358 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
359 Inland Southwest	812	812	662	599	591	676	616	616	595	565	565	608	889	971

Loads and Resources - Pacific Northwest Region
Operating Year: 2026 Water Year: 1937
2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
360 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
361 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
362 Reserves & Losses	-3809	-3750	-3620	-3447	-3804	-3881	-3800	-3679	-3604	-3488	-3325	-3653	-3790	-3788
363 Contingency Reserves (Non-Spinning)	-1012	-998	-937	-903	-1011	-1055	-1039	-992	-955	-918	-875	-943	-1001	-1016
364 Contingency Reserves (Spinning)	-1012	-998	-937	-903	-1011	-1055	-1039	-992	-955	-918	-875	-943	-1001	-1016
365 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
366 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
367 Transmission Losses	-1261	-1230	-1223	-1130	-1271	-1260	-1211	-1184	-1183	-1140	-1064	-1256	-1277	-1246
368 Total Regional Resources	36036	35161	34955	32290	36338	36009	34623	33832	33809	32601	30426	35896	36504	35604
369 Total Surplus/Deficit	1563	958	4415	1385	2101	-1742	-3387	-1825	585	1366	-594	6443	3600	347

Loads and Resources - Pacific Northwest Region

Operating Year: 2027 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
370 Retail Loads	33621	33337	29730	30083	33314	36755	37229	34831	32318	30445	30138	28554	32126	34491
371 Federal Agency	169	169	162	176	219	238	245	235	212	183	183	168	161	173
372 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
373 Cooperative	3160	3160	2924	2937	3322	3734	3634	3493	3163	3100	3100	3009	3065	3272
374 Municipality	3420	3420	3219	3614	4114	4473	4481	4290	3939	3631	3631	3149	3204	3420
375 Public Utility District	6206	6206	5847	6463	7330	8056	8104	7651	7163	6730	6730	6068	5963	6287
376 Investor-Owned Utility	20430	20430	17191	16609	18491	20340	20812	19303	17711	16392	16392	15753	19340	21114
377 Marketer	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
378 Direct-Service Industry	435	435	434	435	435	435	435	435	435	435	435	435	434	435
379 Federal Diversity	-817	-1100	-584	-571	-879	-893	-823	-914	-714	-502	-809	-587	-644	-846
380 Exports	1288	1288	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1175
381 Canada	1279	1279	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1166
382 East Continental Divide	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
383 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
384 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
385 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
386 Total Regional Loads	34908	34625	30880	31233	34457	37897	38371	35973	33460	31588	31289	29705	33276	35665
Regional Resources														
387 Hydro Resources	24276	23371	23107	20141	24136	24434	23114	22175	22950	21079	20477	26856	25477	25357
388 Regulated Hydro - Net	22378	21476	21219	18475	22562	22946	21688	20828	21304	19029	18410	24483	23042	23270
389 Independent Hydro - Net	1509	1508	1572	1434	1387	1314	1258	1166	1427	1712	1728	1913	1959	1627
390 Small Hydro - Net	389	387	316	232	186	174	169	181	219	337	339	460	475	460
391 Other Resources	13801	13802	13887	14021	14193	14273	14278	14235	13543	14042	12562	12333	12240	13806
392 Cogeneration Resources	2610	2610	2629	2684	2703	2717	2720	2714	2072	2619	2139	2363	2616	2613
393 Combustion Turbine Resources	6422	6422	6482	6559	6708	6775	6781	6735	6688	6644	5645	5758	5984	6425
394 Large Thermal Resources	4506	4506	4513	4514	4518	4516	4522	4520	4521	4516	4516	3947	3378	4508
395 Renewable Resources	173	173	173	174	173	174	162	174	172	172	172	173	171	172
396 Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
397 Imports	967	967	812	750	996	1104	1075	1107	811	716	716	759	1044	1127
398 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
399 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400 Inland Southwest	821	821	666	603	594	680	620	619	598	569	569	612	898	981

Loads and Resources - Pacific Northwest Region
Operating Year: 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
401 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
402 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
403 Reserves & Losses	-3768	-3711	-3578	-3402	-3759	-3882	-3812	-3688	-3605	-3466	-3334	-3684	-3736	-3856
404 Contingency Reserves (Non-Spinning)	-1005	-992	-929	-894	-1002	-1057	-1044	-997	-958	-911	-879	-952	-1000	-1035
405 Contingency Reserves (Spinning)	-1005	-992	-929	-894	-1002	-1057	-1044	-997	-958	-911	-879	-952	-1000	-1035
406 Generation Imbalance Reserves	-185	-185	-185	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176	-176
407 Load Following Reserves	-339	-339	-339	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335	-335
408 Transmission Losses	-1234	-1204	-1197	-1102	-1244	-1257	-1212	-1183	-1179	-1132	-1064	-1269	-1225	-1275
409 Total Regional Resources	35276	34429	34228	31510	35566	35929	34655	33828	33699	32371	30421	36264	35024	36435
410 Total Surplus/Deficit	368	-196	3348	277	1109	-1968	-3716	-2145	239	783	-868	6559	1748	770

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Exhibit 21
BPA Sales to Preference and Legacy Customers

Monthly 1-Hour Capacity
Operating Year 2018 to 2027
Using 1937-Water Conditions

BPA Sales to Preference and Legacy Customers
Operating Year 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 DSI Obligation	24.5	24.5	24.2	25.1	25.0	24.7	25.2	24.7	89.9	90.3	90.3	89.9	89.3	89.4
2 Direct Service Industry	24.5	24.5	24.2	25.1	25.0	24.7	25.2	24.7	89.9	90.3	90.3	89.9	89.3	89.4
3 Load Following	4296	4296	4009	4247	4941	5591	5545	5296	4767	4498	4498	4108	4090	4386
4 Cooperative	2613	2613	2390	2340	2713	3117	3043	2904	2585	2521	2521	2419	2472	2667
5 Municipality	788	788	722	762	888	987	1004	961	859	778	778	705	724	802
6 Other	0	0	0	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
7 Public Utility District	762	762	769	1001	1160	1290	1296	1237	1148	1050	1050	847	764	777
8 Federal Entities	133	133	128	139	175	192	196	188	171	145	145	133	125	135
9 Slice Block	1608	1608	1678	1608	1984	2205	2233	2062	1919	1616	1616	1429	1338	1556
10 Municipality	490	490	614	526	735	800	830	786	758	521	521	341	269	441
11 Public Utility District	1118	1118	1065	1083	1248	1404	1403	1276	1161	1095	1095	1088	1069	1114
12 Slice Output from T1 System	3081	2876	2763	2345	3368	3109	2822	2480	3435	2641	2924	3807	3372	2783
13 Municipality	1035	966	928	787	1131	1044	948	833	1153	887	982	1278	1132	934
14 Public Utility District	2047	1910	1835	1558	2237	2065	1875	1647	2281	1754	1942	2529	2240	1849
15 Tier 1 Block	11.7	11.7	24.2	0	0	0	0	0	0	0	0	0	0	0
16 Public Utility District	11.7	11.7	24.2	0	0	0	0	0	0	0	0	0	0	0
17 USBR Obligation	614	614	532	415	279	368	336	334	405	472	472	556	598	632
18 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
Total Power Sales Contracts														
19 Cooperative	2613	2613	2390	2340	2713	3117	3043	2904	2585	2521	2521	2419	2472	2667
20 Direct Service Industry	24.5	24.5	24.2	25.1	25.0	24.7	25.2	24.7	89.9	90.3	90.3	89.9	89.3	89.4
21 Federal Entities	133	133	128	139	175	192	196	188	171	145	145	133	125	135
22 Municipality	2313	2244	2264	2075	2754	2831	2782	2580	2770	2186	2281	2324	2125	2178
23 Other				5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
24 Public Utility District	3938	3802	3692	3641	4645	4759	4574	4160	4591	3899	4087	4463	4072	3740
25 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
26 Total Power Sales Contracts	9635	9430	9030	8641	10597	11298	10962	10196	10616	9317	9601	9990	9487	9446

BPA Sales to Preference and Legacy Customers

Operating Year 2019 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
27 DSI Obligation	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
28 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
29 Load Following	4291	4291	4010	4288	4988	5638	5591	5339	4807	4535	4535	4142	4125	4423
30 Cooperative	2571	2571	2351	2357	2731	3135	3061	2921	2601	2538	2538	2436	2489	2685
31 Municipality	801	801	734	767	893	992	1005	961	857	776	776	702	722	801
32 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
33 Public Utility District	780	780	791	1010	1169	1299	1307	1248	1159	1061	1061	857	774	787
34 Federal Entities	133	133	129	149	189	207	213	204	184	155	155	141	135	145
35 Slice Block	1550	1550	1620	1657	2044	2272	2300	2124	1977	1665	1665	1473	1379	1602
36 Municipality	462	462	584	540	755	822	852	807	778	535	535	351	277	454
37 Public Utility District	1088	1088	1035	1117	1289	1450	1449	1317	1199	1130	1130	1122	1102	1148
38 Slice Output from T1 System	3229	3090	2885	2367	3182	3200	2949	2584	3332	2642	2850	3602	3098	2944
39 Municipality	1084	1037	969	795	1068	1074	990	868	1119	887	957	1209	1040	989
40 Public Utility District	2145	2052	1917	1572	2114	2126	1959	1716	2213	1755	1893	2392	2058	1956
41 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Public Utility District	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 USBR Obligation	614	614	532	415	279	368	336	334	405	472	472	556	598	632
44 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
Total Power Sales Contracts														
45 Cooperative	2571	2571	2351	2357	2731	3135	3061	2921	2601	2538	2538	2436	2489	2685
46 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
47 Federal Entities	133	133	129	149	189	207	213	204	184	155	155	141	135	145
48 Municipality	2347	2300	2288	2102	2716	2888	2847	2635	2754	2199	2268	2262	2040	2243
49 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
50 Public Utility District	4013	3921	3743	3700	4572	4875	4715	4282	4571	3946	4084	4371	3933	3891
51 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
52 Total Power Sales Contracts	9773	9634	9136	8818	10583	11568	11267	10471	10610	9405	9613	9862	9289	9691

BPA Sales to Preference and Legacy Customers

Operating Year 2020 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
53 DSI Obligation	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
54 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
55 Load Following	4328	4328	4039	4335	5039	5690	5672	5417	4882	4610	4610	4216	4199	4499
56 Cooperative	2590	2590	2368	2391	2764	3166	3094	2952	2631	2571	2571	2467	2520	2718
57 Municipality	799	799	732	768	895	995	1034	990	887	805	805	732	751	830
58 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
59 Public Utility District	791	791	796	1014	1175	1306	1314	1255	1166	1067	1067	864	780	793
60 Federal Entities	143	143	137	156	200	218	225	215	193	162	162	148	141	153
61 Slice Block	1596	1596	1668	1634	2014	2237	2265	2021	1948	1641	1641	1449	1359	1580
62 Municipality	475	475	600	529	741	806	836	765	764	523	523	342	269	443
63 Public Utility District	1121	1121	1068	1104	1272	1430	1429	1256	1184	1118	1118	1108	1091	1137
64 Slice Output from T1 System	3305	3134	3320	2425	3316	3287	3016	2856	3553	2789	2446	3753	3387	3100
65 Municipality	1110	1052	1115	814	1113	1104	1013	959	1193	936	821	1260	1137	1041
66 Public Utility District	2195	2082	2205	1611	2202	2184	2004	1897	2360	1853	1625	2493	2250	2059
67 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Public Utility District	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 USBR Obligation	614	614	532	415	279	368	336	334	405	472	472	556	598	632
70 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
Total Power Sales Contracts														
71 Cooperative	2590	2590	2368	2391	2764	3166	3094	2952	2631	2571	2571	2467	2520	2718
72 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
73 Federal Entities	143	143	137	156	200	218	225	215	193	162	162	148	141	153
74 Municipality	2384	2326	2447	2112	2750	2904	2883	2714	2843	2265	2150	2333	2157	2314
75 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
76 Public Utility District	4107	3994	4070	3730	4650	4920	4747	4408	4711	4038	3810	4464	4121	3989
77 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
78 Total Power Sales Contracts	9932	9761	9648	8899	10738	11672	11380	10717	10878	9602	9260	10063	9632	9900

BPA Sales to Preference and Legacy Customers

Operating Year 2021 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
79 DSI Obligation	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
80 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
81 Load Following	4404	4404	4114	4393	5097	5749	5712	5423	4920	4646	4646	4248	4233	4538
82 Cooperative	2623	2623	2401	2405	2777	3180	3114	2946	2650	2589	2589	2485	2539	2739
83 Municipality	829	829	762	798	926	1025	1039	992	891	810	810	736	756	835
84 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
85 Public Utility District	797	797	802	1027	1187	1318	1327	1267	1179	1079	1079	872	790	805
86 Federal Entities	150	150	143	157	202	220	227	213	195	164	164	149	143	154
87 Slice Block	1574	1574	1646	1676	2066	2295	2324	2147	1998	1684	1684	1488	1395	1621
88 Municipality	465	465	589	542	759	826	856	811	782	537	537	351	276	455
89 Public Utility District	1110	1110	1057	1134	1307	1469	1468	1336	1216	1147	1147	1137	1119	1166
90 Slice Output from T1 System	3143	3121	2774	2269	3271	3262	2977	2817	3057	2769	2411	3757	3001	3055
91 Municipality	1055	1048	932	762	1098	1095	999	946	1026	930	810	1261	1008	1026
92 Public Utility District	2088	2073	1843	1507	2172	2167	1977	1871	2030	1840	1602	2495	1994	2029
93 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Public Utility District	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 USBR Obligation	614	614	532	415	279	368	336	334	405	472	472	556	598	632
96 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
Total Power Sales Contracts														
97 Cooperative	2623	2623	2401	2405	2777	3180	3114	2946	2650	2589	2589	2485	2539	2739
98 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
99 Federal Entities	150	150	143	157	202	220	227	213	195	164	164	149	143	154
100 Municipality	2349	2342	2283	2102	2783	2946	2895	2749	2700	2276	2156	2348	2040	2316
101 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
102 Public Utility District	3994	3980	3702	3668	4667	4954	4772	4474	4425	4066	3828	4505	3903	4000
103 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
104 Total Power Sales Contracts	9825	9802	9155	8844	10803	11764	11439	10812	10470	9662	9304	10138	9317	9935

BPA Sales to Preference and Legacy Customers
Operating Year 2022 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
105 DSI Obligation	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
106 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
107 Load Following	4443	4443	4142	4413	5119	5773	5736	5479	4941	4666	4666	4267	4252	4559
108 Cooperative	2644	2644	2421	2417	2789	3194	3128	2985	2662	2602	2602	2497	2551	2752
109 Municipality	834	834	767	803	931	1031	1045	1001	896	814	814	740	760	840
110 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
111 Public Utility District	809	809	805	1030	1190	1322	1330	1270	1182	1081	1081	875	793	807
112 Federal Entities	152	152	145	158	203	221	228	218	196	165	165	150	143	155
113 Slice Block	1615	1615	1688	1640	2021	2245	2274	2101	1955	1648	1648	1456	1365	1586
114 Municipality	476	476	603	531	743	808	838	794	765	525	525	344	271	445
115 Public Utility District	1139	1139	1085	1109	1278	1437	1436	1307	1190	1122	1122	1113	1095	1140
116 Slice Output from T1 System	3102	3070	2961	2301	3282	3288	2989	2839	3049	2778	2427	3744	3431	3090
117 Municipality	1041	1031	994	772	1102	1104	1004	953	1024	933	815	1257	1152	1038
118 Public Utility District	2060	2040	1967	1528	2180	2184	1985	1886	2025	1845	1612	2487	2279	2053
119 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120 Public Utility District	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 USBR Obligation	614	614	532	415	279	368	336	334	405	472	472	556	598	632
122 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
Total Power Sales Contracts														
123 Cooperative	2644	2644	2421	2417	2789	3194	3128	2985	2662	2602	2602	2497	2551	2752
124 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
125 Federal Entities	152	152	145	158	203	221	228	218	196	165	165	150	143	155
126 Municipality	2352	2341	2364	2106	2775	2943	2886	2748	2685	2272	2155	2341	2183	2323
127 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
128 Public Utility District	4008	3987	3857	3667	4649	4943	4751	4463	4396	4049	3816	4474	4167	4000
129 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
130 Total Power Sales Contracts	9863	9832	9412	8859	10791	11764	11426	10843	10440	9654	9304	10112	9736	9956

BPA Sales to Preference and Legacy Customers

Operating Year 2023 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
131 DSI Obligation	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
132 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
133 Load Following	4464	4464	4172	4444	5151	5807	5768	5510	4971	4695	4695	4295	4280	4589
134 Cooperative	2657	2657	2433	2438	2812	3218	3149	3005	2681	2620	2620	2514	2568	2771
135 Municipality	839	839	771	807	935	1035	1051	1006	902	819	819	745	765	846
136 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
137 Public Utility District	811	811	817	1035	1196	1328	1336	1276	1187	1087	1087	880	798	812
138 Federal Entities	153	153	145	158	202	221	227	218	196	164	164	150	143	155
139 Slice Block	1580	1580	1651	1685	2077	2308	2336	2159	2009	1694	1694	1497	1404	1629
140 Municipality	466	466	590	545	762	830	860	815	786	540	540	354	279	458
141 Public Utility District	1114	1114	1061	1140	1314	1478	1476	1343	1223	1153	1153	1143	1125	1171
142 Slice Output from T1 System	3123	3098	2993	2236	3220	3238	2937	2777	2958	2515	2365	3783	2971	3257
143 Municipality	1049	1040	1005	751	1081	1087	986	932	993	845	794	1270	997	1094
144 Public Utility District	2075	2058	1988	1485	2139	2151	1951	1845	1965	1671	1571	2513	1973	2163
145 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146 Public Utility District	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 USBR Obligation	614	614	532	415	279	368	336	334	405	472	472	556	598	632
148 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
Total Power Sales Contracts														
149 Cooperative	2657	2657	2433	2438	2812	3218	3149	3005	2681	2620	2620	2514	2568	2771
150 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
151 Federal Entities	153	153	145	158	202	221	227	218	196	164	164	150	143	155
152 Municipality	2354	2345	2366	2103	2779	2952	2897	2754	2681	2204	2153	2369	2042	2397
153 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
154 Public Utility District	3999	3982	3866	3660	4649	4956	4763	4464	4375	3911	3811	4536	3896	4147
155 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
156 Total Power Sales Contracts	9871	9845	9437	8870	10816	11811	11468	10870	10432	9467	9316	10221	9342	10196

BPA Sales to Preference and Legacy Customers

Operating Year 2024 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
157 DSI Obligation	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
158 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
159 Load Following	4494	4494	4202	4469	5178	5836	5797	5536	4996	4720	4720	4318	4303	4614
160 Cooperative	2676	2676	2452	2453	2827	3234	3166	3020	2696	2636	2636	2529	2583	2787
161 Municipality	844	844	776	811	940	1040	1055	1010	905	822	822	748	768	849
162 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
163 Public Utility District	816	816	822	1040	1202	1334	1342	1282	1193	1092	1092	886	803	817
164 Federal Entities	152	152	145	159	204	222	229	219	197	166	166	151	144	156
165 Slice Block	1623	1623	1696	1654	2038	2265	2294	2046	1972	1662	1662	1470	1378	1599
166 Municipality	479	479	606	536	749	815	845	773	772	531	531	348	275	450
167 Public Utility District	1144	1144	1090	1119	1289	1450	1448	1273	1200	1132	1132	1122	1104	1149
168 Slice Output from T1 System	3058	3025	2918	2302	3283	3289	2990	2840	3050	2782	2431	3742	3432	3091
169 Municipality	1027	1016	980	773	1102	1104	1004	954	1024	934	816	1256	1152	1038
170 Public Utility District	2031	2009	1938	1529	2181	2185	1986	1886	2026	1848	1615	2486	2280	2054
171 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172 Public Utility District	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 USBR Obligation	614	614	532	415	279	368	336	334	405	472	472	556	598	632
174 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
Total Power Sales Contracts														
175 Cooperative	2676	2676	2452	2453	2827	3234	3166	3020	2696	2636	2636	2529	2583	2787
176 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
177 Federal Entities	152	152	145	159	204	222	229	219	197	166	166	151	144	156
178 Municipality	2351	2339	2362	2120	2791	2960	2904	2737	2701	2287	2169	2352	2195	2337
179 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
180 Public Utility District	3992	3969	3851	3688	4672	4969	4777	4441	4419	4072	3839	4493	4186	4020
181 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
182 Total Power Sales Contracts	9879	9845	9437	8930	10868	11848	11507	10846	10513	9727	9376	10176	9801	10025

BPA Sales to Preference and Legacy Customers

Operating Year 2025 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
183 DSI Obligation	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
184 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
185 Load Following	4520	4520	4226	4488	5200	5859	5821	5525	5016	4739	4739	4336	4320	4633
186 Cooperative	2692	2692	2468	2461	2836	3245	3176	3003	2704	2643	2643	2535	2589	2794
187 Municipality	848	848	779	815	944	1045	1060	1012	909	826	826	752	773	854
188 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
189 Public Utility District	821	821	827	1046	1208	1340	1348	1287	1198	1098	1098	891	808	822
190 Federal Entities	153	153	146	161	206	225	232	218	200	168	168	153	146	158
191 Slice Block	1593	1593	1665	1691	2083	2315	2344	2166	2015	1699	1699	1503	1409	1634
192 Municipality	471	471	595	548	766	834	864	819	789	543	543	357	282	461
193 Public Utility District	1122	1122	1069	1143	1318	1482	1480	1347	1226	1156	1156	1146	1127	1174
194 Slice Output from T1 System	3124	3098	2994	2200	3184	3203	2902	2742	2922	2483	2332	3745	2935	3222
195 Municipality	1049	1040	1005	739	1069	1075	974	921	981	834	783	1258	986	1082
196 Public Utility District	2075	2058	1989	1462	2115	2127	1927	1821	1941	1649	1549	2488	1950	2140
197 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198 Public Utility District	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 USBR Obligation	614	614	532	415	279	368	336	334	405	472	472	556	598	632
200 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
Total Power Sales Contracts														
201 Cooperative	2692	2692	2468	2461	2836	3245	3176	3003	2704	2643	2643	2535	2589	2794
202 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
203 Federal Entities	153	153	146	161	206	225	232	218	200	168	168	153	146	158
204 Municipality	2368	2359	2380	2102	2779	2954	2898	2752	2680	2203	2152	2366	2040	2396
205 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
206 Public Utility District	4019	4001	3886	3650	4640	4949	4756	4455	4366	3903	3803	4525	3885	4136
207 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
208 Total Power Sales Contracts	9941	9914	9506	8884	10836	11836	11493	10857	10449	9483	9332	10229	9352	10210

BPA Sales to Preference and Legacy Customers

Operating Year 2026 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
209 DSI Obligation	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
210 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
211 Load Following	4538	4538	4243	4512	5226	5887	5849	5586	5041	4762	4762	4358	4342	4657
212 Cooperative	2699	2699	2474	2473	2849	3258	3190	3042	2716	2655	2655	2546	2600	2807
213 Municipality	852	852	784	819	949	1050	1065	1020	914	830	830	756	777	858
214 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
215 Public Utility District	826	826	832	1051	1213	1346	1354	1293	1204	1103	1103	896	813	827
216 Federal Entities	155	155	148	163	209	228	235	225	202	170	170	155	148	160
217 Slice Block	1628	1628	1701	1653	2037	2264	2292	2118	1971	1661	1661	1470	1378	1598
218 Municipality	482	482	609	536	748	815	845	801	772	531	531	348	275	450
219 Public Utility District	1146	1146	1092	1118	1289	1449	1448	1317	1199	1131	1131	1121	1102	1148
220 Slice Output from T1 System	3023	2989	2883	2303	3284	3285	2986	2836	3046	2778	2427	3741	3428	3087
221 Municipality	1015	1004	968	773	1103	1103	1003	952	1023	933	815	1256	1151	1037
222 Public Utility District	2008	1986	1915	1530	2182	2182	1984	1884	2023	1845	1612	2485	2277	2051
223 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
224 Public Utility District	0	0	0	0	0	0	0	0	0	0	0	0	0	0
225 USBR Obligation	614	614	532	415	279	368	336	334	405	472	472	556	598	632
226 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
Total Power Sales Contracts														
227 Cooperative	2699	2699	2474	2473	2849	3258	3190	3042	2716	2655	2655	2546	2600	2807
228 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
229 Federal Entities	155	155	148	163	209	228	235	225	202	170	170	155	148	160
230 Municipality	2350	2338	2360	2128	2800	2968	2912	2773	2708	2294	2176	2360	2203	2345
231 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
232 Public Utility District	3981	3958	3840	3698	4684	4977	4785	4494	4426	4079	3846	4502	4192	4026
233 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
234 Total Power Sales Contracts	9893	9859	9448	8973	10916	11894	11555	10964	10552	9764	9413	10214	9835	10064

BPA Sales to Preference and Legacy Customers

Operating Year 2027 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
235 DSI Obligation	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
236 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
237 Load Following	4563	4563	4266	4546	5261	5924	5869	5604	5058	4775	4775	4369	4354	4670
238 Cooperative	2711	2711	2486	2497	2874	3284	3198	3049	2722	2658	2658	2548	2602	2810
239 Municipality	857	857	788	822	953	1054	1069	1024	917	833	833	759	780	862
240 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
241 Public Utility District	831	831	837	1056	1219	1352	1360	1299	1210	1108	1108	902	818	832
242 Federal Entities	157	157	150	164	211	230	237	227	204	171	171	156	149	161
243 Slice Block	1592	1592	1663	1687	2078	2310	2339	2161	2009	1694	1694	1499	1405	1630
244 Municipality	471	471	595	542	757	824	855	810	780	535	535	350	275	454
245 Public Utility District	1121	1121	1068	1146	1321	1486	1484	1350	1229	1159	1159	1149	1130	1176
246 Slice Output from T1 System	3120	3095	2990	2212	3195	3214	2913	2753	2933	2494	2343	3759	2946	3233
247 Municipality	1048	1039	1004	743	1073	1079	978	924	985	837	787	1262	989	1085
248 Public Utility District	2073	2056	1986	1469	2123	2135	1935	1829	1948	1656	1556	2497	1957	2147
249 Tier 1 Block	0	0	0	0	0	0	0	0	0	0	0	0	0	0
250 Public Utility District	0	0	0	0	0	0	0	0	0	0	0	0	0	0
251 USBR Obligation	614	614	532	415	279	368	336	334	405	472	472	556	598	632
252 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
Total Power Sales Contracts														
253 Cooperative	2711	2711	2486	2497	2874	3284	3198	3049	2722	2658	2658	2548	2602	2810
254 Direct Service Industry	89.5	89.5	89.2	90.1	90.0	89.7	90.2	89.7	89.9	90.3	90.3	89.9	89.3	89.4
255 Federal Entities	157	157	150	164	211	230	237	227	204	171	171	156	149	161
256 Municipality	2376	2367	2387	2107	2783	2956	2902	2759	2682	2206	2155	2370	2044	2401
257 Other	5.14	5.14	5.14	5.14	5.14	5.14	5.05	5.14	5.14	4.46	4.46	5.14	5.14	5.14
258 Public Utility District	4025	4008	3892	3671	4663	4972	4779	4478	4387	3924	3824	4547	3904	4156
259 USBR	614	614	532	415	279	368	336	334	405	472	472	556	598	632
260 Total Power Sales Contracts	9978	9953	9541	8950	10904	11906	11547	10941	10495	9526	9375	10272	9392	10255

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Exhibit 22
Regional Regulated Hydro

Monthly 1-Hour Capacity
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional: Regulated Hydro
Operating Year 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	37.2	37.2	48.4	40.1	25.1	21.4	22.5	22.0	22.0	28.5	33.7	38.8	46.9	42.1
2 Alder Hydroelectric	37.1	30.5	0	0	0	42.0	37.6	33.9	29.5	30.3	0	45.4	50.7	48.0
3 Bonneville	887	887	853	874	872	930	960	949	938	935	935	928	986	953
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	912	676
5 Box Canyon Dam	64.9	65.0	64.5	62.9	63.0	63.9	64.6	64.2	64.2	82.8	81.5	76.8	71.2	70.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	56.6	55.4	55.4	65.4	65.6	65.0	63.9	63.2	62.8	4.00	3.00	3.00	64.9	67.0
9 Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
10 Cushman 1	36.2	30.3	26.7	22.7	21.8	18.8	16.5	16.1	17.5	21.7	24.2	23.5	24.8	23.8
11 Cushman 2	88.0	88.0	0.33	0.99	3.30	88.0	5.93	88.0	3.63	1.98	1.98	88.0	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	4263	4413	4024	4229	4977	4691	4844	4971	4854	4237	3975	3921	4236	4521
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	351	344	287	287	290	313	318	285	236	238	210	224	353	356
19 Ice Harbor	510	497	567	523	533	601	586	620	626	654	630	657	679	561
20 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	63.7	64.0	64.0	64.0	63.3	63.9	63.5	63.4	63.3	64.0	63.5	63.5	63.3
23 Libby	483	465	512	467	556	583	483	500	480	469	502	572	579	574
24 Little Falls	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.4	34.2	33.6	36.0	36.6
25 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
26 Long Lake	72.0	72.0	72.2	72.2	72.2	68.6	65.2	65.2	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	0	0	0	0	55.9	49.7	49.7	-41.0	-46.0	62.3	66.7	70.6
28 Lower Granite	510	504	575	606	622	697	737	832	843	776	835	853	857	725
29 Lower Monumental	682	746	788	685	744	739	810	861	838	830	915	912	904	801
30 Mayfield	125	125	125	125	125	169	125	125	125	125	125	83.6	144	125
31 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
32 Merwin	147	146	140	130	134	128	113	113	113	113	124	124	130	147
33 Monroe Street	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
34 Mossyrock	378	378	378	365	327	252	168	148	166	203	242	0	378	378
35 Nine Mile	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.3	16.5	16.2	17.2	17.6
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	341	441	441	441	433	433	441	441	441	544	541	541
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103
41 Pelton Rereq	10.1	10.1	-4.36	11.3	10.5	9.45	8.70	9.83	10.4	11.6	12.2	11.5	10.2	11.3
42 Post Falls	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	15.0	13.2	17.2	17.2
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	571	578	565	539	526	553	582	590	602	602	594	570	572	581
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	395	393	348	302	409	362	291	191	187	189	250	361	443
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	142	264	229	168	0.21	154	152	158	0.23	233	264	264
50 Swift 2	62.1	62.1	41.3	62.4	69.4	76.1	0.10	76.1	76.1	76.1	0.10	76.1	63.4	60.6
51 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	101	97.7	90.7	35.9	84.4	0.06	41.2	84.4	93.6	103	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	9.38	8.68	8.44	9.16	10.2
55 Wanapum	671	665	661	661	706	668	661	661	661	661	668	674	672	663
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	111	133	130	122	108	94.0	94.0	106	106	0	133	131

Regional: Regulated Hydro
Operating Year 2018 Water Year: 1937
2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Regulated Hydro														
58 Federal Entities	16079	16219	15900	15576	16733	17292	17590	17956	17545	16770	16785	16975	17603	17126
59 Investor Owned Utilities	4318	4248	3994	4191	4303	4301	4158	4298	4234	4160	4068	4461	4595	4559
60 Marketer	806	782	726	709	727	756	782	782	775	752	776	768	790	802
61 Municipality	2269	2232	2262	2201	2133	2187	1967	1958	1775	1836	1810	1988	2409	2317
62 Public Utility District	2294	2293	2153	2190	2241	2239	2165	2222	2169	2122	2168	2250	2311	2300
63 Total Regulated Hydro	25766	25773	25035	24868	26137	26774	26662	27216	26499	25641	25607	26442	27708	27103

Regional: Regulated Hydro
Operating Year 2019 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	41.9	41.9	48.3	40.1	25.1	21.4	22.5	22.0	22.0	28.5	33.7	38.8	46.9	42.1
2 Alder Hydroelectric	37.1	0	0	0	0	42.0	37.6	33.9	29.5	30.3	0	45.4	50.7	48.0
3 Bonneville	887	887	853	874	872	930	960	949	938	935	935	928	986	953
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	912	676
5 Box Canyon Dam	64.9	65.2	64.4	62.9	63.0	63.9	64.6	64.2	64.2	82.8	81.5	76.8	71.2	70.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	2.00	65.4	65.4	65.6	65.0	63.9	63.2	62.8	4.00	3.00	3.00	64.9	67.0
9 Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
10 Cushman 1	26.7	23.9	23.4	22.7	21.8	18.8	16.5	16.1	17.5	21.7	24.2	23.5	24.8	23.8
11 Cushman 2	88.0	0	0.33	0.99	3.30	88.0	5.93	88.0	3.63	1.98	1.98	88.0	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	4254	4392	4024	4229	4977	4691	4844	4970	4852	4236	3974	3921	4236	4521
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	351	344	287	287	290	313	318	285	236	238	210	224	353	356
19 Ice Harbor	510	497	567	523	533	601	586	620	626	654	630	657	679	561
20 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	64.0	64.0	64.0	64.0	63.3	63.9	63.5	63.4	63.3	64.0	63.5	63.5	63.3
23 Libby	483	465	512	467	556	583	483	500	480	469	502	572	579	574
24 Little Falls	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.4	34.2	33.6	36.0	36.6
25 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
26 Long Lake	72.0	72.2	72.5	72.2	72.2	68.6	65.2	65.2	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	56.3	0	0	0	0	55.9	49.7	49.7	-41.0	-46.0	62.3	66.7	70.6
28 Lower Granite	445	504	575	606	622	697	737	832	843	776	835	853	857	725
29 Lower Monumental	682	746	788	685	744	739	810	861	838	830	915	912	904	801
30 Mayfield	125	125	125	125	125	169	125	125	125	125	125	83.6	144	125
31 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
32 Merwin	147	140	135	130	134	128	113	113	113	113	124	124	130	147
33 Monroe Street	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
34 Mossyrock	378	378	378	365	327	252	168	148	166	203	242	0	378	378
35 Nine Mile	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.3	16.5	16.2	17.2	17.6
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	306	369	441	441	441	433	433	441	441	441	544	541	541
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103
41 Pelton Rereq	10.1	9.72	-4.43	11.3	10.5	9.45	8.70	9.83	10.4	11.6	12.2	11.5	10.2	11.3
42 Post Falls	17.2	17.0	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	15.0	13.2	17.2	17.2
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	570	578	565	539	526	553	582	590	602	602	594	570	572	581
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	307	395	348	302	409	362	291	191	187	189	250	361	443
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	65.9	243	264	229	168	0.21	154	152	158	0.23	233	264	264
50 Swift 2	62.1	18.8	60.7	62.4	69.4	76.1	0.10	76.1	76.1	76.1	0.10	76.1	63.4	60.6
51 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	101	97.7	90.7	35.9	84.4	0.06	41.2	84.4	93.6	103	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	9.38	8.68	8.44	9.16	10.2
55 Wanapum	672	665	661	661	706	668	661	661	661	661	668	674	672	663
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	0	133	133	130	122	108	94.0	94.0	106	106	0	133	131

Regional: Regulated Hydro
Operating Year 2019 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Regulated Hydro														
58 Federal Entities	16010	16203	15899	15576	16733	17292	17590	17956	17544	16769	16784	16975	17603	17126
59 Investor Owned Utilities	4317	3906	3701	3732	3844	3842	3699	3843	3816	3740	3630	4002	4136	4114
60 Marketer	806	782	726	709	727	756	782	782	775	752	776	768	790	802
61 Municipality	2260	2019	2261	2201	2133	2187	1967	1958	1775	1836	1810	1988	2409	2317
62 Public Utility District	2304	2177	2621	2649	2699	2697	2624	2677	2587	2542	2606	2709	2769	2746
63 Total Regulated Hydro	25698	25087	25207	24868	26137	26774	26662	27216	26498	25639	25606	26442	27708	27103

Regional: Regulated Hydro
Operating Year 2020 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	41.9	41.9	48.3	40.1	25.1	21.4	22.5	22.0	22.0	28.5	33.7	38.8	46.9	42.1
2 Alder Hydroelectric	37.1	0	0	0	0	42.0	33.0	4.28	37.0	36.3	41.1	43.1	48.3	48.7
3 Bonneville	887	887	853	874	872	930	960	949	938	935	935	928	986	953
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	912	676
5 Box Canyon Dam	64.9	65.2	64.4	62.9	63.0	63.9	64.6	64.2	64.2	82.8	81.5	76.8	71.3	70.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	2.00	65.4	65.4	65.6	65.0	63.8	63.4	63.3	4.00	3.00	62.8	64.6	66.9
9 Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
10 Cushman 1	26.7	23.9	23.4	22.7	21.8	18.8	15.8	15.8	18.4	22.5	25.0	24.2	25.4	24.4
11 Cushman 2	88.0	0	0.33	0.99	3.30	88.0	88.0	4.94	3.63	1.98	1.98	88.0	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	4254	4392	4024	4229	5002	4849	5110	5137	4797	4072	3874	3921	4236	4521
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	351	344	287	287	290	313	318	285	236	238	210	224	353	356
19 Ice Harbor	510	497	567	523	533	601	586	620	626	654	630	657	679	561
20 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	64.0	64.0	64.0	64.0	63.3	63.7	64.0	63.3	63.3	63.8	63.3	63.7	63.3
23 Libby	483	465	512	467	556	583	483	500	480	469	502	572	579	574
24 Little Falls	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.4	34.2	33.6	36.0	36.6
25 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
26 Long Lake	72.0	72.2	72.5	72.2	72.2	68.6	63.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	56.3	0	0	0	0	55.4	49.7	49.7	-41.0	-46.0	58.5	63.6	70.6
28 Lower Granite	445	504	575	606	622	697	737	832	843	776	835	853	857	725
29 Lower Monumental	682	746	788	685	744	739	810	861	838	830	915	912	904	801
30 Mayfield	125	125	125	125	125	169	125	125	125	125	125	83.6	125	125
31 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
32 Merwin	147	140	135	136	139	128	113	115	115	113	124	124	131	148
33 Monroe Street	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
34 Mossyrock	378	378	378	365	327	252	159	134	157	196	236	0	378	378
35 Nine Mile	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.3	16.5	16.2	17.2	17.6
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	306	369	440	441	441	433	433	441	441	441	544	544	544
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103
41 Pelton Rereq	10.1	9.72	-4.43	11.2	10.5	9.45	8.70	9.83	10.4	11.6	12.2	11.5	10.2	11.3
42 Post Falls	17.2	17.0	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	15.0	13.2	17.2	17.2
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	570	578	565	539	526	553	582	590	602	602	602	570	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	307	395	343	297	400	352	299	227	205	197	247	353	437
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	65.9	243	260	225	168	140	140	152	158	0.23	233	265	265
50 Swift 2	62.1	18.8	60.7	63.8	70.5	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	101	81.1	90.7	83.0	83.0	0.06	41.2	84.4	90.0	100	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	9.38	8.68	8.44	9.17	10.2
55 Wanapum	672	665	661	661	706	668	661	661	661	661	661	674	672	668
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	0	133	133	126	122	108	94.0	94.0	106	106	0	133	132

Regional: Regulated Hydro
Operating Year 2020 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Regulated Hydro														
58 Federal Entities	16010	16203	15899	15576	16758	17450	17856	18123	17489	16605	16684	16975	17603	17125
59 Investor Owned Utilities	3859	3448	3701	3736	3827	3842	3903	3832	3818	3740	3630	3994	4135	4117
60 Marketer	806	782	726	709	727	756	782	782	775	752	778	768	790	801
61 Municipality	2260	2019	2261	2196	2127	2178	2025	1840	1810	1853	1851	1984	2380	2313
62 Public Utility District	2763	2636	2621	2649	2699	2697	2680	2673	2588	2542	2605	2768	2769	2746
63 Total Regulated Hydro	25698	25087	25207	24866	26139	26923	27247	27251	26480	25492	25548	26489	27677	27102

Regional: Regulated Hydro
Operating Year 2021 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	41.9	41.9	48.3	40.1	25.1	21.4	22.5	22.0	22.0	28.5	33.7	38.8	46.9	42.1
2 Alder Hydroelectric	37.1	0	0	0	0	42.0	33.0	4.28	37.0	36.3	41.1	43.1	48.3	48.7
3 Bonneville	887	887	853	874	872	930	960	949	938	935	935	928	986	953
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	912	676
5 Box Canyon Dam	64.9	65.2	64.4	62.9	63.0	63.9	64.6	64.2	64.2	82.8	81.5	76.8	71.3	70.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	2.00	65.4	65.4	65.6	65.0	63.8	63.4	63.3	4.00	3.00	62.8	64.6	66.9
9 Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
10 Cushman 1	26.7	23.9	23.4	22.7	21.8	18.8	15.8	15.8	18.4	22.5	25.0	24.2	25.4	24.4
11 Cushman 2	88.0	0	0.33	0.99	3.30	88.0	88.0	4.94	3.63	1.98	1.98	88.0	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	4254	4392	4024	4229	5002	4849	5110	5137	4797	4072	3874	3921	4236	4521
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	351	344	287	287	290	313	318	285	236	238	210	224	353	356
19 Ice Harbor	510	497	567	523	533	601	586	620	626	654	630	657	679	561
20 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	64.0	64.0	64.0	64.0	63.3	63.7	64.0	63.3	63.3	63.8	63.3	63.7	63.3
23 Libby	483	465	512	467	556	583	483	500	480	469	502	572	579	574
24 Little Falls	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.4	34.2	33.6	36.0	36.6
25 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
26 Long Lake	72.0	72.2	72.4	72.2	72.2	68.6	63.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	56.3	0	0	0	0	55.4	49.7	49.7	-41.0	-46.0	58.5	63.6	70.6
28 Lower Granite	445	504	575	606	622	697	737	832	843	776	835	853	857	725
29 Lower Monumental	682	746	788	685	744	739	810	861	838	830	915	912	904	801
30 Mayfield	125	125	125	125	125	169	125	125	125	125	125	83.6	125	125
31 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
32 Merwin	147	140	136	136	139	128	113	115	115	113	124	124	131	148
33 Monroe Street	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
34 Mossyrock	378	378	378	365	327	252	159	134	157	196	236	0	378	378
35 Nine Mile	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.3	16.5	16.2	17.2	17.6
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	306	372	440	441	441	433	433	441	441	441	544	544	544
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103
41 Pelton Rereq	10.1	9.72	-4.49	11.2	10.5	9.45	8.70	9.83	10.4	11.6	12.2	11.5	10.2	11.3
42 Post Falls	17.2	17.0	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	15.0	13.2	17.2	17.2
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	571	578	565	539	526	553	582	590	602	602	602	570	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	307	393	343	297	400	352	299	227	205	197	247	353	437
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	65.9	265	260	225	168	140	140	152	158	0.23	233	265	265
50 Swift 2	62.1	18.8	60.9	63.8	70.5	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	101	81.1	90.7	83.0	83.0	0.06	41.2	84.4	90.0	100	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	9.38	8.68	8.44	9.17	10.2
55 Wanapum	671	664	661	661	706	668	661	661	661	661	661	674	672	668
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	0	133	133	126	122	108	94.0	94.0	106	106	0	133	132

Regional: Regulated Hydro
Operating Year 2021 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Regulated Hydro														
58 Federal Entities	16010	16203	15899	15576	16758	17450	17856	18123	17489	16605	16684	16975	17603	17125
59 Investor Owned Utilities	3859	3448	3721	3736	3827	3842	3903	3832	3818	3740	3630	3994	4135	4117
60 Marketer	806	782	726	709	727	756	782	782	775	752	778	768	790	801
61 Municipality	2260	2019	2259	2196	2127	2178	2025	1840	1810	1853	1851	1984	2380	2313
62 Public Utility District	2763	2636	2627	2649	2699	2697	2680	2673	2588	2542	2605	2768	2769	2746
63 Total Regulated Hydro	25698	25087	25232	24866	26139	26923	27247	27251	26480	25492	25548	26489	27677	27102

Regional: Regulated Hydro
Operating Year 2022 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	41.9	41.9	48.3	40.1	25.1	21.4	22.5	22.0	22.0	28.5	33.7	38.8	46.9	42.1
2 Alder Hydroelectric	37.1	0	0	0	0	42.0	33.0	4.28	37.0	36.3	41.1	43.1	48.3	48.7
3 Bonneville	887	887	853	874	872	930	960	949	938	935	935	928	986	953
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	912	676
5 Box Canyon Dam	64.9	65.2	64.4	62.9	63.0	63.9	64.6	64.2	64.2	82.8	81.5	76.8	71.3	70.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	2.00	65.4	65.4	65.6	65.0	63.8	63.4	63.3	4.00	3.00	62.8	64.6	66.9
9 Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
10 Cushman 1	26.7	23.9	23.4	22.7	21.8	18.8	15.8	15.8	18.4	22.5	25.0	24.2	25.4	24.4
11 Cushman 2	88.0	0	0.33	0.99	3.30	88.0	88.0	4.94	3.63	1.98	1.98	88.0	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	4254	4392	4024	4229	5002	4849	5110	5137	4797	4072	3874	3921	4236	4521
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	351	344	287	287	290	313	318	285	236	238	210	224	353	356
19 Ice Harbor	510	497	567	523	533	601	586	620	626	654	630	657	679	561
20 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	64.0	64.0	64.0	64.0	63.3	63.7	64.0	63.3	63.3	63.8	63.3	63.7	63.3
23 Libby	483	465	512	467	556	583	483	500	480	469	502	572	579	574
24 Little Falls	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.4	34.2	33.6	36.0	36.6
25 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
26 Long Lake	72.0	72.2	72.4	72.2	72.2	68.6	63.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	56.3	0	0	0	0	55.4	49.7	49.7	-41.0	-46.0	58.5	63.6	70.6
28 Lower Granite	445	504	575	606	622	697	737	832	843	776	835	853	857	725
29 Lower Monumental	682	746	788	685	744	739	810	861	838	830	915	912	904	801
30 Mayfield	125	125	125	125	125	169	125	125	125	125	125	83.6	125	125
31 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
32 Merwin	147	140	136	136	139	128	113	115	115	113	124	124	131	148
33 Monroe Street	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
34 Mossyrock	378	378	378	365	327	252	159	134	157	196	236	0	378	378
35 Nine Mile	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.3	16.5	16.2	17.2	17.6
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	306	372	440	441	441	433	433	441	441	441	544	544	544
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103
41 Pelton Rereq	10.1	9.72	-4.49	11.2	10.5	9.45	8.70	9.83	10.4	11.6	12.2	11.5	10.2	11.3
42 Post Falls	17.2	17.0	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	15.0	13.2	17.2	17.2
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	571	578	565	539	526	553	582	590	602	602	602	570	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	307	393	343	297	400	352	299	227	205	197	247	353	437
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	65.9	265	260	225	168	140	140	152	158	0.23	233	265	265
50 Swift 2	62.1	18.8	60.9	63.8	70.5	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	101	81.1	90.7	83.0	83.0	0.06	41.2	84.4	90.0	100	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	9.38	8.68	8.44	9.17	10.2
55 Wanapum	671	664	661	661	706	668	661	661	661	661	661	674	672	668
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	0	133	133	126	122	108	94.0	94.0	106	106	0	133	132

Regional: Regulated Hydro
Operating Year 2022 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Regulated Hydro														
58 Federal Entities	16010	16203	15899	15576	16758	17450	17856	18123	17489	16605	16684	16975	17603	17125
59 Investor Owned Utilities	3859	3448	3721	3736	3827	3842	3903	3832	3818	3740	3630	3994	4135	4117
60 Marketer	806	782	726	709	727	756	782	782	775	752	778	768	790	801
61 Municipality	2260	2019	2259	2196	2127	2178	2025	1840	1810	1853	1851	1984	2380	2313
62 Public Utility District	2763	2636	2627	2649	2699	2697	2680	2673	2588	2542	2605	2768	2769	2746
63 Total Regulated Hydro	25698	25087	25232	24866	26139	26923	27247	27251	26480	25492	25548	26489	27677	27103

Regional: Regulated Hydro
Operating Year 2023 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	41.9	41.9	48.3	40.1	25.1	21.4	22.5	22.0	22.0	28.5	33.7	38.8	46.9	42.1
2 Alder Hydroelectric	37.1	0	0	0	0	42.0	33.0	4.28	37.0	36.3	41.1	43.1	48.3	48.7
3 Bonneville	887	887	853	874	872	930	960	949	938	935	935	928	986	953
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	912	676
5 Box Canyon Dam	64.9	65.2	64.4	62.9	63.0	63.9	64.6	64.2	64.2	82.8	81.5	76.8	71.3	70.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	2.00	65.4	65.4	65.6	65.0	63.8	63.4	63.3	4.00	3.00	62.8	64.6	66.9
9 Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
10 Cushman 1	26.7	23.9	23.4	22.7	21.8	18.8	15.8	15.8	18.4	22.5	25.0	24.2	25.4	24.4
11 Cushman 2	88.0	0	0.33	0.99	3.30	88.0	88.0	4.94	3.63	1.98	1.98	88.0	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	4254	4392	4024	4229	5002	4849	5110	5137	4797	4072	3874	3921	4236	4521
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	351	344	287	287	290	313	318	285	236	238	210	224	353	356
19 Ice Harbor	510	497	567	523	533	601	586	620	626	654	630	657	679	561
20 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	64.0	64.0	64.0	64.0	63.3	63.7	64.0	63.3	63.3	63.8	63.3	63.7	63.3
23 Libby	483	465	512	467	556	583	483	500	480	469	502	572	579	574
24 Little Falls	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.4	34.2	33.6	36.0	36.6
25 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
26 Long Lake	72.0	72.2	72.4	72.2	72.2	68.6	63.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	56.3	0	0	0	55.4	49.7	49.7	-41.0	-46.0	58.5	63.6	70.6	
28 Lower Granite	445	504	575	606	622	697	737	832	843	776	835	853	857	725
29 Lower Monumental	682	746	788	685	744	739	810	861	838	830	915	912	904	801
30 Mayfield	125	125	125	125	125	169	125	125	125	125	125	83.6	125	125
31 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
32 Merwin	147	140	136	136	139	128	113	115	115	113	124	124	131	148
33 Monroe Street	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
34 Mossyrock	378	378	378	365	327	252	159	134	157	196	236	0	378	378
35 Nine Mile	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.3	16.5	16.2	17.2	17.6
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	306	372	440	441	441	433	433	441	441	441	544	544	544
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103
41 Pelton Rereq	10.1	9.72	-4.49	11.2	10.5	9.45	8.70	9.83	10.4	11.6	12.2	11.5	10.2	11.3
42 Post Falls	17.2	17.0	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	15.0	13.2	17.2	17.2
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	571	578	565	539	526	553	582	590	602	602	602	570	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	307	393	343	297	400	352	299	227	205	197	247	353	437
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	65.9	265	260	225	168	140	140	152	158	0.23	233	265	265
50 Swift 2	62.1	18.8	60.9	63.8	70.5	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	101	81.1	90.7	83.0	83.0	0.06	41.2	84.4	90.0	100	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	9.38	8.68	8.44	9.17	10.2
55 Wanapum	671	664	661	661	706	668	661	661	661	661	661	674	672	668
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	0	133	133	126	122	108	94.0	94.0	106	106	0	133	132

Regional: Regulated Hydro
Operating Year 2023 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Regulated Hydro														
58 Federal Entities	16010	16203	15899	15576	16758	17450	17856	18123	17489	16605	16684	16975	17603	17125
59 Investor Owned Utilities	3859	3448	3721	3736	3827	3842	3903	3832	3818	3740	3630	3994	4135	4117
60 Marketer	806	782	726	709	727	756	782	782	775	752	778	768	790	801
61 Municipality	2260	2019	2259	2196	2127	2178	2025	1840	1810	1853	1851	1984	2380	2313
62 Public Utility District	2763	2636	2627	2649	2699	2697	2680	2673	2588	2542	2605	2768	2769	2746
63 Total Regulated Hydro	25698	25087	25232	24866	26139	26923	27247	27251	26480	25492	25548	26489	27677	27102

Regional: Regulated Hydro
Operating Year 2024 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	41.9	41.9	48.3	40.1	25.1	21.4	22.5	22.0	22.0	28.5	33.7	38.8	46.9	42.1
2 Alder Hydroelectric	37.1	0	0	0	0	42.0	33.0	4.28	37.0	36.3	41.1	43.1	48.3	48.7
3 Bonneville	887	887	853	874	872	930	960	949	938	935	935	928	986	953
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	912	676
5 Box Canyon Dam	64.9	65.2	64.4	62.9	63.0	63.9	64.6	64.2	64.2	82.8	81.5	76.8	71.3	70.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	2.00	65.4	65.4	65.6	65.0	63.8	63.4	63.3	4.00	3.00	62.8	64.6	66.9
9 Chief Joseph	2424	2430	2200	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
10 Cushman 1	26.7	23.9	23.4	22.7	21.8	18.8	15.8	15.8	18.4	22.5	25.0	24.2	25.4	24.4
11 Cushman 2	88.0	0	0.33	0.99	3.30	88.0	88.0	4.94	3.63	1.98	1.98	88.0	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	4254	4392	4024	4229	5002	4849	5110	5137	4797	4072	3874	3921	4236	4521
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	351	344	287	287	290	313	318	285	236	238	210	224	353	356
19 Ice Harbor	510	497	567	523	533	601	586	620	626	654	630	657	679	561
20 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	64.0	64.0	64.0	64.0	63.3	63.7	64.0	63.3	63.3	63.8	63.3	63.7	63.3
23 Libby	483	465	512	467	556	583	483	500	480	469	502	572	579	574
24 Little Falls	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.4	34.2	33.6	36.0	36.6
25 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
26 Long Lake	72.0	72.2	72.4	72.2	72.2	68.6	63.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	56.3	0	0	0	0	55.4	49.7	49.7	-41.0	-46.0	58.5	63.6	70.6
28 Lower Granite	445	504	575	606	622	697	737	832	843	776	835	853	857	725
29 Lower Monumental	682	746	788	685	744	739	810	861	838	830	915	912	904	801
30 Mayfield	125	125	125	125	125	169	125	125	125	125	125	83.6	125	125
31 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
32 Merwin	147	140	136	136	139	128	113	115	115	113	124	124	131	148
33 Monroe Street	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
34 Mossyrock	378	378	378	365	327	252	159	134	157	196	236	0	378	378
35 Nine Mile	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.3	16.5	16.2	17.2	17.6
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	306	372	440	441	441	433	433	441	441	441	544	544	544
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103
41 Pelton Rereq	10.1	9.72	-4.49	11.2	10.5	9.45	8.70	9.83	10.4	11.6	12.2	11.5	10.2	11.3
42 Post Falls	17.2	17.0	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	15.0	13.2	17.2	17.2
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	571	578	565	539	526	553	582	590	602	602	602	570	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	307	393	343	297	400	352	299	227	205	197	247	353	437
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	65.9	265	260	225	168	140	140	152	158	0.23	233	265	265
50 Swift 2	62.1	18.8	60.9	63.8	70.5	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	101	81.1	90.7	83.0	83.0	0.06	41.2	84.4	90.0	100	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	9.38	8.68	8.44	9.17	10.2
55 Wanapum	671	664	661	661	706	668	661	661	661	661	661	674	672	668
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	0	133	133	126	122	108	94.0	94.0	106	106	0	133	132

Regional: Regulated Hydro
Operating Year 2024 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Regulated Hydro														
58 Federal Entities	16010	16203	15899	15694	16963	17491	17890	18110	17458	16669	16728	17071	17750	17302
59 Investor Owned Utilities	3859	3448	3721	3736	3827	3842	3903	3832	3818	3740	3630	3994	4135	4117
60 Marketer	806	782	726	709	727	756	782	782	775	752	778	768	790	801
61 Municipality	2260	2019	2259	2196	2127	2178	2025	1840	1810	1853	1851	1984	2380	2313
62 Public Utility District	2763	2636	2627	2649	2699	2697	2680	2673	2588	2542	2605	2768	2769	2746
63 Total Regulated Hydro	25698	25087	25232	24984	26344	26965	27281	27237	26449	25556	25592	26586	27824	27279

Regional: Regulated Hydro
Operating Year 2025 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	41.9	41.9	48.3	40.1	25.1	21.4	22.5	22.0	22.0	28.5	33.7	38.8	46.9	42.1
2 Alder Hydroelectric	37.1	0	0	0	0	42.0	33.0	4.28	37.0	36.3	41.1	43.1	48.3	48.7
3 Bonneville	887	887	853	874	872	930	960	949	938	935	935	928	986	953
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	912	676
5 Box Canyon Dam	64.9	65.2	64.4	62.9	63.0	63.9	64.6	64.2	64.2	82.8	81.5	76.8	71.3	70.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	2.00	65.4	65.4	65.6	65.0	63.8	63.4	63.3	4.00	3.00	62.8	64.6	66.9
9 Chief Joseph	2416	2391	2219	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
10 Cushman 1	26.7	23.9	23.4	22.7	21.8	18.8	15.8	15.8	18.4	22.5	25.0	24.2	25.4	24.4
11 Cushman 2	88.0	0	0.33	0.99	3.30	88.0	88.0	4.94	3.63	1.98	1.98	88.0	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	4254	4392	4024	4571	5171	5287	5465	5343	5173	4481	4392	4312	4814	5118
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	351	344	287	287	290	313	318	285	236	238	210	224	353	356
19 Ice Harbor	510	497	567	523	533	601	586	620	626	654	630	657	679	561
20 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	64.0	64.0	64.0	64.0	63.3	63.7	64.0	63.3	63.3	63.8	63.3	63.7	63.3
23 Libby	483	465	512	467	556	583	483	500	480	469	502	572	579	574
24 Little Falls	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.4	34.2	33.6	36.0	36.6
25 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
26 Long Lake	72.0	72.2	72.4	72.2	72.2	68.6	63.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	56.3	0	0	0	0	55.4	49.7	49.7	-41.0	-46.0	58.5	63.6	70.6
28 Lower Granite	445	504	575	606	622	697	737	832	843	776	835	853	857	725
29 Lower Monumental	682	746	788	685	744	739	810	861	838	830	915	912	904	801
30 Mayfield	125	125	125	125	125	169	125	125	125	125	125	83.6	125	125
31 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
32 Merwin	147	140	136	136	139	128	113	115	115	113	124	124	131	148
33 Monroe Street	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
34 Mossyrock	378	378	378	365	327	252	159	134	157	196	236	0	378	378
35 Nine Mile	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.3	16.5	16.2	17.2	17.6
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	306	372	440	441	441	433	433	441	441	441	544	544	544
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103
41 Pelton Rereq	10.1	9.72	-4.49	11.2	10.5	9.45	8.70	9.83	10.4	11.6	12.2	11.5	10.2	11.3
42 Post Falls	17.2	17.0	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	15.0	13.2	17.2	17.2
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	571	578	565	539	526	553	582	590	602	602	602	570	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	307	393	343	297	400	352	299	227	205	197	247	353	437
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	65.9	265	260	225	168	140	140	152	158	0.23	233	265	265
50 Swift 2	62.1	18.8	60.9	63.8	70.5	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	101	81.1	90.7	83.0	83.0	0.06	41.2	84.4	90.0	100	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	9.38	8.68	8.44	9.17	10.2
55 Wanapum	671	664	661	661	706	668	661	661	661	661	661	674	672	668
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	0	133	133	126	122	108	94.0	94.0	106	106	0	133	132

Regional: Regulated Hydro
Operating Year 2025 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Regulated Hydro														
58 Federal Entities	16002	16164	15918	16036	17132	17928	18244	18316	17833	17078	17246	17462	18328	17898
59 Investor Owned Utilities	3859	3448	3721	3736	3827	3842	3903	3832	3818	3740	3630	3994	4135	4117
60 Marketer	806	782	726	709	727	756	782	782	775	752	778	768	790	801
61 Municipality	2260	2019	2259	2196	2127	2178	2025	1840	1810	1853	1851	1984	2380	2313
62 Public Utility District	2763	2636	2627	2649	2699	2697	2680	2673	2588	2542	2605	2768	2769	2746
63 Total Regulated Hydro	25690	25048	25250	25326	26513	27402	27635	27443	26824	25966	26110	26976	28402	27875

Regional: Regulated Hydro
Operating Year 2026 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	41.9	41.9	48.3	40.1	25.1	21.4	22.5	22.0	22.0	28.5	33.7	38.8	46.9	42.1
2 Alder Hydroelectric	37.1	0	0	0	0	42.0	33.0	4.28	37.0	36.3	41.1	43.1	48.3	48.7
3 Bonneville	887	887	853	874	872	930	960	949	938	935	935	928	986	953
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	912	676
5 Box Canyon Dam	64.9	65.2	64.4	62.9	63.0	63.9	64.6	64.2	64.2	82.8	81.5	76.8	71.3	70.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	2.00	65.4	65.4	65.6	65.0	63.8	63.4	63.3	4.00	3.00	62.8	64.6	66.9
9 Chief Joseph	2416	2391	2219	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
10 Cushman 1	26.7	23.9	23.4	22.7	21.8	18.8	15.8	15.8	18.4	22.5	25.0	24.2	25.4	24.4
11 Cushman 2	88.0	0	0.33	0.99	3.30	88.0	88.0	4.94	3.63	1.98	1.98	88.0	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5058	5103	4508	4571	5171	5287	5465	5343	5173	4481	4392	4312	4814	5118
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	351	344	287	287	290	313	318	285	236	238	210	224	353	356
19 Ice Harbor	510	497	567	523	533	601	586	620	626	654	630	657	679	561
20 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	64.0	64.0	64.0	64.0	63.3	63.7	64.0	63.3	63.3	63.8	63.3	63.7	63.3
23 Libby	483	465	512	467	556	583	483	500	480	469	502	572	579	574
24 Little Falls	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.4	34.2	33.6	36.0	36.6
25 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
26 Long Lake	72.0	72.2	72.4	72.2	72.2	68.6	63.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	56.3	0	0	0	0	55.4	49.7	49.7	-41.0	-46.0	58.5	63.6	70.6
28 Lower Granite	445	504	575	606	622	697	737	832	843	776	835	853	857	725
29 Lower Monumental	682	746	788	685	744	739	810	861	838	830	915	912	904	801
30 Mayfield	125	125	125	125	125	169	125	125	125	125	125	83.6	125	125
31 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
32 Merwin	147	140	136	136	139	128	113	115	115	113	124	124	131	148
33 Monroe Street	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
34 Mossyrock	378	378	378	365	327	252	159	134	157	196	236	0	378	378
35 Nine Mile	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.3	16.5	16.2	17.2	17.6
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	306	372	440	441	441	433	433	441	441	441	544	544	544
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103
41 Pelton Rereq	10.1	9.72	-4.49	11.2	10.5	9.45	8.70	9.83	10.4	11.6	12.2	11.5	10.2	11.3
42 Post Falls	17.2	17.0	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	15.0	13.2	17.2	17.2
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	571	578	565	539	526	553	582	590	602	602	602	570	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	307	393	343	297	400	352	299	227	205	197	247	353	437
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	65.9	265	260	225	168	140	140	152	158	0.23	233	265	265
50 Swift 2	62.1	18.8	60.9	63.8	70.5	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	101	81.1	90.7	83.0	83.0	0.06	41.2	84.4	90.0	100	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	9.38	8.68	8.44	9.17	10.2
55 Wanapum	671	664	661	661	706	668	661	661	661	661	661	674	672	668
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	0	133	133	126	122	108	94.0	94.0	106	106	0	133	132

Regional: Regulated Hydro
Operating Year 2026 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Regulated Hydro														
58 Federal Entities	16805	16875	16401	16036	17132	17928	18244	18316	17833	17078	17246	17462	18328	17898
59 Investor Owned Utilities	3859	3448	3721	3736	3827	3842	3903	3832	3818	3740	3630	3994	4135	4117
60 Marketer	806	782	726	709	727	756	782	782	775	752	778	768	790	801
61 Municipality	2260	2019	2259	2196	2127	2178	2025	1840	1810	1853	1851	1984	2380	2313
62 Public Utility District	2763	2636	2627	2649	2699	2697	2680	2673	2588	2542	2605	2768	2769	2746
63 Total Regulated Hydro	26493	25760	25734	25326	26513	27402	27635	27443	26824	25966	26110	26976	28402	27875

Regional: Regulated Hydro
Operating Year 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	41.9	41.9	48.3	40.1	25.1	21.4	22.5	22.0	22.0	28.5	33.7	38.8	46.9	42.1
2 Alder Hydroelectric	37.1	0	0	0	0	42.0	33.0	4.28	37.0	36.3	41.1	43.1	48.3	48.7
3 Bonneville	887	887	853	874	872	930	960	949	938	935	935	928	986	953
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	912	676
5 Box Canyon Dam	64.9	65.2	64.4	62.9	63.0	63.9	64.6	64.2	64.2	82.8	81.5	76.8	71.3	70.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	66.4	2.00	65.4	65.4	65.6	65.0	63.8	63.4	63.3	4.00	3.00	62.8	64.6	66.9
9 Chief Joseph	2416	2391	2219	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
10 Cushman 1	26.7	23.9	23.4	22.7	21.8	18.8	15.8	15.8	18.4	22.5	25.0	24.2	25.4	24.4
11 Cushman 2	88.0	0	0.33	0.99	3.30	88.0	88.0	4.94	3.63	1.98	1.98	88.0	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5058	5103	4508	4571	5171	5287	5465	5343	5173	4481	4392	4312	4814	5118
17 Hells Canyon	236	244	271	247	253	281	305	253	307	304	320	361	306	260
18 Hungry Horse	351	344	287	287	290	313	318	285	236	238	210	224	353	356
19 Ice Harbor	510	497	567	523	533	601	586	620	626	654	630	657	679	561
20 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
21 Kerr	179	179	179	178	177	175	173	169	166	164	164	172	178	180
22 La Grande	63.3	64.0	64.0	64.0	64.0	63.3	63.7	64.0	63.3	63.3	63.8	63.3	63.7	63.3
23 Libby	483	465	512	467	556	583	483	500	480	469	502	572	579	574
24 Little Falls	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.4	34.2	33.6	36.0	36.6
25 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
26 Long Lake	72.0	72.2	72.4	72.2	72.2	68.6	63.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	56.3	0	0	0	0	55.4	49.7	49.7	-41.0	-46.0	58.5	63.6	70.6
28 Lower Granite	445	504	575	606	622	697	737	832	843	776	835	853	857	725
29 Lower Monumental	682	746	788	685	744	739	810	861	838	830	915	912	904	801
30 Mayfield	125	125	125	125	125	169	125	125	125	125	125	83.6	125	125
31 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
32 Merwin	147	140	136	136	139	128	113	115	115	113	124	124	131	148
33 Monroe Street	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
34 Mossyrock	378	378	378	365	327	252	159	134	157	196	236	0	378	378
35 Nine Mile	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.3	16.5	16.2	17.2	17.6
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	306	372	440	441	441	433	433	441	441	441	544	544	544
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103
41 Pelton Rereq	10.1	9.72	-4.49	11.2	10.5	9.45	8.70	9.83	10.4	11.6	12.2	11.5	10.2	11.3
42 Post Falls	17.2	17.0	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	15.0	13.2	17.2	17.2
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	571	578	565	539	526	553	582	590	602	602	602	570	572	576
46 Rocky Reach	1296	1297	1154	1115	1187	1233	1194	1187	1187	1187	1296	1296	1296	1296
47 Ross	448	307	393	343	297	400	352	299	227	205	197	247	353	437
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	65.9	265	260	225	168	140	140	152	158	0.23	233	265	265
50 Swift 2	62.1	18.8	60.9	63.8	70.5	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.6	85.2
53 Upper Baker	103	103	103	101	81.1	90.7	83.0	83.0	0.06	41.2	84.4	90.0	100	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	9.38	8.68	8.44	9.17	10.2
55 Wanapum	671	664	661	661	706	668	661	661	661	661	661	674	672	668
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	0	133	133	126	122	108	94.0	94.0	106	106	0	133	132

Regional: Regulated Hydro
Operating Year 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Regulated Hydro														
58 Federal Entities	16805	16875	16401	16036	17132	17928	18244	18316	17833	17078	17246	17462	18328	17898
59 Investor Owned Utilities	3859	3448	3721	3736	3827	3842	3903	3832	3818	3740	3630	3994	4135	4117
60 Marketer	806	782	726	709	727	756	782	782	775	752	778	768	790	801
61 Municipality	2260	2019	2259	2196	2127	2178	2025	1840	1810	1853	1851	1984	2380	2313
62 Public Utility District	2763	2636	2627	2649	2699	2697	2680	2673	2588	2542	2605	2768	2769	2746
63 Total Regulated Hydro	26493	25760	25734	25326	26513	27402	27635	27443	26824	25966	26110	26976	28402	27875

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Exhibit 23
Regional Independent Hydro

Monthly 1-Hour Capacity
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional: Independent Hydro
Operating Year 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14 Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15 Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18 Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
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
20 Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21 Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29 Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
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
31 Henry M Jackson	112	112	112	112	112	112	112	112	15.6	112	112	112	112	112
32 Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39 John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43 Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44 Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45 Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50 Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Regional: Independent Hydro
Operating Year 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Roque	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64 Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68 Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73 Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74 Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75 TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77 Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
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
85 Federal Entities	459	454	528	403	378	254	223	199	349	596	609	753	790	504
86 Investor Owned Utilities	764	761	773	816	795	820	795	815	820	870	874	848	839	771
87 Municipality	131	126	141	159	160	183	186	195	198	180	179	217	216	179
88 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
89 Total Independent Hydro	1509	1508	1582	1514	1467	1394	1338	1246	1507	1792	1808	1993	2039	1627

Regional: Independent Hydro
Operating Year 2019 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14 Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15 Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18 Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
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
20 Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21 Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29 Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
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
31 Henry M Jackson	112	112	112	112	112	112	112	112	15.6	112	112	112	112	112
32 Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39 John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43 Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44 Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45 Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50 Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Regional: Independent Hydro
Operating Year 2019 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Roque	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64 Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68 Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73 Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74 Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75 TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77 Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
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
85 Federal Entities	459	454	528	403	378	254	223	199	349	596	609	753	790	504
86 Investor Owned Utilities	764	761	773	816	795	820	795	815	820	870	874	848	839	771
87 Municipality	131	126	141	159	160	183	186	195	198	180	179	217	216	179
88 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
89 Total Independent Hydro	1509	1508	1582	1514	1467	1394	1338	1246	1507	1792	1808	1993	2039	1627

Regional: Independent Hydro
Operating Year 2020 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14 Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15 Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18 Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
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
20 Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21 Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29 Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
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
31 Henry M Jackson	112	112	112	112	112	112	112	112	15.6	112	112	112	112	112
32 Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39 John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43 Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44 Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45 Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50 Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

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Operating Year 2020 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Roque	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64 Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68 Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73 Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74 Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75 TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77 Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
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
85 Federal Entities	459	454	528	403	378	254	223	199	349	596	609	753	790	504
86 Investor Owned Utilities	764	761	773	816	795	820	795	815	820	870	874	848	839	771
87 Municipality	131	126	141	159	160	183	186	195	198	180	179	217	216	179
88 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
89 Total Independent Hydro	1509	1508	1582	1514	1467	1394	1338	1246	1507	1792	1808	1993	2039	1627

Regional: Independent Hydro
Operating Year 2021 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14 Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15 Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18 Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
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
20 Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21 Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29 Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
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
31 Henry M Jackson	112	112	112	112	112	112	112	112	15.6	112	112	112	112	112
32 Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39 John Boyle	0	0	9.28	80.0	80.0	80.0	0	0	0	0	0	0	0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43 Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44 Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45 Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50 Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Regional: Independent Hydro
Operating Year 2021 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Roque	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64 Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68 Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73 Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74 Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75 TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77 Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
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
85 Federal Entities	459	454	528	403	378	254	223	199	349	596	609	753	790	504
86 Investor Owned Utilities	764	761	773	816	795	820	715	735	740	790	794	768	759	771
87 Municipality	131	126	141	159	160	183	186	195	198	180	179	217	216	179
88 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
89 Total Independent Hydro	1509	1508	1582	1514	1467	1394	1258	1166	1427	1712	1728	1913	1959	1627

Regional: Independent Hydro
Operating Year 2022 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14 Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15 Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18 Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
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
20 Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21 Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29 Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
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
31 Henry M Jackson	112	112	112	112	112	112	112	112	15.6	112	112	112	112	112
32 Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43 Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44 Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45 Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50 Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Regional: Independent Hydro
Operating Year 2022 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Roque	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64 Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68 Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73 Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74 Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75 TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77 Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
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
85 Federal Entities	459	454	528	403	378	254	223	199	349	596	609	753	790	504
86 Investor Owned Utilities	764	761	764	736	715	740	715	735	740	790	794	768	759	771
87 Municipality	131	126	141	159	160	183	186	195	198	180	179	217	216	179
88 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
89 Total Independent Hydro	1509	1508	1572	1434	1387	1314	1258	1166	1427	1712	1728	1913	1959	1627

Regional: Independent Hydro
Operating Year 2023 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14 Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15 Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18 Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
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
20 Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21 Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29 Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
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
31 Henry M Jackson	112	112	112	112	112	112	112	112	15.6	112	112	112	112	112
32 Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43 Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44 Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45 Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50 Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Regional: Independent Hydro
Operating Year 2023 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Roque	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64 Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68 Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73 Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74 Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75 TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77 Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
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
85 Federal Entities	459	454	528	403	378	254	223	199	349	596	609	753	790	504
86 Investor Owned Utilities	764	761	764	736	715	740	715	735	740	790	794	768	759	771
87 Municipality	131	126	141	159	160	183	186	195	198	180	179	217	216	179
88 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
89 Total Independent Hydro	1509	1508	1572	1434	1387	1314	1258	1166	1427	1712	1728	1913	1959	1627

Regional: Independent Hydro
Operating Year 2024 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14 Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15 Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18 Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
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
20 Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21 Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29 Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
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
31 Henry M Jackson	112	112	112	112	112	112	112	112	15.6	112	112	112	112	112
32 Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43 Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44 Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45 Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50 Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Regional: Independent Hydro
Operating Year 2024 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Roque	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64 Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68 Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73 Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74 Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75 TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77 Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
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
85 Federal Entities	459	454	528	403	378	254	223	199	349	596	609	753	790	504
86 Investor Owned Utilities	764	761	764	736	715	740	715	735	740	790	794	768	759	771
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88 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
89 Total Independent Hydro	1509	1508	1572	1434	1387	1314	1258	1166	1427	1712	1728	1913	1959	1627

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S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14 Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15 Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18 Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
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
20 Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21 Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29 Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
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
31 Henry M Jackson	112	112	112	112	112	112	112	112	15.6	112	112	112	112	112
32 Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43 Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44 Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45 Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50 Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Regional: Independent Hydro
Operating Year 2025 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Roque	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64 Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68 Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73 Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74 Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75 TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77 Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
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
85 Federal Entities	459	454	528	403	378	254	223	199	349	596	609	753	790	504
86 Investor Owned Utilities	764	761	764	736	715	740	715	735	740	790	794	768	759	771
87 Municipality	131	126	141	159	160	183	186	195	198	180	179	217	216	179
88 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
89 Total Independent Hydro	1509	1508	1572	1434	1387	1314	1258	1166	1427	1712	1728	1913	1959	1627

Regional: Independent Hydro
Operating Year 2026 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14 Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15 Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18 Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
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
20 Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21 Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29 Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
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
31 Henry M Jackson	112	112	112	112	112	112	112	112	15.6	112	112	112	112	112
32 Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43 Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44 Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45 Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50 Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Regional: Independent Hydro
Operating Year 2026 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Roque	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64 Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68 Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73 Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74 Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75 TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77 Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
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
85 Federal Entities	459	454	528	403	378	254	223	199	349	596	609	753	790	504
86 Investor Owned Utilities	764	761	764	736	715	740	715	735	740	790	794	768	759	771
87 Municipality	131	126	141	159	160	183	186	195	198	180	179	217	216	179
88 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
89 Total Independent Hydro	1509	1508	1572	1434	1387	1314	1258	1166	1427	1712	1728	1913	1959	1627

Regional: Independent Hydro
Operating Year 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
2 Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14 Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15 Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18 Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
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
20 Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21 Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29 Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
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
31 Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
32 Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33 Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34 Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35 Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36 Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37 Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38 Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41 Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43 Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44 Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45 Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46 Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47 McNary Fishway	9.62	9.62	9.42	9.11	8.34	8.34	8.00	6.63	8.41	9.43	9.43	9.27	9.12	9.31
48 Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49 Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50 Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Regional: Independent Hydro
Operating Year 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Roque	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64 Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65 Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66 Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67 South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68 Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69 Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70 Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71 Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72 The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73 Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74 Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75 TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76 Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77 Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78 Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79 Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80 Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82 Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83 Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
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
85 Federal Entities	459	454	528	403	378	254	223	199	349	596	609	753	790	504
86 Investor Owned Utilities	764	761	764	736	715	740	715	735	740	790	794	768	759	771
87 Municipality	131	126	141	159	160	183	186	195	198	180	179	217	216	179
88 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
89 Total Independent Hydro	1509	1508	1572	1434	1387	1314	1258	1166	1427	1712	1728	1913	1959	1627

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Exhibit 24
Federal Report Surplus Deficit By Water Year
80 Water Year Federal Surplus/Deficit

Monthly 1-Hour Capacity
Operating Year 2018 to 2027
Using 1937-Water Conditions

Federal Report Surplus Deficit By Water Year

Operating Year 2018

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	2448	2827	2046	541	1564	1016	865	814	2743	625	2747	4253	4572	1439
2 1930 Federal Report Surplus Deficit	2442	2182	2107	756	1856	1092	-76.5	989	2797	1830	3436	3738	1965	3287
3 1931 Federal Report Surplus Deficit	2843	2132	1660	651	1970	1183	267	-257	2519	1475	124	4763	2141	3327
4 1932 Federal Report Surplus Deficit	2256	1595	1911	413	1191	1097	-489	-463	4031	4325	4208	5137	5706	3883
5 1933 Federal Report Surplus Deficit	2572	3380	2158	561	876	2531	3187	3452	4220	2852	3456	5093	6025	4347
6 1934 Federal Report Surplus Deficit	3474	3729	2080	1646	4146	4094	3648	4141	4525	4327	4207	4988	5175	3437
7 1935 Federal Report Surplus Deficit	2262	1806	1607	517	567	1055	3036	2935	4232	1638	3560	4987	5003	4026
8 1936 Federal Report Surplus Deficit	3452	2537	2095	651	1461	859	-179	422	3083	1937	4130	5155	5623	3334
9 1937 Federal Report Surplus Deficit	2431	2084	1993	641	2017	1078	10.5	-220	2590	1018	1872	4768	3990	1698
10 1938 Federal Report Surplus Deficit	2594	2162	1959	601	1498	1562	2806	3114	4581	4167	4434	5118	5387	3935
11 1939 Federal Report Surplus Deficit	2238	1922	2101	549	1347	947	1902	1365	3507	3065	4023	5111	3699	3331
12 1940 Federal Report Surplus Deficit	2434	1921	1764	646	2192	1510	2168	717	4632	3180	3664	5070	3623	3118
13 1941 Federal Report Surplus Deficit	1860	1519	1732	329	1726	1759	682	770	3003	588	2276	4694	3776	3030
14 1942 Federal Report Surplus Deficit	2191	1953	1934	284	2546	2541	2824	2347	4002	1438	3532	4847	5064	3955
15 1943 Federal Report Surplus Deficit	3117	2919	2341	618	680	1344	3292	3416	4525	4619	4490	5053	6005	4304
16 1944 Federal Report Surplus Deficit	2926	2569	2066	400	1645	981	912	895	2764	708	2202	3377	1817	2229
17 1945 Federal Report Surplus Deficit	2142	1512	1651	528	1691	1078	285	519	2755	923	-754	5162	5435	1992
18 1946 Federal Report Surplus Deficit	2755	1918	2139	453	1913	1871	2338	2403	4461	4318	4417	5125	5405	4119
19 1947 Federal Report Surplus Deficit	3426	3555	2117	405	1728	3932	3663	3997	4575	3778	3869	5128	5400	4036
20 1948 Federal Report Surplus Deficit	3272	3250	2056	3544	3622	3236	3537	3488	4419	3258	4144	5243	5963	4239
21 1949 Federal Report Surplus Deficit	3542	3996	2330	1018	1329	2121	2323	2466	4622	3873	4291	5187	5457	2592
22 1950 Federal Report Surplus Deficit	1314	1342	2022	331	1347	1515	3446	4232	4738	4554	4171	5156	5986	4637
23 1951 Federal Report Surplus Deficit	3417	3603	2142	1911	3974	4000	3702	4473	4697	4603	4198	5084	5427	4180
24 1952 Federal Report Surplus Deficit	3512	3162	2069	2956	2652	3256	3283	3788	4626	4589	4515	5256	5586	4006
25 1953 Federal Report Surplus Deficit	3257	3125	2022	533	1231	935	1717	3491	4097	1991	3358	5152	6036	4355
26 1954 Federal Report Surplus Deficit	3115	3003	2091	931	1714	2733	3404	4099	4626	3497	3861	5139	5820	4512
27 1955 Federal Report Surplus Deficit	3767	4125	3938	1082	2913	2730	1734	1653	2751	1638	3158	5093	6055	4539
28 1956 Federal Report Surplus Deficit	3479	3540	2009	1342	3505	3947	3710	4448	4719	4434	4453	5220	5985	4238
29 1957 Federal Report Surplus Deficit	3448	3802	2107	1234	1361	2847	2538	2131	4432	4360	3774	5288	5942	3855
30 1958 Federal Report Surplus Deficit	3155	2342	2031	440	1684	1214	2857	3132	4276	2959	4024	5171	5823	3726
31 1959 Federal Report Surplus Deficit	3022	2223	1957	734	2675	3743	3684	4182	4602	4052	3792	4934	5793	4307
32 1960 Federal Report Surplus Deficit	3619	3682	3965	4202	4156	3553	2915	2981	4516	4583	4161	5066	5635	3941
33 1961 Federal Report Surplus Deficit	3196	2456	1988	877	1531	2334	2838	3930	4688	3664	3553	5078	5857	3777
34 1962 Federal Report Surplus Deficit	3152	2740	1852	169	1593	1945	2763	2858	3429	4460	4393	5132	5292	3835
35 1963 Federal Report Surplus Deficit	2956	2989	2067	1651	2888	3553	3065	3250	4049	1922	3331	5143	5295	3901
36 1964 Federal Report Surplus Deficit	3034	2441	2179	402	1203	2298	1818	1839	3538	3874	3240	5126	5971	4404
37 1965 Federal Report Surplus Deficit	3487	3787	2585	1905	2415	3990	3730	4488	4603	3240	4281	5088	5379	3999
38 1966 Federal Report Surplus Deficit	3418	3725	1801	1250	1537	2511	2396	2472	3691	4464	3649	4804	5145	3990
39 1967 Federal Report Surplus Deficit	3166	2581	1964	388	1268	2676	3576	4078	4534	2889	1505	5000	5835	4243
40 1968 Federal Report Surplus Deficit	3412	3505	2080	987	2037	2515	3262	3636	4415	1584	2817	4691	5457	4047
41 1969 Federal Report Surplus Deficit	3435	3734	2952	1988	3632	3264	3687	4155	4524	4456	4290	5218	5697	4031
42 1970 Federal Report Surplus Deficit	3284	3023	2106	1007	1878	1590	2937	2959	3886	2246	3191	5068	5854	3320
43 1971 Federal Report Surplus Deficit	2798	2276	1909	381	1409	2016	3732	4297	4793	4469	4177	5209	6007	4419
44 1972 Federal Report Surplus Deficit	3612	4131	2240	1343	1517	2808	3736	4485	4736	4603	4006	5185	5913	4374
45 1973 Federal Report Surplus Deficit	3568	4035	2386	1237	1663	2449	2656	1610	3282	385	2401	4790	3077	3108
46 1974 Federal Report Surplus Deficit	2400	1703	1646	516	1151	3075	3709	4267	4600	4512	4379	5141	5965	4688
47 1975 Federal Report Surplus Deficit	3513	4052	2380	294	1622	1469	2929	3230	4537	2025	3146	5119	5932	4579
48 1976 Federal Report Surplus Deficit	3440	3786	2376	2212	3951	4133	3702	4231	4620	4466	4193	5244	5654	4265
49 1977 Federal Report Surplus Deficit	3880	4112	4131	1333	1726	931	1121	1083	2800	367	1796	3202	1524	2423
50 1978 Federal Report Surplus Deficit	2122	1633	1732	-20.4	1587	2049	2614	2815	4194	4448	3753	4920	4903	4042
51 1979 Federal Report Surplus Deficit	2670	2292	2877	1462	1790	1305	2140	1052	4344	1788	3488	5144	4813	1755
52 1980 Federal Report Surplus Deficit	1777	1947	2030	569	1658	782	1793	1209	3150	3029	3834	5166	5511	3753
53 1981 Federal Report Surplus Deficit	2076	1504	1921	543	1563	3477	3461	3959	4094	657	3251	5115	5849	4085
54 1982 Federal Report Surplus Deficit	3622	3813	2148	847	2083	2443	3312	4479	4722	4463	4077	5075	5922	4645

Federal Report Surplus Deficit By Water Year

Operating Year 2018

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Federal Report Surplus Deficit	3583	4095	2979	2075	2129	2934	3545	4315	4806	4012	3818	5068	5659	4310
56 1984 Federal Report Surplus Deficit	3477	3880	2306	1045	4182	3202	3303	3989	4679	4590	4270	5136	5936	4174
57 1985 Federal Report Surplus Deficit	3508	2948	2310	1114	1958	2494	2301	2103	3583	3712	4020	5146	4758	3073
58 1986 Federal Report Surplus Deficit	1052	1323	2006	255	3665	2683	3175	4133	4763	4465	4251	5025	5413	3757
59 1987 Federal Report Surplus Deficit	2670	2199	1813	146	1800	2605	1962	1615	3618	1318	3041	5066	4684	2753
60 1988 Federal Report Surplus Deficit	1992	1355	1913	467	1598	769	588	-73.4	3050	1136	2937	4701	3182	3542
61 1989 Federal Report Surplus Deficit	2767	2203	1998	397	1947	1728	792	646	4050	3150	4285	5072	4870	2921
62 1990 Federal Report Surplus Deficit	2062	1717	2011	677	1933	2691	3110	3577	4440	2949	4228	5034	5698	3962
63 1991 Federal Report Surplus Deficit	3508	3390	2007	279	3953	3399	3515	3863	4480	3405	3574	5125	5499	4158
64 1992 Federal Report Surplus Deficit	3570	3680	2000	739	1613	772	1517	1296	4053	570	2015	4682	2952	2523
65 1993 Federal Report Surplus Deficit	2197	1673	1630	568	1939	1321	215	-172	3619	2121	3392	5127	5275	3335
66 1994 Federal Report Surplus Deficit	2917	2513	2244	640	2207	1482	12.9	264	2777	1088	2950	4964	4484	3300
67 1995 Federal Report Surplus Deficit	2636	1775	1733	564	1142	1332	1924	2934	4526	2382	3210	5063	5622	3893
68 1996 Federal Report Surplus Deficit	2562	2359	2272	1772	4177	4091	3718	4480	4719	4520	4432	5147	5620	4202
69 1997 Federal Report Surplus Deficit	3546	3758	2123	816	1785	3276	3764	4300	4813	4403	4439	5110	5925	4283
70 1998 Federal Report Surplus Deficit	3579	4120	2973	3748	3520	2501	2534	2803	4016	2733	3807	5132	5849	4012
71 1999 Federal Report Surplus Deficit	3583	3247	2051	513	932	3006	3691	4347	4814	3791	4190	5157	5892	4421
72 2000 Federal Report Surplus Deficit	3805	4200	2351	839	4188	3590	2945	3241	4503	4409	4278	5146	4646	3916
73 2001 Federal Report Surplus Deficit	3261	1885	1969	575	1503	1046	857	877	3003	647	1937	4156	1441	2629
74 2002 Federal Report Surplus Deficit	2194	1525	1799	-108	1658	1417	844	900	3528	2829	4082	5073	5810	4202
75 2003 Federal Report Surplus Deficit	2097	2326	2062	717	2034	1316	574	519	4353	2835	3609	4990	5611	3161
76 2004 Federal Report Surplus Deficit	2072	1737	1880	455	2423	1922	1616	949	3595	2272	3305	5012	4591	3435
77 2005 Federal Report Surplus Deficit	1478	1785	2336	1329	1610	2709	2887	1385	3252	712	2910	4905	4957	3736
78 2006 Federal Report Surplus Deficit	2693	2083	2080	-31.7	1709	2425	3241	3790	4361	4504	4376	5091	5795	3952
79 2007 Federal Report Surplus Deficit	3146	1638	2036	562	2186	1788	2897	3133	4559	4104	3576	5115	5225	4005
80 2008 Federal Report Surplus Deficit	2488	1708	1917	699	2265	997	1403	1636	3619	2414	1575	5075	6080	4121
Ranked Averages														
81 Bottom 10 pct	1701	1591	1991	552	1995	1854	2162	2023	3749	2463	3489	4962	4889	3732
82 Middle 80 pct	2956	2698	2072	891	2046	2213	2369	2569	4060	2980	3495	4998	5145	3672
83 Top 10 pct	3684	3926	2976	1529	2455	2749	2875	3323	4206	3483	3686	4874	5156	4071

Federal Report Surplus Deficit By Water Year

Operating Year 2019

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	3484	3645	2327	477	1184	1049	958	916	2367	566	2305	3773	3835	1778
2 1930 Federal Report Surplus Deficit	2740	2615	2397	702	1398	1126	35.9	1093	2421	1776	2869	3328	849	4171
3 1931 Federal Report Surplus Deficit	3120	2628	1967	598	1483	1205	373	-213	2127	1430	-143	4226	1051	4224
4 1932 Federal Report Surplus Deficit	3081	2874	2200	354	846	1126	-371	-462	3678	3970	3497	4940	5096	4807
5 1933 Federal Report Surplus Deficit	3423	3437	2564	499	692	2452	3128	3145	3759	2764	2904	4610	5425	4895
6 1934 Federal Report Surplus Deficit	3822	3993	2383	1581	3401	3654	3638	3781	3962	3909	3516	4563	4529	4363
7 1935 Federal Report Surplus Deficit	2305	2292	1920	460	511	1091	2985	2748	3791	1535	2960	4474	4301	4849
8 1936 Federal Report Surplus Deficit	3873	2934	2387	594	1082	896	-62.9	531	2715	1874	3466	4925	5003	4238
9 1937 Federal Report Surplus Deficit	3001	2622	2294	583	1526	1106	121	-161	2198	971	1536	4235	3121	2131
10 1938 Federal Report Surplus Deficit	2787	2442	2260	542	1134	1576	2797	2881	4104	3901	3798	4793	4747	4838
11 1939 Federal Report Surplus Deficit	2212	2436	2417	487	1006	985	1955	1427	3140	2924	3356	4600	2868	4223
12 1940 Federal Report Surplus Deficit	2527	2348	2104	592	1673	1520	2194	825	4123	3014	3029	4548	2730	4001
13 1941 Federal Report Surplus Deficit	2221	2174	2036	264	1291	1757	783	873	2635	531	1886	4154	2920	3877
14 1942 Federal Report Surplus Deficit	2946	2647	2141	219	1974	2462	2815	2267	3587	1395	2937	4321	4417	4764
15 1943 Federal Report Surplus Deficit	3482	3340	2612	560	576	1370	3246	3165	4042	4201	4035	4639	5399	4755
16 1944 Federal Report Surplus Deficit	3763	3242	2351	324	1249	1016	1002	993	2388	656	1824	3012	681	2845
17 1945 Federal Report Surplus Deficit	2740	2555	1948	466	1267	1102	394	622	2373	874	-829	4680	4805	2512
18 1946 Federal Report Surplus Deficit	2656	2628	2396	384	1465	1862	2367	2317	4024	3945	3824	4813	4770	4811
19 1947 Federal Report Surplus Deficit	3668	3569	2411	331	1318	3641	3578	3579	4062	3573	3215	4831	4766	4838
20 1948 Federal Report Surplus Deficit	3408	3155	2360	3326	2930	3061	3465	3158	3937	3064	3456	5055	5371	4739
21 1949 Federal Report Surplus Deficit	3830	4094	2627	967	1007	2087	2340	2377	4117	3631	3642	4979	4833	3312
22 1950 Federal Report Surplus Deficit	2188	2142	2265	256	1024	1525	3365	3823	4223	4174	3494	4732	5403	5290
23 1951 Federal Report Surplus Deficit	3832	4084	2519	1834	3249	3699	3692	4113	4169	4184	3483	4778	4802	4735
24 1952 Federal Report Surplus Deficit	3877	3235	2363	2788	2081	3079	3236	3454	4116	4165	3968	5065	4955	4859
25 1953 Federal Report Surplus Deficit	3387	2815	2279	468	915	970	1758	3241	3692	1923	2828	4694	5457	4758
26 1954 Federal Report Surplus Deficit	3785	3548	2393	880	1303	2631	3333	3694	4095	3344	3211	4798	5208	5182
27 1955 Federal Report Surplus Deficit	3920	4258	4193	1030	2302	2611	1795	1678	2374	1641	2628	4597	5450	5074
28 1956 Federal Report Surplus Deficit	3791	3692	2303	1288	2826	3668	3697	4088	4229	4099	3841	5007	5396	4753
29 1957 Federal Report Surplus Deficit	3808	3927	2402	1181	1033	2730	2544	2098	4025	4015	3131	5152	5343	4783
30 1958 Federal Report Surplus Deficit	3110	2983	2379	370	1266	1246	2848	2944	3815	2820	3350	4985	5200	4664
31 1959 Federal Report Surplus Deficit	3365	2821	2246	678	2100	3494	3615	3741	4038	3782	3139	4504	5172	4842
32 1960 Federal Report Surplus Deficit	3938	4127	4389	3984	3411	3315	2883	2771	4036	4165	3436	4541	5013	4759
33 1961 Federal Report Surplus Deficit	3617	2847	2276	825	1158	2277	2821	3563	4139	3447	2984	4714	5245	4702
34 1962 Federal Report Surplus Deficit	3495	3111	2141	81.1	1202	1930	2760	2680	3083	4057	3761	4725	4632	4767
35 1963 Federal Report Surplus Deficit	3298	3315	2343	1586	2281	3333	3020	3021	3630	1866	2777	4661	4648	4762
36 1964 Federal Report Surplus Deficit	3240	2970	2491	331	912	2246	1876	1843	3187	3608	2734	4691	5438	4925
37 1965 Federal Report Surplus Deficit	3835	3906	2866	1823	1876	3662	3720	4128	4047	3155	3678	4829	4769	4835
38 1966 Federal Report Surplus Deficit	3782	3854	2094	1196	1147	2422	2420	2363	3332	4042	3028	4284	4487	4833
39 1967 Federal Report Surplus Deficit	3761	2954	2222	324	962	2581	3514	3630	3991	2758	1145	4526	5225	4739
40 1968 Federal Report Surplus Deficit	3771	3693	2374	935	1562	2427	3220	3313	3913	1566	2335	4189	4858	4797
41 1969 Federal Report Surplus Deficit	3792	3481	3246	1893	2939	3086	3677	3787	3969	4035	3663	4969	5090	4836
42 1970 Federal Report Surplus Deficit	3167	2968	2383	955	1431	1601	2918	2765	3449	2250	2671	4626	5185	4204
43 1971 Federal Report Surplus Deficit	2883	2934	2210	313	1070	1994	3721	3937	4225	4126	3467	4940	5399	4797
44 1972 Federal Report Surplus Deficit	3958	4227	2525	1289	1156	2700	3684	4126	4326	4185	3355	4917	5282	4960
45 1973 Federal Report Surplus Deficit	3826	4134	2626	1184	1256	2386	2662	1643	2916	313	2000	4251	2180	3949
46 1974 Federal Report Surplus Deficit	2661	2399	1948	457	889	2927	3699	3907	4285	4193	3750	4872	5369	5367
47 1975 Federal Report Surplus Deficit	3832	4156	2634	214	1230	1490	2917	2985	4059	1983	2658	4748	5339	4917
48 1976 Federal Report Surplus Deficit	3689	3773	2684	2114	3227	3693	3627	3839	4051	4048	3487	4996	5049	4773
49 1977 Federal Report Surplus Deficit	3979	4326	4722	1279	1298	961	1201	1163	2427	298	1463	2871	347	3139
50 1978 Federal Report Surplus Deficit	2833	2439	1984	-132	1201	2025	2611	2647	3781	4061	3090	4547	4223	4838
51 1979 Federal Report Surplus Deficit	3036	2775	3340	1402	1358	1332	2176	1154	3908	1730	2922	4743	4083	2203
52 1980 Federal Report Surplus Deficit	2708	2573	2384	509	1240	828	1853	1290	2783	2875	3163	4976	4896	4691
53 1981 Federal Report Surplus Deficit	2385	2430	2246	482	1168	3270	3390	3562	3668	563	2744	4643	5229	4643
54 1982 Federal Report Surplus Deficit	3955	4092	2442	793	1596	2376	3272	4119	4227	4101	3413	4821	5283	5188

Federal Report Surplus Deficit By Water Year

Operating Year 2019

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Federal Report Surplus Deficit	3950	4198	3280	1988	1641	2809	3488	3933	4237	3762	3180	4712	5044	4754
56 1984 Federal Report Surplus Deficit	3823	3735	2608	994	3445	3039	3240	3636	4183	4172	3734	4788	5328	4762
57 1985 Federal Report Surplus Deficit	3940	3458	2609	1062	1505	2421	2326	2069	3210	3512	3350	4704	4014	3905
58 1986 Federal Report Surplus Deficit	2128	2123	2326	163	2970	2582	3145	3797	4217	4047	3700	4543	4803	4696
59 1987 Federal Report Surplus Deficit	2983	2702	2099	54.6	1376	2518	2011	1656	3241	1149	2612	4554	3958	3514
60 1988 Federal Report Surplus Deficit	2153	2155	2199	407	1169	815	692	-2.62	2682	1092	2465	4170	2204	4468
61 1989 Federal Report Surplus Deficit	2934	2657	2289	328	1487	1729	890	753	3681	3035	3668	4598	4146	3709
62 1990 Federal Report Surplus Deficit	2292	2454	2316	621	1463	2577	3037	3158	3967	2810	3553	4530	5091	4848
63 1991 Federal Report Surplus Deficit	3888	3870	2287	201	3228	3199	3467	3458	3953	3204	2978	4668	4868	4696
64 1992 Federal Report Surplus Deficit	3926	3847	2280	684	1217	815	1583	1365	3628	512	1657	4155	1980	3220
65 1993 Federal Report Surplus Deficit	2704	2386	1924	513	1466	1346	325	-111	3255	2056	2849	4698	4618	4217
66 1994 Federal Report Surplus Deficit	3051	2955	2487	582	1686	1493	127	519	3297	936	2472	4171	3311	4185
67 1995 Federal Report Surplus Deficit	2834	2374	2003	508	856	1357	1977	2597	3756	3554	2841	4626	5033	4814
68 1996 Federal Report Surplus Deficit	2979	2910	2635	1702	3432	3652	3707	4121	4223	4107	3844	4883	4997	4714
69 1997 Federal Report Surplus Deficit	3916	3845	2422	763	1364	3102	3754	3940	4318	3984	3845	4876	5307	4811
70 1998 Federal Report Surplus Deficit	3930	4219	3241	3518	2840	2431	2550	2648	3608	2609	3188	4984	5240	4854
71 1999 Federal Report Surplus Deficit	3773	3035	2325	446	738	2868	3647	3977	4250	3540	3539	4730	5297	4964
72 2000 Federal Report Surplus Deficit	4015	4297	2649	786	3443	3370	2928	3060	4014	4036	3618	4766	3879	4817
73 2001 Federal Report Surplus Deficit	3607	2522	2261	513	1120	1078	946	975	2634	593	1594	3687	228	3332
74 2002 Federal Report Surplus Deficit	2805	2581	2051	-220	1252	1439	947	997	3173	2643	3418	4571	5183	4842
75 2003 Federal Report Surplus Deficit	3436	3053	2412	664	1541	1341	678	626	3916	2654	3000	4485	4993	3998
76 2004 Federal Report Surplus Deficit	2341	2313	2170	395	1866	1907	1683	1050	3217	2188	2764	4497	3846	4334
77 2005 Federal Report Surplus Deficit	2790	2849	2667	1273	1214	2607	2666	1926	2880	675	2445	4429	4261	4673
78 2006 Federal Report Surplus Deficit	3303	2677	2384	-131	1292	2358	3187	3445	3881	4085	3794	4894	5180	4876
79 2007 Federal Report Surplus Deficit	2630	2723	2287	501	1682	1785	2881	2893	4069	3857	2964	4637	4561	4895
80 2008 Federal Report Surplus Deficit	2871	2448	2169	647	1736	1034	1480	1676	3258	2278	1266	4728	5479	4931
Ranked Averages														
81 Bottom 10 pct	2230	2261	2206	382	1412	1655	2206	2109	3484	2413	3022	4463	3929	4573
82 Middle 80 pct	3330	3125	2389	783	1586	2167	2385	2412	3602	2769	2922	4609	4508	4413
83 Top 10 pct	3958	4118	3232	1837	2111	2548	2792	2986	3761	3334	3125	4540	4263	4547

Federal Report Surplus Deficit By Water Year

Operating Year 2020

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	3846	3924	2422	436	1460	1209	1215	1210	2627	826	2733	3825	4188	1178
2 1930 Federal Report Surplus Deficit	2909	2772	3533	715	1688	1260	447	1358	2655	1643	3016	3418	2706	3139
3 1931 Federal Report Surplus Deficit	3399	2782	3123	605	1906	1374	-58.8	331	3192	1530	-362	4200	2236	3434
4 1932 Federal Report Surplus Deficit	3344	3031	3423	126	1017	1312	363	-366	3858	4259	4054	4919	5006	4032
5 1933 Federal Report Surplus Deficit	3751	3637	3527	561	1214	2717	3376	3766	4183	2529	3500	4795	5324	4535
6 1934 Federal Report Surplus Deficit	4317	4406	3506	1508	3494	3745	4041	4686	4556	4211	4066	4737	4404	3455
7 1935 Federal Report Surplus Deficit	2371	2460	3120	530	610	1653	3301	3462	4171	1312	3593	4657	4411	4163
8 1936 Federal Report Surplus Deficit	4350	3091	2481	459	1426	1247	120	1161	2930	1755	3969	4936	4898	3442
9 1937 Federal Report Surplus Deficit	3232	2779	3507	617	1848	1295	215	524	2601	1143	347	4386	3707	2401
10 1938 Federal Report Surplus Deficit	2986	2604	3462	521	1428	1821	3056	3344	4542	4047	4289	4895	4789	4088
11 1939 Federal Report Surplus Deficit	2244	2610	3522	590	1155	1120	2521	1840	3312	2875	3942	4785	3500	3365
12 1940 Federal Report Surplus Deficit	2688	2510	3244	695	2174	2373	1653	2010	4573	2997	3641	4740	3906	2992
13 1941 Federal Report Surplus Deficit	2263	2367	3222	327	1849	1869	1001	1150	2820	691	2307	4294	3638	3159
14 1942 Federal Report Surplus Deficit	3194	2801	3227	118	2391	2972	2795	2562	3247	1697	3540	4493	4381	4200
15 1943 Federal Report Surplus Deficit	3804	3571	3370	706	627	2014	3435	3782	4532	4503	4338	4797	5285	4411
16 1944 Federal Report Surplus Deficit	4216	3413	3579	438	1491	1153	1500	1302	2474	723	2441	3053	1912	2210
17 1945 Federal Report Surplus Deficit	2983	2710	3158	396	1656	1275	332	838	2755	952	-22.5	4864	4773	1987
18 1946 Federal Report Surplus Deficit	2786	2787	3610	391	1546	2252	2760	3076	4332	4190	4297	4902	4767	4238
19 1947 Federal Report Surplus Deficit	4083	3832	3492	305	2318	3469	3839	4348	4602	3650	3816	4904	4729	4204
20 1948 Federal Report Surplus Deficit	3773	3322	3512	3406	3387	2998	3725	3774	4381	3203	3992	4998	5236	4314
21 1949 Federal Report Surplus Deficit	4323	4575	3516	893	1979	2106	2595	2297	4750	3668	4122	4968	4815	2350
22 1950 Federal Report Surplus Deficit	2219	2347	3493	312	1136	2337	3651	4709	4681	4430	4033	4898	5244	4825
23 1951 Federal Report Surplus Deficit	4326	4542	3526	1768	3509	3528	4052	5019	4713	4486	4041	4864	4771	4357
24 1952 Federal Report Surplus Deficit	4223	3417	3516	2849	2949	3017	3519	4143	4596	4432	4442	5003	4874	4148
25 1953 Federal Report Surplus Deficit	3749	2944	2373	466	1518	1290	1346	4571	3926	1832	3446	4873	5350	4406
26 1954 Federal Report Surplus Deficit	4187	3786	3533	808	2315	2638	3323	4680	4637	3323	3811	4916	5018	4730
27 1955 Federal Report Surplus Deficit	4409	4741	3497	956	3070	2606	1856	2364	2414	1531	3188	4779	5341	4694
28 1956 Federal Report Surplus Deficit	4287	3946	3508	1212	3346	3484	3985	4980	4573	4332	4285	4977	5246	4389
29 1957 Federal Report Surplus Deficit	4293	4314	3532	1105	1912	2770	2832	1893	4592	4239	3755	5007	5228	3917
30 1958 Federal Report Surplus Deficit	3364	3130	3499	550	1736	1965	3079	3597	4226	2802	3923	4958	5059	3731
31 1959 Federal Report Surplus Deficit	3700	2976	3461	798	2957	3354	3889	4540	4619	3970	3776	4682	5068	4466
32 1960 Federal Report Surplus Deficit	4420	4609	3375	4011	3503	3183	3111	3312	4407	4467	4014	4721	4942	4108
33 1961 Federal Report Surplus Deficit	4008	2972	3497	774	2156	2300	3024	3911	4749	3422	3606	4857	5069	3695
34 1962 Federal Report Surplus Deficit	3855	3284	3351	290	1757	2243	2940	3256	3095	4338	4296	4879	4738	3896
35 1963 Federal Report Surplus Deficit	3634	3500	3567	1498	3063	3228	3354	3581	3744	1774	3372	4846	4652	4056
36 1964 Federal Report Surplus Deficit	3556	3142	3520	417	1715	2269	2151	2002	3311	3706	3308	4859	5269	4562
37 1965 Federal Report Surplus Deficit	4301	4328	3501	1773	2798	3519	4163	5033	4474	3143	4163	4869	4698	4156
38 1966 Federal Report Surplus Deficit	4261	4266	3313	1119	2156	2435	2700	2854	3471	4337	3643	4431	4551	4155
39 1967 Federal Report Surplus Deficit	4212	3113	3432	368	1387	2781	3773	4329	4533	2695	1394	4722	5050	4408
40 1968 Federal Report Surplus Deficit	4215	3986	3448	860	2555	2441	3191	4197	4445	1516	2863	4323	4767	4219
41 1969 Federal Report Surplus Deficit	4254	3755	3328	1866	3390	3021	3977	4650	4453	4313	4162	4997	5003	4184
42 1970 Federal Report Surplus Deficit	3441	3128	3572	1028	2104	1833	3085	3386	3762	2136	3251	4798	5184	3167
43 1971 Federal Report Surplus Deficit	3075	3066	3417	477	1353	2526	4035	4842	4818	4353	4014	4944	5233	4477
44 1972 Federal Report Surplus Deficit	4450	4753	3561	1226	2147	2700	3953	4924	4598	4486	4004	4945	5116	4547
45 1973 Federal Report Surplus Deficit	4318	4658	3531	1121	2243	2420	2942	2374	2979	610	2403	4358	3018	2948
46 1974 Federal Report Surplus Deficit	2812	2561	3153	437	1525	3016	4170	4812	4466	4422	4232	4927	5186	4872
47 1975 Federal Report Surplus Deficit	4328	4682	3606	258	1469	1965	3201	3660	4492	1869	3230	4884	5279	4603
48 1976 Federal Report Surplus Deficit	4126	4116	3517	2100	3499	3706	3900	4696	4660	4350	4023	4990	4965	4441
49 1977 Federal Report Surplus Deficit	4460	4792	3522	1201	1604	1239	1702	1476	2370	569	1760	2825	1689	2628
50 1978 Federal Report Surplus Deficit	3098	2598	2078	-74.4	1492	2300	2917	3194	4117	4328	3692	4688	4373	4210
51 1979 Federal Report Surplus Deficit	3283	2896	3316	1327	2183	1546	1661	2829	4073	1823	3519	4891	4324	1887
52 1980 Federal Report Surplus Deficit	2867	2732	3527	646	1630	1104	2397	1241	2922	2656	3785	4964	4877	3580
53 1981 Federal Report Surplus Deficit	2489	2582	3346	590	2128	3208	3647	4289	3873	804	3301	4832	5096	4258
54 1982 Federal Report Surplus Deficit	4447	4551	3516	741	2570	2396	3546	5025	4719	4367	3965	4852	5264	4851

Federal Report Surplus Deficit By Water Year

Operating Year 2020

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Federal Report Surplus Deficit	4427	4713	3547	1946	2625	2799	3751	4690	4844	3863	3790	4826	4944	4416
56 1984 Federal Report Surplus Deficit	4317	4074	3531	944	3575	2993	3553	4386	4691	4473	4093	4901	5286	4309
57 1985 Federal Report Surplus Deficit	4425	3657	3530	1007	2508	2440	2601	2624	3553	3492	3902	4880	4243	3028
58 1986 Federal Report Surplus Deficit	2160	2328	3499	1488	2941	2589	3242	4479	4772	4349	4067	4724	4807	3790
59 1987 Federal Report Surplus Deficit	3201	2857	3327	357	2293	2532	1988	1931	3749	1113	3179	4739	4220	2834
60 1988 Federal Report Surplus Deficit	2197	2351	3427	350	1431	1091	664	160	3020	1072	3017	4298	3353	3634
61 1989 Federal Report Surplus Deficit	3157	2812	3507	356	1831	2126	1116	256	3930	3009	4205	4777	4356	3258
62 1990 Federal Report Surplus Deficit	2401	2609	3524	616	2179	2701	2936	4162	4495	2755	4101	4695	4953	4119
63 1991 Federal Report Surplus Deficit	4356	4225	3511	316	3483	3125	3694	4085	4466	3633	3584	4846	4798	4340
64 1992 Federal Report Surplus Deficit	4411	4193	3506	355	1463	1112	1684	2391	3708	616	2394	4287	2960	2771
65 1993 Federal Report Surplus Deficit	2875	2547	2019	346	1818	1506	297	47.3	3464	1954	3461	4863	4785	3304
66 1994 Federal Report Surplus Deficit	3279	3081	3643	562	2001	1692	859	940	3192	944	3017	4302	4049	3240
67 1995 Federal Report Surplus Deficit	3022	2540	3186	440	1120	1758	2264	2871	3984	3618	3438	4816	4975	4035
68 1996 Federal Report Surplus Deficit	3194	3063	3594	1891	3524	3894	4137	5026	4735	4396	4326	4934	4922	4387
69 1997 Federal Report Surplus Deficit	4382	4207	3553	710	2366	3043	4198	4845	4682	4286	4284	4874	5141	4472
70 1998 Federal Report Surplus Deficit	4381	4747	3525	3599	3352	2452	2493	3583	3752	2492	3801	4889	5190	4099
71 1999 Federal Report Surplus Deficit	4184	3193	3550	466	1189	2942	3907	4856	4688	3606	4041	4894	5198	4622
72 2000 Federal Report Surplus Deficit	4506	4828	3514	733	3536	3270	3206	3560	4428	4287	4156	4901	4155	4033
73 2001 Federal Report Surplus Deficit	3993	2688	3482	616	1442	1402	1416	1267	2666	657	1949	3786	1848	2598
74 2002 Federal Report Surplus Deficit	2999	2738	2145	-162	1495	1839	1148	1265	3352	2562	3943	4750	5056	4372
75 2003 Federal Report Surplus Deficit	3746	3185	3565	671	1852	1516	940	1025	4216	2575	3613	4670	5030	3096
76 2004 Federal Report Surplus Deficit	2395	2506	2265	466	2549	2475	1719	754	3399	2075	3354	4681	4316	3594
77 2005 Federal Report Surplus Deficit	2979	3001	3332	1197	2197	2628	2435	3225	3135	1088	3004	4607	4474	3462
78 2006 Federal Report Surplus Deficit	3578	2838	3587	307	2392	2379	3511	3983	4306	4377	4239	4877	5018	4035
79 2007 Federal Report Surplus Deficit	2751	2880	3512	125	2408	2427	3189	2941	4677	4001	3536	4855	4485	4159
80 2008 Federal Report Surplus Deficit	3060	2621	2264	520	2366	1712	1877	1729	3558	2215	1575	4839	5336	4276
Ranked Averages														
81 Bottom 10 pct	2281	2447	3259	585	1731	1980	2379	2590	3834	2445	3552	4629	4278	3831
82 Middle 80 pct	3658	3359	3328	837	2151	2360	2618	3019	3949	2907	3437	4721	4664	3814
83 Top 10 pct	4443	4512	3509	1403	2495	2392	2944	3500	4079	3268	3498	4530	4164	3798

Federal Report Surplus Deficit By Water Year

Operating Year 2021

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	3327	3600	2014	162	1305	1063	1092	1134	1465	758	2730	3897	3319	1136
2 1930 Federal Report Surplus Deficit	2879	2800	1988	381	1521	1120	368	1285	1490	1538	3014	3536	1614	3138
3 1931 Federal Report Surplus Deficit	3087	2776	1581	268	1730	1212	-95.8	294	2407	1426	-289	4218	1068	3439
4 1932 Federal Report Surplus Deficit	3258	2880	1870	-126	870	1159	301	-359	3369	4134	4116	4865	4257	4042
5 1933 Federal Report Surplus Deficit	3445	3520	2183	254	1068	2510	3206	3765	4018	2541	3517	4707	4599	4530
6 1934 Federal Report Surplus Deficit	3699	4088	2177	1134	3308	3561	4002	4629	4618	3977	4124	4641	3648	3461
7 1935 Federal Report Surplus Deficit	2203	2548	1495	203	486	1488	3165	3285	4107	1215	3609	4592	3610	4170
8 1936 Federal Report Surplus Deficit	3780	3015	2003	169	1269	1099	82.7	1087	1953	1645	4028	4858	4135	3448
9 1937 Federal Report Surplus Deficit	2692	2723	1887	300	1675	1139	149	476	1384	1064	404	4382	2739	2383
10 1938 Federal Report Surplus Deficit	2817	2601	1911	220	1274	1646	2928	3245	4415	3945	4353	4813	4036	4096
11 1939 Federal Report Surplus Deficit	2173	2609	2063	279	1010	991	2182	1770	2794	2750	3984	4709	2549	3369
12 1940 Federal Report Surplus Deficit	2546	2487	1662	352	1988	2169	1511	1914	4513	2871	3666	4673	3016	2988
13 1941 Federal Report Surplus Deficit	2471	2401	1660	35.3	1676	1690	894	1075	1791	628	2306	4270	2716	3161
14 1942 Federal Report Surplus Deficit	3026	2786	1821	-137	2198	2766	2660	2454	2476	1591	3557	4431	3646	4204
15 1943 Federal Report Surplus Deficit	3477	3434	2160	371	502	1828	3343	3674	4459	4269	4384	4700	4543	4403
16 1944 Federal Report Surplus Deficit	3521	3266	2025	177	1335	1014	1363	1223	1200	659	2440	3205	691	2186
17 1945 Federal Report Surplus Deficit	2726	2646	1590	118	1491	1114	279	787	1599	882	46.8	4775	4021	1957
18 1946 Federal Report Surplus Deficit	2487	2796	2021	130	1390	2056	2622	2966	4117	4070	4346	4821	4017	4241
19 1947 Federal Report Surplus Deficit	3744	3933	2172	71.7	2131	3288	3797	4204	4638	3525	3851	4820	3982	4208
20 1948 Federal Report Surplus Deficit	3357	3091	2137	3282	3175	2793	3669	3669	4265	3076	4054	4974	4456	4313
21 1949 Federal Report Surplus Deficit	3696	4160	2431	540	1805	1916	2459	2194	4799	3541	4184	4902	4063	2332
22 1950 Federal Report Surplus Deficit	2095	2413	1825	62.4	994	2135	3562	4656	4690	4261	4088	4801	4511	4813
23 1951 Federal Report Surplus Deficit	3699	4173	2328	1403	3306	3348	4017	4962	4770	4252	4105	4788	4021	4354
24 1952 Federal Report Surplus Deficit	3814	3279	2145	2638	2740	2812	3443	4040	4549	4259	4472	4958	4120	4155
25 1953 Federal Report Surplus Deficit	3477	2916	1849	186	1359	1140	1181	4501	3499	1719	3452	4781	4626	4425
26 1954 Federal Report Surplus Deficit	3273	3588	2182	464	2128	2432	3185	4622	4640	3235	3846	4832	4293	4709
27 1955 Federal Report Surplus Deficit	3800	4208	3576	599	2857	2399	1713	2258	1106	1427	3188	4703	4556	4727
28 1956 Federal Report Surplus Deficit	3662	3901	2053	842	3133	3303	3950	4920	4580	4207	4340	4947	4460	4383
29 1957 Federal Report Surplus Deficit	3694	4052	2194	737	1741	2562	2707	1799	4507	4115	3783	5021	4439	3927
30 1958 Federal Report Surplus Deficit	3321	3075	1970	252	1569	1782	2958	3488	4063	2675	3973	4902	4308	3740
31 1959 Federal Report Surplus Deficit	3383	2955	1931	457	2748	3164	3849	4460	4666	3846	3806	4587	4318	4479
32 1960 Federal Report Surplus Deficit	3807	4157	3697	3858	3318	2992	3010	3202	4250	4233	4074	4661	4191	4112
33 1961 Federal Report Surplus Deficit	3719	2900	1995	432	1975	2101	2908	3805	4803	3296	3622	4772	4319	3704
34 1962 Federal Report Surplus Deficit	3254	3129	1814	41.0	1591	2047	2811	3146	2203	4134	4344	4783	3977	3906
35 1963 Federal Report Surplus Deficit	3494	3344	2000	1124	2850	3031	3247	3566	3282	1666	3378	4758	3886	4063
36 1964 Federal Report Surplus Deficit	3451	3048	2286	144	1551	2071	2005	1903	2550	3580	3310	4763	4553	4567
37 1965 Federal Report Surplus Deficit	3707	4002	2634	1415	2593	3340	4115	4976	4477	2984	4208	4809	3958	4162
38 1966 Federal Report Surplus Deficit	3697	3915	1821	748	1972	2231	2561	2744	2782	4113	3664	4418	3782	4160
39 1967 Federal Report Surplus Deficit	3701	3034	1954	75.7	1236	2573	3722	4323	4503	2570	1414	4630	4327	4405
40 1968 Federal Report Surplus Deficit	3736	3766	2178	503	2359	2237	3078	4098	4417	1410	2861	4324	4014	4221
41 1969 Federal Report Surplus Deficit	3739	3621	2876	1526	3178	2817	3943	4586	4461	4119	4205	4952	4263	4189
42 1970 Federal Report Surplus Deficit	3242	3060	2114	669	1925	1656	2964	3276	3295	2019	3252	4704	4389	3166
43 1971 Federal Report Surplus Deficit	3195	2926	1845	172	1203	2322	3988	4785	4833	4232	4086	4898	4489	4481
44 1972 Federal Report Surplus Deficit	3840	4238	2332	855	1968	2493	3914	4887	4604	4253	4057	4883	4375	4534
45 1973 Federal Report Surplus Deficit	3691	4124	2432	753	2057	2219	2813	2269	2029	555	2402	4355	1978	2943
46 1974 Federal Report Surplus Deficit	2855	2662	1571	134	1370	2810	4113	4755	4472	4261	4277	4861	4469	4857
47 1975 Federal Report Surplus Deficit	3698	4149	2442	26.4	1314	1784	3138	3458	4363	1755	3231	4797	4508	4586
48 1976 Federal Report Surplus Deficit	3649	3735	2481	1767	3296	3530	3860	4637	4712	4116	4084	4957	4217	4438
49 1977 Federal Report Surplus Deficit	3874	4258	3977	829	1442	1081	1559	1388	1062	516	1770	3019	414	2616
50 1978 Federal Report Surplus Deficit	2790	2537	1538	-229	1336	2102	2787	3083	3862	4158	3726	4598	3586	4213
51 1979 Federal Report Surplus Deficit	3432	3226	2585	952	2000	1387	1523	2720	3689	1714	3528	4794	3500	1854
52 1980 Federal Report Surplus Deficit	2605	2632	1996	320	1466	981	2251	1166	1920	2531	3836	4937	4108	3586
53 1981 Federal Report Surplus Deficit	2377	2659	1890	274	1945	3010	3603	4198	3492	734	3306	4740	4348	4258
54 1982 Federal Report Surplus Deficit	3824	4191	2246	414	2372	2195	3464	4968	4724	4214	4014	4791	4473	4820

Federal Report Surplus Deficit By Water Year

Operating Year 2021

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Federal Report Surplus Deficit	3821	4228	2961	1595	2427	2592	3690	4604	4874	3737	3817	4731	4188	4415
56 1984 Federal Report Surplus Deficit	3701	3983	2414	589	3384	2787	3469	4290	4663	4240	4151	4811	4515	4307
57 1985 Federal Report Surplus Deficit	3822	3484	2415	655	2315	2238	2460	2516	2961	3364	3955	4784	3397	3024
58 1986 Federal Report Surplus Deficit	1787	2394	1897	1113	2732	2383	3129	4383	4861	4115	4136	4638	4067	3800
59 1987 Federal Report Surplus Deficit	3293	2746	1743	96.1	2108	2328	1843	1835	3274	1031	3179	4663	3408	2827
60 1988 Federal Report Surplus Deficit	2412	2401	1788	59.5	1270	968	582	134	2090	994	3016	4306	2331	3641
61 1989 Federal Report Surplus Deficit	3037	2795	1929	89.8	1663	1934	1004	224	3475	2877	4250	4689	3536	3259
62 1990 Federal Report Surplus Deficit	2479	2683	1927	299	1995	2494	2809	4067	4460	2630	4163	4622	4200	4126
63 1991 Federal Report Surplus Deficit	3810	3829	1970	60.3	3285	2925	3638	3997	4452	3510	3608	4752	4061	4339
64 1992 Federal Report Surplus Deficit	3794	3912	1986	90.4	1307	983	1542	2286	3242	562	2393	4292	1918	2762
65 1993 Federal Report Surplus Deficit	2809	2567	1480	46.8	1647	1348	242	25.7	2712	1842	3469	4766	3981	3469
66 1994 Federal Report Surplus Deficit	3080	3059	2118	255	1823	1517	762	874	2376	872	3016	4303	3205	3241
67 1995 Federal Report Surplus Deficit	2880	2602	1656	127	976	1584	2117	2763	3605	3492	3444	4724	4215	4044
68 1996 Federal Report Surplus Deficit	2965	3067	2286	1538	3339	3683	4093	4969	4824	4185	4377	4873	4180	4383
69 1997 Federal Report Surplus Deficit	3794	3910	2214	381	2178	2838	4151	4789	4688	4052	4340	4838	4398	4470
70 1998 Federal Report Surplus Deficit	3815	4227	2925	3494	3139	2250	2348	3474	3265	2369	3825	4863	4419	4107
71 1999 Federal Report Surplus Deficit	3871	3502	2028	190	1045	2736	3869	4790	4695	3481	4101	4798	4462	4623
72 2000 Federal Report Surplus Deficit	3903	4301	2451	402	3350	3073	3096	3451	4287	4158	4207	4808	3286	4042
73 2001 Federal Report Surplus Deficit	3728	2685	1846	304	1285	1244	1280	1188	1540	596	1956	3862	573	2583
74 2002 Federal Report Surplus Deficit	2815	2712	1606	-316	1338	1663	1033	1186	2617	2439	4005	4672	4284	4372
75 2003 Federal Report Surplus Deficit	3315	3464	2015	331	1679	1357	838	957	3953	2452	3631	4591	4279	3092
76 2004 Federal Report Surplus Deficit	2386	2576	1735	152	2348	2272	1579	698	2726	1959	3358	4614	3513	3600
77 2005 Federal Report Surplus Deficit	2143	2871	2076	823	2013	2422	2293	3115	2316	998	3004	4520	3689	3466
78 2006 Federal Report Surplus Deficit	3261	2950	1995	31.4	2201	2178	3433	3879	4200	4153	4290	4814	4274	4045
79 2007 Federal Report Surplus Deficit	2912	2750	1862	-72.6	2216	2225	3080	2830	4685	3877	3549	4761	3711	4170
80 2008 Federal Report Surplus Deficit	2885	2593	1730	196	2173	1542	1734	1637	2920	2096	1593	4749	4591	4281
Ranked Averages														
81 Bottom 10 pct	2197	2559	1846	371	1600	1959	2512	2780	3384	2128	3563	4615	3577	3890
82 Middle 80 pct	3315	3241	2071	527	1976	2140	2462	2860	3562	2785	3449	4649	3806	3780
83 Top 10 pct	3846	4054	2667	1054	2257	2332	3050	3760	3809	3261	3718	4585	3627	4023

Federal Report Surplus Deficit By Water Year

Operating Year 2022

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	3240	3490	2722	-33.3	1152	1092	923	928	1222	689	2551	3549	4098	1193
2 1930 Federal Report Surplus Deficit	2791	2682	2674	205	1364	1160	209	1082	1246	1458	2833	3122	2798	3107
3 1931 Federal Report Surplus Deficit	3000	2659	2271	92.7	1568	1204	-246	118	2183	1346	-437	3942	2405	3393
4 1932 Federal Report Surplus Deficit	3172	2764	2540	-328	720	1170	145	-499	3158	3985	3933	4652	4866	3967
5 1933 Federal Report Surplus Deficit	3359	3409	3064	69.1	918	2412	2995	3487	3789	2460	3329	4541	5182	4485
6 1934 Federal Report Surplus Deficit	3615	3983	3065	976	3122	3596	3801	4373	4386	3813	3939	4473	4285	3410
7 1935 Federal Report Surplus Deficit	2114	2430	1967	24.2	344	1472	2950	3020	3875	1136	3420	4412	4298	4091
8 1936 Federal Report Surplus Deficit	3694	2899	2555	-21.5	1115	1122	-67.6	882	1720	1566	3836	4663	4759	3399
9 1937 Federal Report Surplus Deficit	2605	2605	2380	119	1515	1144	-7.33	291	1137	989	250	4133	3688	2386
10 1938 Federal Report Surplus Deficit	2730	2482	2586	33.1	1122	1608	2738	2988	4176	3835	4171	4626	4656	4019
11 1939 Federal Report Surplus Deficit	2084	2489	2864	95.6	860	1058	2005	1673	2432	2666	3795	4536	3468	3326
12 1940 Federal Report Surplus Deficit	2458	2368	2271	179	1823	2075	1336	1697	4272	2768	3476	4493	3830	2963
13 1941 Federal Report Surplus Deficit	2383	2280	2312	-155	1516	1643	728	870	1555	560	2131	4046	3585	3124
14 1942 Federal Report Surplus Deficit	2939	2669	2667	-338	2029	2680	2482	2234	2252	1511	3365	4248	4288	4133
15 1943 Federal Report Surplus Deficit	3331	3332	3078	195	360	1769	3122	3409	4219	4106	4206	4533	5173	4353
16 1944 Federal Report Surplus Deficit	3434	3153	2694	-22.3	1182	1059	1189	1015	950	591	2263	2738	2136	2198
17 1945 Federal Report Surplus Deficit	2639	2528	2231	-76.5	1334	1109	125	599	1356	812	-104	4610	4634	1979
18 1946 Federal Report Surplus Deficit	2399	2677	2610	-69.5	1236	1974	2444	2739	3894	3912	4163	4634	4638	4163
19 1947 Federal Report Surplus Deficit	3658	3826	3064	-136	1966	3275	3594	3914	4393	3402	3657	4635	4599	4130
20 1948 Federal Report Surplus Deficit	3270	2976	3002	3028	2986	2712	3462	3391	4041	2969	3867	4727	5080	4245
21 1949 Federal Report Surplus Deficit	3613	4058	3351	370	1645	1846	2281	1975	4562	3421	3999	4696	4673	2335
22 1950 Federal Report Surplus Deficit	2005	2294	1885	-140	846	2042	3351	4389	4531	4098	3893	4635	5132	4746
23 1951 Federal Report Surplus Deficit	3616	4070	3247	1245	3108	3342	3817	4705	4568	4089	3920	4592	4640	4294
24 1952 Federal Report Surplus Deficit	3728	3166	3013	2392	2564	2731	3230	3751	4306	4095	4294	4729	4740	4076
25 1953 Federal Report Surplus Deficit	3390	2799	2190	-7.28	1204	1158	1012	4216	3291	1640	3265	4614	5211	4379
26 1954 Federal Report Surplus Deficit	3236	3478	3060	291	1962	2334	2985	4347	4393	3122	3651	4646	4899	4660
27 1955 Federal Report Surplus Deficit	3723	4108	3904	431	2678	2302	1538	2038	855	1347	3004	4528	5195	4655
28 1956 Federal Report Surplus Deficit	3578	3776	2859	679	2941	3292	3750	4663	4451	4080	4151	4700	5101	4328
29 1957 Federal Report Surplus Deficit	3608	3947	3078	574	1581	2465	2527	1583	4262	4019	3594	4742	5077	3857
30 1958 Federal Report Surplus Deficit	3235	2960	2684	63.8	1411	1729	2768	3226	3835	2585	3777	4685	4936	3680
31 1959 Federal Report Surplus Deficit	3297	2839	2643	283	2572	3117	3647	4189	4429	3745	3612	4420	4943	4440
32 1960 Federal Report Surplus Deficit	3723	4059	3848	3642	3132	2939	2822	2948	4036	4070	3884	4476	4805	4033
33 1961 Federal Report Surplus Deficit	3633	2783	2748	258	1811	2015	2715	3516	4568	3180	3433	4586	4948	3641
34 1962 Federal Report Surplus Deficit	3167	3014	2514	-162	1433	1966	2633	2905	1973	3970	4164	4616	4602	3838
35 1963 Federal Report Surplus Deficit	3408	3231	2643	965	2672	2966	3032	3269	3073	1586	3191	4592	4517	3984
36 1964 Federal Report Surplus Deficit	3365	2934	3201	-51.3	1394	1987	1828	1685	2327	3468	3125	4599	5143	4544
37 1965 Federal Report Surplus Deficit	3623	3877	3507	1255	2419	3343	3912	4720	4348	2878	4030	4600	4570	4083
38 1966 Federal Report Surplus Deficit	3612	3809	2587	585	1807	2134	2383	2525	2562	3950	3475	4181	4424	4081
39 1967 Federal Report Surplus Deficit	3615	2919	2735	-114	1084	2477	3517	4042	4264	2503	1250	4462	4911	4353
40 1968 Federal Report Surplus Deficit	3650	3658	3085	335	2189	2141	2870	3794	4164	1331	2679	4071	4626	4144
41 1969 Federal Report Surplus Deficit	3654	3513	3557	1362	2991	2736	3744	4326	4306	3956	4030	4726	4869	4110
42 1970 Federal Report Surplus Deficit	3155	2944	2917	502	1762	1615	2774	3014	3086	1942	3068	4539	5047	3135
43 1971 Federal Report Surplus Deficit	3108	2810	2477	-13.5	1052	2226	3789	4529	4650	4068	3898	4675	5093	4433
44 1972 Federal Report Surplus Deficit	3756	4137	3247	693	1805	2395	3713	4718	4475	4089	3859	4665	4988	4490
45 1973 Federal Report Surplus Deficit	3609	4025	3352	589	1892	2130	2635	2049	1796	492	2226	4107	3062	2921
46 1974 Federal Report Surplus Deficit	2768	2544	2179	-52.4	1216	2727	3907	4499	4343	4098	4106	4655	5075	4846
47 1975 Federal Report Surplus Deficit	3615	4049	3364	-182	1161	1733	2929	3197	4144	1676	3046	4619	5155	4548
48 1976 Federal Report Surplus Deficit	3563	3627	3394	1587	3098	3566	3658	4375	4479	3953	3895	4723	4827	4389
49 1977 Federal Report Surplus Deficit	3799	4159	4043	667	1286	1083	1383	1175	811	452	1602	2504	1952	2608
50 1978 Federal Report Surplus Deficit	2703	2417	1712	-459	1183	2018	2609	3025	3479	3994	3531	4421	4243	4135
51 1979 Federal Report Surplus Deficit	3346	3113	3407	793	1836	1385	1349	2500	3483	1635	3340	4628	4209	1879
52 1980 Federal Report Surplus Deficit	2517	2513	2707	141	1309	1051	2073	960	1685	2459	3646	4690	4721	3534
53 1981 Federal Report Surplus Deficit	2289	2541	2695	92.0	1781	2938	3401	3909	3286	663	3119	4576	4991	4198
54 1982 Federal Report Surplus Deficit	3739	4089	3153	235	2201	2105	3248	4711	4594	4050	3816	4582	5127	4812

Federal Report Surplus Deficit By Water Year

Operating Year 2022

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Federal Report Surplus Deficit	3737	4128	3715	1435	2256	2495	3481	4323	4663	3622	3622	4562	4797	4360
56 1984 Federal Report Surplus Deficit	3616	3879	3336	420	3190	2700	3252	3993	4408	4076	3968	4635	5174	4238
57 1985 Federal Report Surplus Deficit	3736	3372	3337	485	2146	2145	2282	2296	2746	3243	3759	4620	4141	2999
58 1986 Federal Report Surplus Deficit	1700	2275	2452	954	2556	2286	2925	4087	4627	3951	3954	4470	4675	3737
59 1987 Federal Report Surplus Deficit	3207	2627	2347	-103	1942	2232	1667	1617	3065	955	2995	4490	4100	2809
60 1988 Federal Report Surplus Deficit	2324	2280	2196	-131	1115	1039	421	-33.8	1858	919	2833	4044	3379	3586
61 1989 Federal Report Surplus Deficit	2950	2677	2546	-108	1504	1862	837	51.9	3267	2795	4074	4522	4240	3223
62 1990 Federal Report Surplus Deficit	2391	2564	2496	117	1830	2399	2623	3785	4228	2541	3978	4449	4817	4049
63 1991 Federal Report Surplus Deficit	3724	3722	2663	-141	3085	2843	3432	3760	4193	3412	3419	4585	4665	4292
64 1992 Federal Report Surplus Deficit	3711	3805	2713	-108	1154	1051	1368	2065	3033	499	2217	4033	3005	2747
65 1993 Federal Report Surplus Deficit	2722	2449	1674	-141	1488	1349	87.6	-138	2490	1763	3282	4601	4613	3423
66 1994 Federal Report Surplus Deficit	2993	2943	2838	69.9	1660	1480	598	676	2150	801	2833	4065	3945	3205
67 1995 Federal Report Surplus Deficit	2793	2483	2367	-55.8	827	1550	1940	2679	3274	3373	3257	4558	4839	3970
68 1996 Federal Report Surplus Deficit	2878	2952	3182	1378	3153	3676	3891	4713	4590	4021	4198	4660	4797	4340
69 1997 Federal Report Surplus Deficit	3709	3803	3097	203	2012	2755	3947	4532	4559	3889	4162	4601	5043	4424
70 1998 Federal Report Surplus Deficit	3730	4126	3686	3243	2956	2159	2170	3198	3055	2298	3635	4630	5034	4030
71 1999 Federal Report Surplus Deficit	3785	3390	2752	-4.94	896	2646	3667	4531	4566	3361	3909	4633	5094	4572
72 2000 Federal Report Surplus Deficit	3826	4201	3368	225	3164	3004	2892	3188	4064	4004	4031	4638	4074	3966
73 2001 Federal Report Surplus Deficit	3642	2566	2268	121	1131	1246	1107	981	1298	530	1786	3509	2111	2580
74 2002 Federal Report Surplus Deficit	2728	2593	1789	-546	1185	1622	866	979	2395	2367	3815	4499	4917	4303
75 2003 Federal Report Surplus Deficit	3229	3351	2691	157	1519	1356	673	756	3751	2373	3442	4420	4889	3067
76 2004 Federal Report Surplus Deficit	2298	2455	2028	-31.1	2177	2177	1405	506	2507	1882	3172	4435	4192	3549
77 2005 Federal Report Surplus Deficit	2055	2755	2986	662	1848	2324	2115	2859	2090	920	2820	4355	4356	3424
78 2006 Federal Report Surplus Deficit	3174	2832	2576	-163	2033	2087	3218	3613	3974	3990	4113	4605	4906	3974
79 2007 Federal Report Surplus Deficit	2825	2631	2198	-291	2049	2132	2882	2599	4438	3773	3361	4595	4375	4093
80 2008 Federal Report Surplus Deficit	2798	2473	1989	16.8	2005	1516	1559	1421	2703	2020	1428	4573	5205	4202
Ranked Averages														
81 Bottom 10 pct	2109	2440	2384	191	1441	1917	2322	2551	3151	2029	3376	4433	4311	3832
82 Middle 80 pct	3229	3128	2758	341	1811	2096	2276	2628	3336	2677	3266	4439	4509	3733
83 Top 10 pct	3764	3950	3413	872	2089	2254	2855	3518	3622	3140	3529	4354	4401	3980

Federal Report Surplus Deficit By Water Year

Operating Year 2023

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	3098	3590	2695	-62.9	1175	1017	872	940	1113	314	2548	4054	3156	1971
2 1930 Federal Report Surplus Deficit	2692	2800	2648	180	1386	1086	194	1090	1138	381	2830	3780	1481	3594
3 1931 Federal Report Surplus Deficit	2879	2775	2245	68.7	1590	1126	-230	84.4	2006	316	-410	4287	932	3801
4 1932 Federal Report Surplus Deficit	3033	2879	2515	-360	744	1094	143	-577	2974	430	3956	4787	4052	4162
5 1933 Federal Report Surplus Deficit	3211	3512	3028	42.3	942	2317	2899	3419	3759	320	3328	4675	4433	4429
6 1934 Federal Report Surplus Deficit	3479	4075	3029	957	3141	3496	3749	4336	4382	258	3967	4605	3443	3788
7 1935 Federal Report Surplus Deficit	2081	2549	1950	-0.76	370	1393	2853	3064	3756	280	3422	4568	3426	4190
8 1936 Federal Report Surplus Deficit	3533	3013	2535	-49.8	1138	1047	-51.8	892	1571	312	3853	4802	3934	3792
9 1937 Federal Report Surplus Deficit	2524	2724	2363	92.6	1536	1067	-12.4	270	1042	453	272	4421	2598	3012
10 1938 Federal Report Surplus Deficit	2629	2602	2560	5.77	1145	1528	2639	3033	4064	510	4200	4763	3820	4178
11 1939 Federal Report Surplus Deficit	2060	2612	2833	69.2	884	986	1916	1710	2255	457	3805	4681	2405	3757
12 1940 Federal Report Surplus Deficit	2373	2489	2249	155	1844	1984	1264	1731	4182	381	3480	4650	2859	3479
13 1941 Federal Report Surplus Deficit	2330	2405	2288	-183	1537	1561	692	880	1416	238	2130	4285	2566	3586
14 1942 Federal Report Surplus Deficit	2815	2785	2634	-370	2049	2580	2384	2279	2075	395	3366	4411	3445	4114
15 1943 Federal Report Surplus Deficit	3175	3434	3040	171	387	1685	3027	3451	4123	551	4234	4666	4398	4298
16 1944 Federal Report Surplus Deficit	3275	3260	2669	-53.0	1205	985	1123	1030	871	253	2262	3523	550	2851
17 1945 Federal Report Surplus Deficit	2541	2646	2207	-106	1357	1032	128	582	1245	417	-78.2	4742	3807	2666
18 1946 Federal Report Surplus Deficit	2345	2797	2589	-100	1259	1887	2347	2786	3750	357	4197	4773	3805	4208
19 1947 Federal Report Surplus Deficit	3495	3920	3027	-169	1986	3167	3520	3936	4345	490	3664	4774	3769	4187
20 1948 Federal Report Surplus Deficit	3118	3088	2967	3001	3002	2611	3378	3431	3929	377	3887	4847	4297	4214
21 1949 Federal Report Surplus Deficit	3485	4148	3299	348	1666	1760	2183	2016	4543	489	4024	4830	3847	2958
22 1950 Federal Report Surplus Deficit	1987	2417	1887	-172	870	1951	3263	4389	4480	543	3908	4766	4345	4728
23 1951 Federal Report Surplus Deficit	3483	4160	3208	1225	3124	3234	3770	4669	4565	534	3942	4735	3807	4243
24 1952 Federal Report Surplus Deficit	3566	3274	2978	2367	2581	2629	3139	3788	4222	540	4322	4849	3914	4193
25 1953 Federal Report Surplus Deficit	3229	2914	2180	-36.4	1227	1082	965	4234	3111	265	3263	4745	4472	4323
26 1954 Federal Report Surplus Deficit	3099	3579	3025	268	1982	2240	2887	4356	4338	490	3658	4785	4072	4647
27 1955 Federal Report Surplus Deficit	3630	4198	3852	409	2696	2206	1464	2082	791	317	3001	4675	4388	4643
28 1956 Federal Report Surplus Deficit	3445	3871	2827	658	2957	3185	3685	4644	4431	525	4187	4829	4297	4273
29 1957 Federal Report Surplus Deficit	3448	4039	3042	553	1603	2369	2428	1614	4160	503	3599	4823	4288	4107
30 1958 Federal Report Surplus Deficit	3096	3071	2657	36.3	1433	1646	2668	3271	3706	334	3790	4814	4107	4003
31 1959 Federal Report Surplus Deficit	3149	2953	2616	260	2589	3010	3575	4194	4408	345	3618	4551	4133	4391
32 1960 Federal Report Surplus Deficit	3591	4149	3791	3626	3151	2833	2725	2994	3911	514	3900	4643	3977	4103
33 1961 Federal Report Surplus Deficit	3467	2899	2719	235	1832	1927	2616	3556	4556	390	3433	4726	4123	3947
34 1962 Federal Report Surplus Deficit	3033	3125	2487	-194	1455	1879	2534	2951	1810	415	4193	4748	3768	4099
35 1963 Federal Report Surplus Deficit	3246	3337	2619	946	2689	2861	2940	3313	2890	430	3189	4726	3679	4097
36 1964 Federal Report Surplus Deficit	3206	3044	3163	-81.0	1417	1899	1744	1722	2148	354	3123	4729	4390	4502
37 1965 Federal Report Surplus Deficit	3487	3968	3454	1236	2437	3235	3865	4683	4328	479	4058	4738	3740	4174
38 1966 Federal Report Surplus Deficit	3463	3902	2557	565	1828	2042	2286	2572	2378	395	3478	4444	3581	4171
39 1967 Federal Report Surplus Deficit	3450	3031	2705	-142	1107	2380	3436	4057	4208	342	1258	4594	4141	4300
40 1968 Federal Report Surplus Deficit	3486	3755	3047	313	2208	2048	2771	3826	4087	245	2676	4366	3799	4167
41 1969 Federal Report Surplus Deficit	3493	3610	3499	1342	3008	2635	3680	4316	4266	401	4062	4847	4049	4184
42 1970 Federal Report Surplus Deficit	3020	3057	2886	480	1784	1534	2675	3059	2902	423	3065	4668	4206	3619
43 1971 Federal Report Surplus Deficit	2979	2925	2454	-40.6	1076	2134	3725	4492	4647	513	3925	4808	4335	4377
44 1972 Federal Report Surplus Deficit	3617	4227	3209	672	1826	2301	3642	4681	4455	534	3877	4807	4191	4441
45 1973 Federal Report Surplus Deficit	3494	4114	3313	569	1912	2040	2537	2092	1642	253	2225	4393	1844	3449
46 1974 Federal Report Surplus Deficit	2669	2662	2157	-79.5	1240	2626	3863	4462	4323	543	4130	4792	4271	4824
47 1975 Federal Report Surplus Deficit	3489	4139	3325	-215	1184	1651	2831	3241	4028	293	3044	4756	4346	4531
48 1976 Federal Report Surplus Deficit	3398	3724	3344	1567	3115	3462	3586	4368	4475	397	3915	4835	4007	4329
49 1977 Federal Report Surplus Deficit	3716	4248	3974	647	1309	1005	1306	1200	747	398	1605	3368	282	3193
50 1978 Federal Report Surplus Deficit	2599	2538	1709	-498	1206	1930	2511	3070	3313	439	3538	4558	3391	4190
51 1979 Federal Report Surplus Deficit	3191	3220	3343	773	1856	1307	1280	2547	3308	435	3339	4758	3322	2579
52 1980 Federal Report Surplus Deficit	2444	2634	2680	116	1332	980	1983	971	1541	343	3660	4824	3911	3911
53 1981 Federal Report Surplus Deficit	2227	2659	2663	66.0	1802	2833	3325	3930	3112	260	3117	4707	4187	4149
54 1982 Federal Report Surplus Deficit	3603	4179	3116	211	2220	2015	3155	4675	4575	495	3832	4723	4306	4830

Federal Report Surplus Deficit By Water Year

Operating Year 2023

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Federal Report Surplus Deficit	3602	4217	3654	1415	2275	2399	3396	4338	4660	484	3628	4696	3977	4309
56 1984 Federal Report Surplus Deficit	3466	3970	3294	398	3208	2600	3159	4020	4331	521	3995	4770	4339	4212
57 1985 Federal Report Surplus Deficit	3574	3477	3297	462	2166	2055	2186	2342	2559	430	3773	4749	3227	3512
58 1986 Federal Report Surplus Deficit	1703	2398	2432	934	2574	2192	2826	4113	4624	396	3983	4605	3846	4040
59 1987 Federal Report Surplus Deficit	3071	2746	2325	-134	1963	2139	1588	1652	2881	372	2992	4637	3225	3354
60 1988 Federal Report Surplus Deficit	2264	2405	2183	-159	1138	968	404	-79.4	1701	395	2830	4359	2196	3942
61 1989 Federal Report Surplus Deficit	2833	2795	2523	-138	1526	1776	796	12.9	3084	484	4101	4653	3356	3688
62 1990 Federal Report Surplus Deficit	2322	2685	2476	91.2	1850	2302	2524	3811	4151	390	4003	4595	3985	4184
63 1991 Federal Report Surplus Deficit	3562	3818	2636	-172	3102	2739	3349	3788	4124	325	3421	4715	3841	4230
64 1992 Federal Report Surplus Deficit	3580	3899	2685	-138	1177	979	1295	2109	2849	445	2216	4342	1784	3304
65 1993 Federal Report Surplus Deficit	2624	2568	1671	-168	1509	1271	89.7	-189	2310	439	3281	4730	3775	3835
66 1994 Federal Report Surplus Deficit	2877	3056	2811	43.2	1682	1399	569	676	1978	369	2830	4333	3034	3670
67 1995 Federal Report Surplus Deficit	2695	2602	2340	-82.0	851	1470	1853	2589	3224	424	3256	4687	4008	4166
68 1996 Federal Report Surplus Deficit	2772	3064	3145	1359	3171	3586	3842	4676	4587	466	4235	4802	3973	4285
69 1997 Federal Report Surplus Deficit	3564	3897	3061	178	2032	2654	3900	4495	4539	334	4189	4736	4216	4379
70 1998 Federal Report Surplus Deficit	3586	4216	3625	3217	2972	2069	2078	3242	2870	338	3639	4744	4270	4179
71 1999 Federal Report Surplus Deficit	3624	3495	2725	-34.4	920	2547	3617	4499	4546	367	3928	4762	4270	4521
72 2000 Federal Report Surplus Deficit	3736	4291	3316	200	3183	2899	2793	3232	3943	449	4056	4772	3125	4145
73 2001 Federal Report Surplus Deficit	3476	2687	2255	94.4	1154	1169	1042	996	1180	240	1788	4024	441	3182
74 2002 Federal Report Surplus Deficit	2631	2712	1786	-585	1208	1541	823	993	2214	419	3835	4642	4098	4274
75 2003 Federal Report Surplus Deficit	3099	3457	2665	133	1540	1278	641	759	3597	406	3444	4562	4068	3580
76 2004 Federal Report Surplus Deficit	2255	2579	2020	-57.3	2196	2086	1336	495	2322	407	3170	4591	3325	3934
77 2005 Federal Report Surplus Deficit	2024	2870	2949	642	1869	2230	2020	2904	1918	197	2817	4487	3498	3854
78 2006 Federal Report Surplus Deficit	3050	2949	2555	-193	2053	1997	3126	3651	3866	435	4140	4738	4085	4206
79 2007 Federal Report Surplus Deficit	2730	2752	2188	-327	2068	2042	2784	2646	4384	461	3361	4725	3518	4231
80 2008 Federal Report Surplus Deficit	2702	2596	1983	-8.49	2025	1436	1484	1451	2516	401	1435	4710	4422	4277
Ranked Averages														
81 Bottom 10 pct	2075	2561	2365	165	1463	1830	2243	2566	3021	367	3382	4595	3403	4074
82 Middle 80 pct	3100	3226	2717	310	1821	1992	2209	2647	3243	399	3286	4625	3607	3932
83 Top 10 pct	3640	4126	3455	893	2198	2276	2762	3462	3453	445	3479	4555	3564	4273

Federal Report Surplus Deficit By Water Year

Operating Year 2024

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	3118	3598	2687	-107	1162	989	1003	1035	1352	697	2578	3468	4022	1213
2 1930 Federal Report Surplus Deficit	2685	2764	2638	131	1373	1057	289	1189	1376	1466	2859	3041	2722	3127
3 1931 Federal Report Surplus Deficit	2885	2746	2236	19.0	1578	1101	-165	226	2313	1355	-410	3862	2329	3413
4 1932 Federal Report Surplus Deficit	3050	2852	2504	-402	730	1067	226	-391	3289	3993	3959	4571	4790	3987
5 1933 Federal Report Surplus Deficit	3235	3517	3039	-4.61	928	2310	3076	3594	3920	2468	3356	4460	5106	4505
6 1934 Federal Report Surplus Deficit	3516	4073	3040	902	3132	3493	3882	4480	4516	3822	3965	4392	4209	3430
7 1935 Federal Report Surplus Deficit	2044	2505	1926	-49.5	353	1369	3031	3127	4005	1144	3447	4331	4222	4111
8 1936 Federal Report Surplus Deficit	3581	2991	2515	-95.2	1125	1020	13.2	990	1850	1574	3862	4582	4683	3419
9 1937 Federal Report Surplus Deficit	2508	2680	2340	44.8	1524	1041	73.5	398	1268	998	277	4053	3612	2406
10 1938 Federal Report Surplus Deficit	2623	2556	2549	-40.6	1131	1506	2819	3095	4307	3843	4197	4545	4580	4039
11 1939 Federal Report Surplus Deficit	2019	2552	2833	21.8	870	955	2085	1781	2562	2674	3821	4456	3392	3346
12 1940 Federal Report Surplus Deficit	2359	2441	2233	105	1833	1972	1417	1804	4403	2776	3503	4412	3755	2983
13 1941 Federal Report Surplus Deficit	2301	2335	2275	-228	1525	1540	809	978	1685	569	2158	3965	3509	3144
14 1942 Federal Report Surplus Deficit	2822	2756	2639	-412	2039	2577	2563	2342	2383	1520	3391	4167	4212	4153
15 1943 Federal Report Surplus Deficit	3206	3440	3059	122	370	1666	3203	3516	4350	4114	4233	4453	5097	4373
16 1944 Federal Report Surplus Deficit	3309	3258	2658	-96.1	1192	956	1270	1122	1081	599	2290	2658	2060	2218
17 1945 Federal Report Surplus Deficit	2534	2609	2194	-150	1344	1006	206	707	1486	820	-77.5	4529	4558	1999
18 1946 Federal Report Surplus Deficit	2317	2754	2572	-143	1245	1871	2525	2847	4024	3920	4190	4553	4562	4183
19 1947 Federal Report Surplus Deficit	3542	3925	3039	-210	1975	3172	3675	4021	4524	3411	3683	4554	4523	4150
20 1948 Federal Report Surplus Deficit	3146	3074	2975	2954	2995	2609	3542	3499	4172	2978	3893	4646	5004	4266
21 1949 Federal Report Surplus Deficit	3516	4137	3324	296	1654	1743	2362	2082	4692	3429	4026	4615	4597	2355
22 1950 Federal Report Surplus Deficit	1944	2345	1841	-214	855	1939	3432	4496	4661	4106	3919	4555	5056	4766
23 1951 Federal Report Surplus Deficit	3518	4152	3228	1171	3117	3239	3898	4813	4699	4097	3946	4511	4564	4314
24 1952 Federal Report Surplus Deficit	3614	3270	2986	2318	2573	2628	3311	3859	4437	4104	4321	4648	4664	4097
25 1953 Federal Report Surplus Deficit	3266	2888	2148	-81.0	1213	1055	1093	4324	3422	1649	3292	4533	5135	4399
26 1954 Federal Report Surplus Deficit	3115	3586	3034	217	1971	2232	3065	4455	4524	3130	3677	4565	4823	4680
27 1955 Federal Report Surplus Deficit	3621	4180	3889	357	2688	2199	1619	2146	985	1356	3030	4448	5119	4675
28 1956 Federal Report Surplus Deficit	3480	3877	2828	605	2950	3189	3831	4770	4556	4088	4178	4619	5025	4348
29 1957 Federal Report Surplus Deficit	3496	4038	3052	500	1591	2363	2607	1690	4393	4027	3620	4661	5001	3877
30 1958 Federal Report Surplus Deficit	3113	3056	2649	-9.91	1421	1626	2848	3334	3965	2593	3804	4604	4860	3700
31 1959 Federal Report Surplus Deficit	3173	2932	2608	210	2581	3014	3728	4297	4559	3753	3639	4339	4867	4460
32 1960 Federal Report Surplus Deficit	3626	4142	3813	3568	3142	2836	2903	3056	4167	4078	3911	4395	4729	4053
33 1961 Federal Report Surplus Deficit	3512	2870	2714	185	1821	1912	2796	3623	4698	3189	3459	4505	4872	3661
34 1962 Federal Report Surplus Deficit	3047	3113	2478	-236	1443	1863	2714	3013	2104	3979	4191	4535	4526	3858
35 1963 Federal Report Surplus Deficit	3284	3337	2606	891	2681	2863	3112	3377	3203	1594	3218	4511	4441	4004
36 1964 Federal Report Surplus Deficit	3240	3035	3181	-125	1404	1885	1909	1793	2457	3477	3152	4518	5067	4564
37 1965 Federal Report Surplus Deficit	3524	3967	3488	1182	2428	3240	3993	4827	4453	2887	4056	4520	4494	4103
38 1966 Federal Report Surplus Deficit	3508	3904	2554	512	1817	2031	2464	2633	2693	3958	3501	4100	4348	4102
39 1967 Federal Report Surplus Deficit	3496	3013	2703	-188	1093	2374	3598	4149	4395	2511	1277	4381	4835	4373
40 1968 Federal Report Surplus Deficit	3532	3763	3063	261	2199	2038	2951	3902	4294	1339	2706	3990	4550	4164
41 1969 Federal Report Surplus Deficit	3541	3618	3542	1288	3001	2634	3824	4434	4436	3964	4057	4645	4793	4130
42 1970 Federal Report Surplus Deficit	3035	3039	2886	428	1772	1512	2855	3122	3216	1951	3094	4458	4971	3155
43 1971 Federal Report Surplus Deficit	2989	2899	2440	-87.3	1062	2123	3870	4637	4781	4077	3925	4594	5017	4453
44 1972 Federal Report Surplus Deficit	3656	4212	3227	619	1815	2293	3794	4825	4580	4098	3885	4584	4912	4510
45 1973 Federal Report Surplus Deficit	3513	4097	3338	516	1901	2027	2716	2157	1926	501	2253	4026	2986	2941
46 1974 Federal Report Surplus Deficit	2662	2625	2141	-126	1226	2624	3987	4606	4448	4106	4132	4574	4999	4866
47 1975 Federal Report Surplus Deficit	3519	4121	3347	-256	1171	1630	3010	3305	4275	1684	3073	4538	5079	4568
48 1976 Federal Report Surplus Deficit	3443	3732	3371	1513	3108	3463	3739	4482	4609	3961	3922	4642	4751	4409
49 1977 Federal Report Surplus Deficit	3692	4231	3966	594	1296	980	1464	1283	941	461	1628	2423	1876	2628
50 1978 Federal Report Surplus Deficit	2595	2490	1670	-532	1192	1915	2690	3133	3610	4002	3557	4340	4167	4155
51 1979 Federal Report Surplus Deficit	3221	3217	3380	719	1845	1282	1429	2608	3614	1643	3367	4547	4133	1899
52 1980 Federal Report Surplus Deficit	2424	2582	2672	67.3	1319	949	2154	1068	1816	2467	3672	4609	4645	3554
53 1981 Federal Report Surplus Deficit	2202	2621	2663	18.3	1791	2835	3481	4016	3417	672	3146	4495	4915	4218
54 1982 Federal Report Surplus Deficit	3640	4170	3131	162	2211	2002	3329	4819	4700	4059	3843	4501	5051	4832

Federal Report Surplus Deficit By Water Year

Operating Year 2024

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Federal Report Surplus Deficit	3639	4203	3695	1361	2266	2392	3562	4431	4794	3631	3649	4482	4721	4380
56 1984 Federal Report Surplus Deficit	3511	3968	3318	347	3200	2597	3333	4100	4539	4085	3995	4554	5098	4258
57 1985 Federal Report Surplus Deficit	3622	3479	3321	411	2156	2043	2363	2404	2877	3251	3785	4539	4065	3019
58 1986 Federal Report Surplus Deficit	1651	2326	2413	880	2566	2183	3006	4194	4758	3960	3980	4390	4599	3757
59 1987 Federal Report Surplus Deficit	3086	2703	2309	-177	1952	2129	1748	1725	3195	963	3022	4409	4024	2829
60 1988 Federal Report Surplus Deficit	2238	2336	2155	-204	1125	936	502	73.8	1989	928	2860	3964	3303	3606
61 1989 Federal Report Surplus Deficit	2836	2760	2508	-182	1514	1759	918	160	3397	2803	4100	4441	4164	3243
62 1990 Federal Report Surplus Deficit	2300	2637	2457	43.3	1839	2296	2704	3893	4358	2549	4005	4369	4741	4069
63 1991 Federal Report Surplus Deficit	3610	3826	2627	-215	3095	2740	3512	3868	4323	3420	3445	4505	4589	4312
64 1992 Federal Report Surplus Deficit	3613	3905	2678	-181	1163	948	1448	2173	3163	508	2244	3953	2930	2767
65 1993 Federal Report Surplus Deficit	2617	2526	1632	-215	1497	1246	168	-29.9	2620	1771	3308	4520	4537	3443
66 1994 Federal Report Surplus Deficit	2879	3036	2803	-3.88	1670	1377	679	783	2281	809	2860	3984	3869	3225
67 1995 Federal Report Surplus Deficit	2687	2558	2332	-130	836	1447	2021	2786	3404	3381	3284	4477	4763	3990
68 1996 Federal Report Surplus Deficit	2769	3046	3158	1304	3162	3573	3972	4820	4721	4030	4225	4579	4721	4360
69 1997 Federal Report Surplus Deficit	3607	3903	3072	129	2021	2652	4028	4640	4664	3897	4188	4520	4967	4444
70 1998 Federal Report Surplus Deficit	3629	4201	3665	3169	2965	2056	2251	3306	3185	2306	3662	4549	4958	4050
71 1999 Federal Report Surplus Deficit	3672	3496	2718	-78.7	906	2543	3748	4638	4671	3370	3936	4552	5018	4593
72 2000 Federal Report Surplus Deficit	3723	4275	3342	151	3174	2902	2972	3295	4195	4013	4057	4557	3998	3986
73 2001 Federal Report Surplus Deficit	3520	2635	2228	47.0	1141	1143	1188	1088	1429	539	1813	3428	2035	2600
74 2002 Federal Report Surplus Deficit	2623	2672	1747	-620	1194	1519	946	1086	2525	2376	3842	4419	4841	4323
75 2003 Federal Report Surplus Deficit	3110	3457	2654	83.1	1528	1253	754	864	3881	2382	3469	4339	4813	3087
76 2004 Federal Report Surplus Deficit	2222	2513	1986	-105	2186	2074	1486	614	2638	1890	3199	4354	4116	3569
77 2005 Federal Report Surplus Deficit	1985	2844	2965	588	1858	2221	2196	2966	2221	928	2847	4274	4280	3444
78 2006 Federal Report Surplus Deficit	3057	2915	2538	-237	2042	1984	3298	3721	4105	3998	4140	4524	4830	3994
79 2007 Federal Report Surplus Deficit	2721	2703	2156	-365	2058	2029	2963	2706	4569	3781	3387	4514	4299	4113
80 2008 Federal Report Surplus Deficit	2693	2535	1947	-57.0	2015	1413	1640	1529	2833	2029	1454	4492	5129	4222
Ranked Averages														
81 Bottom 10 pct	2038	2505	2348	117	1450	1814	2402	2659	3281	2038	3402	4352	4235	3852
82 Middle 80 pct	3119	3206	2719	218	1805	1981	2348	2725	3444	2672	3291	4360	4423	3737
83 Top 10 pct	3660	4116	3445	1193	2222	2251	3003	3707	3904	3252	3571	4255	4408	4129

Federal Report Surplus Deficit By Water Year
Operating Year 2025

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	3111	3476	2452	-144	1332	1085	1031	964	1281	371	2601	4094	3125	1964
2 1930 Federal Report Surplus Deficit	2705	2685	2404	99.6	1543	1154	354	1114	1306	439	2883	3821	1450	3587
3 1931 Federal Report Surplus Deficit	2892	2660	2002	-12.0	1746	1194	-70.6	109	2175	374	-357	4327	901	3794
4 1932 Federal Report Surplus Deficit	3046	2764	2271	-441	900	1162	303	-553	3142	487	4009	4828	4021	4155
5 1933 Federal Report Surplus Deficit	3224	3397	2785	-38.4	1099	2385	3058	3444	3928	378	3381	4715	4401	4423
6 1934 Federal Report Surplus Deficit	3492	3960	2785	876	3298	3564	3909	4360	4551	316	4020	4646	3412	3781
7 1935 Federal Report Surplus Deficit	2094	2434	1707	-81.5	527	1461	3013	3089	3924	338	3474	4608	3395	4183
8 1936 Federal Report Surplus Deficit	3546	2899	2291	-130	1295	1115	108	916	1739	370	3906	4843	3903	3785
9 1937 Federal Report Surplus Deficit	2537	2609	2119	11.9	1693	1135	147	295	1211	511	324	4462	2567	3005
10 1938 Federal Report Surplus Deficit	2642	2487	2317	-75.0	1302	1596	2799	3057	4232	567	4253	4804	3789	4171
11 1939 Federal Report Surplus Deficit	2073	2497	2589	-11.6	1041	1054	2075	1734	2424	515	3858	4721	2374	3750
12 1940 Federal Report Surplus Deficit	2386	2374	2005	74.6	2000	2052	1423	1755	4350	439	3533	4690	2828	3472
13 1941 Federal Report Surplus Deficit	2343	2290	2044	-263	1694	1629	852	905	1584	295	2183	4325	2535	3579
14 1942 Federal Report Surplus Deficit	2828	2671	2390	-450	2206	2648	2544	2304	2243	453	3419	4451	3414	4107
15 1943 Federal Report Surplus Deficit	3188	3319	2796	90.2	543	1753	3187	3476	4291	608	4286	4706	4367	4291
16 1944 Federal Report Surplus Deficit	3288	3145	2426	-134	1362	1053	1283	1055	1040	311	2314	3563	519	2844
17 1945 Federal Report Surplus Deficit	2554	2531	1963	-186	1513	1100	288	607	1414	475	-25.4	4783	3776	2659
18 1946 Federal Report Surplus Deficit	2358	2682	2345	-181	1415	1955	2507	2811	3918	415	4249	4813	3774	4201
19 1947 Federal Report Surplus Deficit	3508	3805	2784	-250	2143	3235	3680	3961	4514	548	3717	4815	3738	4180
20 1948 Federal Report Surplus Deficit	3131	2973	2723	2921	3159	2679	3538	3455	4098	434	3940	4888	4266	4207
21 1949 Federal Report Surplus Deficit	3498	4033	3055	267	1823	1828	2343	2040	4711	547	4077	4871	3816	2951
22 1950 Federal Report Surplus Deficit	2000	2302	1643	-253	1026	2019	3422	4413	4648	600	3961	4807	4314	4721
23 1951 Federal Report Surplus Deficit	3496	4045	2965	1145	3281	3302	3930	4693	4734	592	3995	4776	3776	4236
24 1952 Federal Report Surplus Deficit	3578	3159	2735	2287	2738	2697	3299	3812	4390	598	4375	4889	3883	4186
25 1953 Federal Report Surplus Deficit	3242	2799	1936	-117	1383	1150	1125	4259	3279	322	3316	4786	4440	4317
26 1954 Federal Report Surplus Deficit	3112	3464	2781	187	2139	2309	3047	4380	4506	548	3711	4825	4041	4640
27 1955 Federal Report Surplus Deficit	3643	4083	3609	328	2852	2274	1624	2106	959	375	3054	4715	4357	4636
28 1956 Federal Report Surplus Deficit	3458	3756	2584	578	3114	3253	3845	4668	4815	582	4240	4869	4266	4267
29 1957 Federal Report Surplus Deficit	3461	3924	2798	472	1760	2437	2587	1639	4328	561	3652	4863	4256	4100
30 1958 Federal Report Surplus Deficit	3109	2957	2414	-44.5	1590	1714	2828	3296	3874	391	3843	4854	4076	3996
31 1959 Federal Report Surplus Deficit	3162	2838	2372	179	2746	3078	3735	4219	4576	403	3671	4592	4102	4384
32 1960 Federal Report Surplus Deficit	3604	4034	3548	3545	3307	2901	2885	3018	4079	572	3953	4683	3946	4096
33 1961 Federal Report Surplus Deficit	3480	2784	2475	154	1989	1995	2776	3581	4724	448	3486	4766	4092	3941
34 1962 Federal Report Surplus Deficit	3046	3011	2244	-275	1612	1947	2694	2975	1979	473	4246	4789	3737	4092
35 1963 Federal Report Surplus Deficit	3259	3223	2375	865	2846	2930	3100	3337	3058	488	3242	4766	3648	4090
36 1964 Federal Report Surplus Deficit	3219	2929	2919	-162	1573	1968	1904	1746	2316	412	3175	4769	4359	4495
37 1965 Federal Report Surplus Deficit	3500	3854	3210	1155	2594	3303	4025	4708	4627	537	4110	4778	3709	4167
38 1966 Federal Report Surplus Deficit	3476	3787	2314	484	1985	2110	2446	2596	2547	453	3530	4484	3550	4164
39 1967 Federal Report Surplus Deficit	3463	2916	2461	-223	1264	2448	3596	4081	4376	400	1311	4634	4110	4293
40 1968 Federal Report Surplus Deficit	3499	3640	2804	232	2365	2116	2931	3850	4255	303	2729	4406	3768	4160
41 1969 Federal Report Surplus Deficit	3506	3495	3256	1261	3164	2703	3840	4340	4435	458	4114	4888	4018	4177
42 1970 Federal Report Surplus Deficit	3033	2942	2642	399	1940	1602	2835	3084	3071	481	3118	4709	4175	3613
43 1971 Federal Report Surplus Deficit	2992	2810	2210	-121	1232	2202	3885	4517	4815	571	3978	4849	4304	4370
44 1972 Federal Report Surplus Deficit	3630	4112	2965	592	1983	2369	3802	4706	4835	592	3930	4847	4160	4434
45 1973 Federal Report Surplus Deficit	3507	3999	3069	488	2069	2109	2696	2117	1811	311	2277	4433	1813	3442
46 1974 Federal Report Surplus Deficit	2682	2547	1913	-160	1396	2694	4023	4486	4696	601	4183	4832	4240	4817
47 1975 Federal Report Surplus Deficit	3502	4024	3081	-296	1341	1719	2990	3265	4196	351	3097	4796	4315	4524
48 1976 Federal Report Surplus Deficit	3410	3609	3100	1486	3272	3531	3745	4392	4644	455	3968	4876	3976	4322
49 1977 Federal Report Surplus Deficit	3729	4133	3731	566	1466	1074	1466	1224	915	456	1658	3408	251	3186
50 1978 Federal Report Surplus Deficit	2612	2423	1466	-579	1363	1998	2670	3095	3481	497	3591	4599	3360	4183
51 1979 Federal Report Surplus Deficit	3204	3105	3099	692	2013	1376	1440	2571	3476	492	3392	4798	3290	2572
52 1980 Federal Report Surplus Deficit	2457	2519	2436	35.2	1489	1049	2143	996	1709	401	3712	4865	3880	3904
53 1981 Federal Report Surplus Deficit	2240	2544	2419	-14.7	1959	2902	3485	3955	3280	318	3170	4747	4156	4142
54 1982 Federal Report Surplus Deficit	3616	4064	2872	130	2377	2083	3315	4699	4759	553	3885	4763	4275	4823

Federal Report Surplus Deficit By Water Year

Operating Year 2025

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Federal Report Surplus Deficit	3615	4103	3410	1334	2432	2467	3556	4362	4829	541	3681	4736	3946	4302
56 1984 Federal Report Surplus Deficit	3479	3855	3050	317	3364	2668	3318	4044	4499	579	4048	4811	4308	4205
57 1985 Federal Report Surplus Deficit	3587	3362	3053	381	2323	2123	2346	2366	2727	487	3826	4789	3196	3506
58 1986 Federal Report Surplus Deficit	1716	2283	2188	854	2730	2260	2986	4138	4792	454	4036	4645	3815	4033
59 1987 Federal Report Surplus Deficit	3084	2632	2082	-215	2120	2208	1748	1676	3049	429	3045	4677	3193	3347
60 1988 Federal Report Surplus Deficit	2277	2290	1939	-240	1295	1036	563	-54.9	1870	453	2883	4400	2165	3936
61 1989 Federal Report Surplus Deficit	2846	2680	2279	-219	1683	1844	956	37.4	3252	542	4154	4693	3325	3681
62 1990 Federal Report Surplus Deficit	2335	2570	2232	10.5	2007	2370	2684	3835	4320	448	4056	4635	3954	4177
63 1991 Federal Report Surplus Deficit	3575	3703	2393	-253	3259	2807	3509	3812	4292	383	3474	4756	3810	4223
64 1992 Federal Report Surplus Deficit	3593	3784	2441	-219	1334	1047	1455	2134	3018	503	2269	4382	1753	3297
65 1993 Federal Report Surplus Deficit	2637	2453	1427	-249	1666	1340	249	-164	2479	496	3333	4770	3744	3828
66 1994 Federal Report Surplus Deficit	2890	2942	2567	-37.6	1838	1467	729	700	2146	426	2883	4373	3003	3663
67 1995 Federal Report Surplus Deficit	2707	2487	2096	-163	1007	1538	2013	2613	3392	482	3308	4728	3977	4159
68 1996 Federal Report Surplus Deficit	2785	2950	2901	1278	3328	3655	4002	4700	4755	524	4288	4843	3941	4278
69 1997 Federal Report Surplus Deficit	3577	3782	2818	97.5	2188	2722	4060	4520	4850	392	4242	4776	4185	4372
70 1998 Federal Report Surplus Deficit	3599	4101	3381	3136	3129	2137	2238	3266	3039	396	3691	4785	4239	4172
71 1999 Federal Report Surplus Deficit	3637	3380	2481	-115	1077	2615	3777	4523	4837	425	3981	4802	4239	4514
72 2000 Federal Report Surplus Deficit	3749	4176	3072	119	3339	2968	2953	3256	4111	507	4109	4812	3094	4138
73 2001 Federal Report Surplus Deficit	3489	2572	2011	13.7	1311	1237	1202	1020	1349	297	1841	4064	410	3175
74 2002 Federal Report Surplus Deficit	2644	2597	1543	-666	1364	1609	982	1018	2382	477	3888	4682	4066	4268
75 2003 Federal Report Surplus Deficit	3112	3342	2422	52.3	1697	1347	800	783	3765	464	3497	4602	4037	3573
76 2004 Federal Report Surplus Deficit	2268	2464	1776	-138	2352	2154	1496	520	2491	465	3223	4631	3294	3928
77 2005 Federal Report Surplus Deficit	2037	2755	2705	561	2026	2298	2179	2929	2086	255	2870	4527	3467	3847
78 2006 Federal Report Surplus Deficit	3063	2834	2312	-274	2209	2066	3286	3676	4034	492	4193	4779	4054	4199
79 2007 Federal Report Surplus Deficit	2743	2637	1944	-408	2225	2110	2944	2670	4552	518	3414	4766	3487	4224
80 2008 Federal Report Surplus Deficit	2715	2481	1739	-89.2	2181	1504	1644	1476	2685	459	1487	4750	4391	4271
Ranked Averages														
81 Bottom 10 pct	2088	2446	2121	84.6	1619	1898	2403	2590	3189	425	3434	4636	3372	4067
82 Middle 80 pct	3113	3111	2474	229	1977	2060	2368	2671	3422	457	3339	4666	3576	3925
83 Top 10 pct	3653	4011	3211	812	2354	2344	2922	3487	3665	503	3531	4596	3533	4266

Federal Report Surplus Deficit By Water Year

Operating Year 2026

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	3133	3619	2500	-187	1320	658	1004	840	1291	678	2572	3629	3972	1078
2 1930 Federal Report Surplus Deficit	2701	2785	2451	50.8	1532	726	290	994	1315	1447	2853	3203	2672	2992
3 1931 Federal Report Surplus Deficit	2901	2767	2048	-61.1	1736	770	-165	30.5	2252	1336	-416	4023	2279	3277
4 1932 Federal Report Surplus Deficit	3066	2873	2317	-482	888	736	227	-586	3228	3974	3953	4733	4740	3852
5 1933 Federal Report Surplus Deficit	3251	3538	2851	-84.7	1087	1979	3076	3399	3859	2449	3350	4622	5056	4370
6 1934 Federal Report Surplus Deficit	3532	4094	2853	822	3291	3162	3882	4285	4455	3803	3960	4554	4158	3294
7 1935 Federal Report Surplus Deficit	2060	2525	1739	-130	512	1038	3031	2932	3944	1125	3441	4493	4172	3976
8 1936 Federal Report Surplus Deficit	3597	3011	2328	-175	1283	689	13.4	795	1789	1555	3856	4744	4633	3284
9 1937 Federal Report Surplus Deficit	2524	2701	2153	-35.3	1683	710	73.7	203	1207	979	271	4214	3562	2271
10 1938 Federal Report Surplus Deficit	2639	2576	2362	-121	1290	1175	2819	2900	4246	3824	4192	4707	4530	3904
11 1939 Federal Report Surplus Deficit	2034	2573	2646	-58.3	1028	624	2086	1586	2501	2655	3816	4617	3341	3211
12 1940 Federal Report Surplus Deficit	2375	2461	2046	25.0	1991	1641	1417	1609	4342	2757	3497	4574	3704	2848
13 1941 Federal Report Surplus Deficit	2317	2356	2088	-308	1684	1209	809	783	1624	550	2152	4127	3459	3009
14 1942 Federal Report Surplus Deficit	2838	2777	2451	-492	2198	2247	2563	2146	2322	1500	3386	4329	4162	4018
15 1943 Federal Report Surplus Deficit	3222	3461	2872	41.4	528	1335	3203	3321	4289	4095	4227	4614	5047	4238
16 1944 Federal Report Surplus Deficit	3325	3279	2471	-176	1350	625	1270	927	1020	580	2284	2819	2010	2083
17 1945 Federal Report Surplus Deficit	2550	2630	2006	-230	1503	675	206	512	1426	801	-83.3	4690	4508	1864
18 1946 Federal Report Surplus Deficit	2332	2775	2385	-223	1404	1540	2525	2652	3963	3901	4184	4714	4512	4048
19 1947 Federal Report Surplus Deficit	3558	3945	2852	-290	2134	2841	3675	3826	4463	3392	3678	4715	4473	4015
20 1948 Federal Report Surplus Deficit	3161	3094	2787	2874	3154	2278	3543	3304	4111	2959	3887	4807	4953	4130
21 1949 Federal Report Surplus Deficit	3532	4158	3137	216	1813	1412	2362	1887	4631	3410	4020	4776	4547	2219
22 1950 Federal Report Surplus Deficit	1959	2366	1654	-294	1014	1608	3432	4301	4600	4087	3913	4716	5006	4631
23 1951 Federal Report Surplus Deficit	3533	4173	3041	1091	3276	2908	3898	4618	4638	4078	3940	4673	4514	4179
24 1952 Federal Report Surplus Deficit	3629	3290	2799	2238	2732	2297	3311	3664	4376	4084	4315	4809	4614	3961
25 1953 Federal Report Surplus Deficit	3281	2909	1961	-161	1372	724	1093	4129	3361	1630	3286	4695	5084	4264
26 1954 Federal Report Surplus Deficit	3131	3607	2847	137	2130	1901	3066	4259	4463	3111	3671	4726	4773	4545
27 1955 Federal Report Surplus Deficit	3637	4201	3702	277	2847	1868	1619	1951	924	1337	3025	4609	5069	4540
28 1956 Federal Report Surplus Deficit	3496	3897	2640	525	3109	2858	3831	4575	4724	4069	4172	4781	4975	4213
29 1957 Federal Report Surplus Deficit	3512	4059	2865	420	1749	2032	2608	1495	4332	4008	3615	4822	4951	3742
30 1958 Federal Report Surplus Deficit	3129	3077	2462	-90.0	1579	1295	2849	3139	3905	2574	3798	4766	4809	3564
31 1959 Federal Report Surplus Deficit	3189	2952	2421	129	2740	2683	3728	4101	4498	3734	3633	4500	4817	4324
32 1960 Federal Report Surplus Deficit	3641	4163	3626	3488	3300	2505	2903	2861	4106	4059	3905	4557	4679	3918
33 1961 Federal Report Surplus Deficit	3528	2891	2527	104	1979	1581	2796	3428	4637	3170	3453	4666	4822	3526
34 1962 Federal Report Surplus Deficit	3063	3134	2291	-316	1601	1532	2714	2818	2043	3960	4185	4697	4476	3722
35 1963 Federal Report Surplus Deficit	3299	3358	2419	811	2840	2533	3113	3182	3142	1575	3212	4673	4391	3869
36 1964 Federal Report Surplus Deficit	3256	3056	2994	-205	1562	1554	1909	1598	2396	3457	3146	4679	5017	4429
37 1965 Federal Report Surplus Deficit	3540	3987	3300	1101	2587	2909	3993	4632	4532	2868	4051	4681	4443	3968
38 1966 Federal Report Surplus Deficit	3524	3925	2366	432	1975	1701	2464	2437	2632	3939	3495	4262	4298	3966
39 1967 Federal Report Surplus Deficit	3512	3034	2515	-268	1252	2043	3598	3954	4334	2492	1271	4543	4784	4238
40 1968 Federal Report Surplus Deficit	3548	3784	2876	181	2357	1707	2951	3707	4233	1320	2700	4151	4499	4029
41 1969 Federal Report Surplus Deficit	3557	3639	3355	1208	3160	2303	3825	4239	4375	3945	4051	4807	4743	3995
42 1970 Federal Report Surplus Deficit	3050	3060	2699	348	1931	1181	2855	2927	3155	1931	3088	4619	4921	3019
43 1971 Federal Report Surplus Deficit	3005	2920	2252	-167	1220	1792	3870	4441	4720	4058	3919	4755	4967	4318
44 1972 Federal Report Surplus Deficit	3672	4233	3040	539	1973	1962	3794	4630	4767	4078	3879	4746	4862	4375
45 1973 Federal Report Surplus Deficit	3529	4118	3151	436	2060	1696	2716	1961	1866	481	2247	4188	2936	2806
46 1974 Federal Report Surplus Deficit	2678	2646	1954	-206	1385	2293	3988	4411	4628	4087	4127	4735	4949	4731
47 1975 Federal Report Surplus Deficit	3534	4142	3160	-336	1329	1299	3010	3110	4214	1665	3067	4700	5029	4433
48 1976 Federal Report Surplus Deficit	3458	3753	3184	1433	3266	3132	3739	4287	4548	3942	3916	4803	4701	4274
49 1977 Federal Report Surplus Deficit	3707	4252	3779	514	1454	649	1464	1088	880	442	1622	2585	1826	2493
50 1978 Federal Report Surplus Deficit	2610	2511	1483	-613	1351	1584	2691	2938	3549	3983	3551	4501	4117	4020
51 1979 Federal Report Surplus Deficit	3237	3238	3193	639	2004	951	1430	2413	3553	1624	3361	4709	4083	1764
52 1980 Federal Report Surplus Deficit	2440	2603	2485	-12.9	1477	618	2154	873	1755	2448	3667	4771	4595	3419
53 1981 Federal Report Surplus Deficit	2218	2642	2476	-61.9	1949	2504	3482	3821	3356	653	3140	4657	4865	4083
54 1982 Federal Report Surplus Deficit	3656	4191	2944	81.6	2369	1671	3329	4624	4663	4040	3837	4662	5001	4696

Federal Report Surplus Deficit By Water Year

Operating Year 2026

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Federal Report Surplus Deficit	3655	4224	3507	1281	2424	2061	3562	4236	4733	3612	3643	4643	4671	4245
56 1984 Federal Report Surplus Deficit	3527	3989	3131	266	3358	2266	3333	3905	4478	4066	3989	4716	5048	4123
57 1985 Federal Report Surplus Deficit	3638	3500	3134	331	2315	1712	2363	2208	2816	3232	3780	4701	4015	2884
58 1986 Federal Report Surplus Deficit	1667	2347	2225	800	2724	1852	3006	3999	4697	3941	3974	4551	4549	3622
59 1987 Federal Report Surplus Deficit	3101	2724	2122	-257	2111	1798	1748	1530	3134	944	3016	4570	3973	2693
60 1988 Federal Report Surplus Deficit	2254	2356	1968	-285	1283	605	502	-121	1928	909	2854	4125	3253	3471
61 1989 Federal Report Surplus Deficit	2852	2781	2321	-262	1672	1428	918	-35.6	3336	2784	4094	4603	4114	3108
62 1990 Federal Report Surplus Deficit	2316	2657	2270	-36.8	1998	1965	2704	3698	4297	2530	3999	4530	4691	3934
63 1991 Federal Report Surplus Deficit	3626	3846	2440	-295	3253	2409	3513	3672	4263	3401	3439	4666	4539	4176
64 1992 Federal Report Surplus Deficit	3629	3926	2491	-262	1322	617	1449	1978	3102	488	2238	4114	2879	2632
65 1993 Federal Report Surplus Deficit	2632	2547	1445	-295	1656	915	169	-225	2559	1752	3303	4682	4486	3308
66 1994 Federal Report Surplus Deficit	2895	3057	2616	-84.0	1828	1046	679	588	2220	790	2854	4146	3819	3090
67 1995 Federal Report Surplus Deficit	2703	2579	2145	-210	995	1116	2021	2591	3343	3362	3278	4638	4713	3855
68 1996 Federal Report Surplus Deficit	2785	3067	2971	1224	3321	3242	3972	4625	4660	4011	4219	4740	4671	4225
69 1997 Federal Report Surplus Deficit	3623	3924	2885	49.2	2180	2321	4028	4445	4754	3878	4182	4681	4917	4309
70 1998 Federal Report Surplus Deficit	3644	4222	3478	3089	3124	1725	2251	3111	3125	2287	3656	4711	4908	3915
71 1999 Federal Report Surplus Deficit	3688	3517	2530	-159	1064	2213	3748	4443	4742	3351	3930	4714	4968	4457
72 2000 Federal Report Surplus Deficit	3739	4296	3155	70.7	3332	2571	2973	3100	4134	3994	4052	4718	3948	3851
73 2001 Federal Report Surplus Deficit	3536	2656	2040	-33.1	1299	812	1188	893	1368	520	1807	3589	1985	2465
74 2002 Federal Report Surplus Deficit	2639	2693	1560	-700	1353	1188	947	891	2464	2356	3836	4580	4791	4188
75 2003 Federal Report Surplus Deficit	3126	3478	2467	2.95	1687	922	754	668	3820	2363	3463	4501	4763	2952
76 2004 Federal Report Surplus Deficit	2238	2534	1799	-185	2345	1743	1486	419	2577	1871	3193	4515	4066	3434
77 2005 Federal Report Surplus Deficit	2001	2865	2778	508	2016	1890	2196	2771	2160	909	2841	4436	4230	3309
78 2006 Federal Report Surplus Deficit	3073	2935	2350	-317	2201	1654	3299	3526	4044	3979	4134	4685	4780	3859
79 2007 Federal Report Surplus Deficit	2737	2724	1969	-445	2217	1698	2963	2511	4508	3762	3382	4676	4248	3977
80 2008 Federal Report Surplus Deficit	2709	2556	1760	-137	2173	1082	1640	1334	2772	2010	1449	4653	5079	4087

Ranked Averages

81 Bottom 10 pct	2054	2526	2161	36.8	1609	1483	2403	2463	3220	2019	3396	4514	4185	3717
82 Middle 80 pct	3134	3227	2531	138	1964	1650	2348	2530	3395	2653	3285	4522	4373	3602
83 Top 10 pct	3675	4137	3257	1113	2380	1920	3003	3512	3894	3233	3566	4417	4358	3994

Federal Report Surplus Deficit By Water Year

Operating Year 2027

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	3008	3512	2433	-155	1428	878	970	881	1273	295	2618	4138	3040	1879
2 1930 Federal Report Surplus Deficit	2602	2722	2386	87.9	1639	947	292	1030	1298	362	2899	3864	1365	3502
3 1931 Federal Report Surplus Deficit	2790	2697	1983	-23.7	1842	987	-132	24.9	2167	297	-340	4371	816	3708
4 1932 Federal Report Surplus Deficit	2944	2801	2253	-452	996	955	241	-637	3134	411	4026	4871	3936	4070
5 1933 Federal Report Surplus Deficit	3122	3434	2766	-50.1	1195	2178	2997	3360	3920	301	3398	4759	4317	4337
6 1934 Federal Report Surplus Deficit	3389	3997	2767	864	3394	3357	3847	4277	4543	239	4036	4690	3327	3696
7 1935 Federal Report Surplus Deficit	1992	2471	1688	-93.2	623	1254	2951	3005	3916	261	3491	4652	3310	4098
8 1936 Federal Report Surplus Deficit	3443	2935	2273	-142	1391	908	46.2	832	1731	293	3923	4886	3818	3699
9 1937 Federal Report Surplus Deficit	2435	2646	2101	0.23	1789	928	85.6	211	1203	434	341	4506	2482	2920
10 1938 Federal Report Surplus Deficit	2539	2524	2298	-86.6	1398	1389	2737	2973	4224	491	4270	4848	3704	4085
11 1939 Federal Report Surplus Deficit	1970	2534	2571	-23.2	1137	847	2014	1650	2416	438	3875	4765	2289	3665
12 1940 Federal Report Surplus Deficit	2284	2411	1987	62.9	2096	1845	1362	1671	4343	362	3550	4734	2743	3387
13 1941 Federal Report Surplus Deficit	2240	2326	2026	-275	1790	1422	790	821	1576	219	2199	4369	2450	3494
14 1942 Federal Report Surplus Deficit	2725	2707	2372	-462	2302	2441	2482	2220	2235	376	3436	4495	3329	4022
15 1943 Federal Report Surplus Deficit	3086	3356	2778	78.6	639	1546	3125	3392	4284	531	4303	4750	4282	4205
16 1944 Federal Report Surplus Deficit	3186	3182	2407	-145	1458	846	1221	971	1032	234	2331	3607	434	2759
17 1945 Federal Report Surplus Deficit	2452	2568	1945	-198	1609	893	226	523	1406	398	-8.70	4827	3691	2574
18 1946 Federal Report Surplus Deficit	2256	2718	2327	-193	1511	1748	2445	2727	3910	338	4266	4857	3689	4116
19 1947 Federal Report Surplus Deficit	3405	3842	2765	-261	2239	3028	3618	3877	4506	471	3734	4858	3653	4095
20 1948 Federal Report Surplus Deficit	3028	3010	2705	2909	3255	2472	3476	3371	4090	358	3957	4932	4181	4122
21 1949 Federal Report Surplus Deficit	3396	4070	3037	255	1919	1621	2281	1957	4704	470	4093	4915	3731	2866
22 1950 Federal Report Surplus Deficit	1897	2339	1625	-264	1122	1812	3361	4329	4640	523	3978	4851	4229	4636
23 1951 Federal Report Surplus Deficit	3393	4082	2946	1133	3377	3095	3868	4609	4726	515	4012	4820	3691	4151
24 1952 Federal Report Surplus Deficit	3476	3196	2716	2275	2834	2490	3237	3728	4383	521	4392	4933	3798	4100
25 1953 Federal Report Surplus Deficit	3139	2836	1918	-129	1479	943	1063	4175	3272	245	3333	4829	4355	4231
26 1954 Federal Report Surplus Deficit	3009	3501	2763	175	2235	2102	2985	4296	4498	471	3728	4869	3956	4555
27 1955 Federal Report Surplus Deficit	3540	4120	3590	317	2948	2067	1562	2022	952	298	3071	4759	4272	4550
28 1956 Federal Report Surplus Deficit	3355	3792	2565	566	3210	3046	3783	4584	4812	506	4256	4913	4181	4181
29 1957 Federal Report Surplus Deficit	3358	3961	2780	460	1856	2230	2526	1555	4321	484	3669	4907	4172	4015
30 1958 Federal Report Surplus Deficit	3006	2993	2395	-56.1	1686	1507	2766	3212	3866	315	3859	4898	3991	3911
31 1959 Federal Report Surplus Deficit	3059	2875	2354	167	2842	2871	3673	4135	4569	326	3688	4636	4017	4298
32 1960 Federal Report Surplus Deficit	3501	4071	3529	3534	3403	2694	2823	2934	4071	495	3969	4727	3861	4011
33 1961 Federal Report Surplus Deficit	3378	2821	2457	142	2085	1788	2714	3497	4716	371	3503	4810	4007	3855
34 1962 Federal Report Surplus Deficit	2944	3047	2225	-286	1708	1740	2632	2892	1971	396	4262	4833	3652	4006
35 1963 Federal Report Surplus Deficit	3156	3259	2357	853	2941	2722	3038	3254	3050	411	3259	4810	3563	4005
36 1964 Federal Report Surplus Deficit	3117	2966	2901	-173	1669	1761	1842	1662	2309	335	3192	4813	4274	4410
37 1965 Federal Report Surplus Deficit	3398	3890	3191	1144	2690	3096	3963	4624	4619	460	4127	4822	3624	4081
38 1966 Federal Report Surplus Deficit	3374	3824	2295	473	2081	1903	2384	2513	2539	376	3547	4528	3465	4079
39 1967 Federal Report Surplus Deficit	3360	2953	2443	-235	1360	2241	3534	3997	4368	323	1327	4678	4025	4208
40 1968 Federal Report Surplus Deficit	3396	3677	2785	221	2461	1909	2869	3766	4248	226	2746	4450	3683	4075
41 1969 Federal Report Surplus Deficit	3403	3532	3237	1249	3260	2496	3778	4256	4427	382	4131	4932	3933	4091
42 1970 Federal Report Surplus Deficit	2931	2979	2624	387	2036	1395	2773	3000	3063	404	3135	4753	4090	3527
43 1971 Federal Report Surplus Deficit	2889	2847	2192	-133	1328	1995	3823	4433	4808	494	3995	4893	4219	4284
44 1972 Federal Report Surplus Deficit	3527	4149	2947	580	2079	2162	3740	4622	4839	515	3946	4891	4075	4349
45 1973 Federal Report Surplus Deficit	3404	4036	3050	476	2165	1902	2635	2033	1803	234	2294	4477	1728	3357
46 1974 Federal Report Surplus Deficit	2580	2584	1894	-172	1492	2487	3961	4403	4700	524	4200	4876	4155	4732
47 1975 Federal Report Surplus Deficit	3399	4061	3063	-307	1437	1512	2929	3181	4189	274	3113	4840	4230	4438
48 1976 Federal Report Surplus Deficit	3308	3646	3082	1474	3368	3324	3684	4308	4636	378	3985	4920	3891	4237
49 1977 Federal Report Surplus Deficit	3626	4170	3712	555	1562	867	1404	1140	908	379	1675	3452	166	3101
50 1978 Federal Report Surplus Deficit	2509	2460	1447	-590	1459	1791	2609	3011	3473	420	3608	4642	3275	4097
51 1979 Federal Report Surplus Deficit	3101	3142	3081	681	2109	1168	1378	2487	3469	416	3409	4842	3206	2487
52 1980 Federal Report Surplus Deficit	2355	2556	2418	23.5	1584	841	2081	912	1701	324	3729	4909	3795	3818
53 1981 Federal Report Surplus Deficit	2138	2581	2401	-26.4	2055	2695	3423	3871	3272	241	3187	4791	4071	4056
54 1982 Federal Report Surplus Deficit	3513	4101	2854	118	2473	1876	3253	4615	4751	476	3902	4807	4190	4738

Federal Report Surplus Deficit By Water Year

Operating Year 2027

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Federal Report Surplus Deficit	3512	4139	3392	1323	2528	2260	3494	4278	4821	465	3698	4780	3861	4216
56 1984 Federal Report Surplus Deficit	3376	3892	3032	306	3460	2461	3257	3960	4492	502	4064	4855	4223	4119
57 1985 Federal Report Surplus Deficit	3484	3399	3035	370	2419	1916	2284	2282	2720	411	3843	4833	3111	3420
58 1986 Federal Report Surplus Deficit	1613	2320	2170	842	2826	2053	2924	4054	4785	377	4053	4689	3730	3948
59 1987 Federal Report Surplus Deficit	2981	2668	2063	-226	2216	2000	1686	1592	3042	353	3062	4721	3109	3262
60 1988 Federal Report Surplus Deficit	2175	2327	1921	-251	1391	829	502	-139	1862	376	2899	4444	2080	3850
61 1989 Federal Report Surplus Deficit	2743	2716	2261	-231	1779	1637	894	-46.6	3245	465	4170	4737	3240	3595
62 1990 Federal Report Surplus Deficit	2232	2607	2214	-1.18	2103	2163	2622	3751	4312	371	4072	4679	3869	4092
63 1991 Federal Report Surplus Deficit	3472	3740	2374	-264	3354	2600	3447	3728	4285	306	3490	4800	3725	4138
64 1992 Federal Report Surplus Deficit	3490	3821	2423	-230	1430	840	1393	2050	3010	426	2285	4426	1668	3212
65 1993 Federal Report Surplus Deficit	2535	2490	1409	-261	1762	1132	188	-248	2471	419	3350	4814	3659	3742
66 1994 Federal Report Surplus Deficit	2787	2978	2548	-49.2	1934	1260	667	616	2138	349	2900	4417	2918	3578
67 1995 Federal Report Surplus Deficit	2605	2524	2078	-174	1103	1331	1951	2530	3385	405	3325	4772	3892	4074
68 1996 Federal Report Surplus Deficit	2682	2986	2883	1266	3424	3447	3940	4617	4748	447	4305	4887	3856	4192
69 1997 Federal Report Surplus Deficit	3475	3819	2799	85.8	2284	2515	3998	4436	4842	315	4259	4820	4100	4287
70 1998 Federal Report Surplus Deficit	3497	4138	3363	3124	3225	1930	2176	3182	3031	319	3708	4829	4154	4087
71 1999 Federal Report Surplus Deficit	3534	3417	2463	-127	1173	2408	3715	4439	4829	348	3997	4846	4154	4429
72 2000 Federal Report Surplus Deficit	3646	4213	3054	108	3435	2761	2891	3173	4103	430	4126	4856	3009	4052
73 2001 Federal Report Surplus Deficit	3387	2609	1993	2.03	1407	1030	1140	936	1341	220	1858	4108	325	3090
74 2002 Federal Report Surplus Deficit	2541	2634	1524	-678	1460	1402	921	934	2375	400	3905	4726	3981	4182
75 2003 Federal Report Surplus Deficit	3010	3379	2403	40.6	1793	1140	739	699	3758	387	3513	4646	3952	3488
76 2004 Federal Report Surplus Deficit	2166	2501	1758	-150	2448	1947	1434	436	2483	388	3240	4675	3209	3842
77 2005 Federal Report Surplus Deficit	1934	2791	2687	550	2122	2091	2118	2845	2078	178	2887	4571	3382	3761
78 2006 Federal Report Surplus Deficit	2961	2871	2293	-285	2305	1858	3224	3592	4026	416	4210	4823	3969	4114
79 2007 Federal Report Surplus Deficit	2641	2674	1926	-419	2321	1903	2882	2586	4544	442	3431	4810	3402	4138
80 2008 Federal Report Surplus Deficit	2612	2518	1721	-101	2277	1297	1582	1392	2677	382	1504	4794	4306	4185
Ranked Averages														
81 Bottom 10 pct	1986	2483	2103	73.0	1715	1691	2341	2506	3182	348	3451	4680	3287	3982
82 Middle 80 pct	3010	3147	2455	217	2073	1853	2307	2587	3415	380	3356	4709	3491	3840
83 Top 10 pct	3550	4047	3193	801	2450	2137	2860	3403	3659	426	3548	4640	3448	4181

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Exhibit 25
Regional Report Surplus Deficit By Water Year
80 Water Year Regional Surplus/Deficit

Monthly 1-Hour Capacity
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional Report Surplus Deficit By Water Year

Operating Year 2018

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	5857	5805	7636	5838	6257	3464	2615	4108	7429	5970	7527	10011	8931	4059
2 1930 Regional Report Surplus Deficit	5229	4738	7230	5788	6349	3382	1605	4455	7590	7162	8148	8916	5622	6495
3 1931 Regional Report Surplus Deficit	5690	4485	6696	5706	6543	3474	1841	2441	7078	6958	3843	10902	5153	6340
4 1932 Regional Report Surplus Deficit	4817	3591	6955	5375	5498	3449	913	2318	9368	11090	9741	11731	10856	7473
5 1933 Regional Report Surplus Deficit	5950	6425	7734	5723	5310	5547	6157	7865	9667	8949	8525	11065	11193	8205
6 1934 Regional Report Surplus Deficit	7263	7364	7868	7338	9923	7962	7285	9267	10422	11136	9321	11077	9354	6579
7 1935 Regional Report Surplus Deficit	5211	4449	6609	5343	4887	3461	5944	7207	9631	7421	8785	11194	9895	7681
8 1936 Regional Report Surplus Deficit	6984	5597	7534	5798	6000	3047	1425	3572	8055	7801	9647	12024	10838	6799
9 1937 Regional Report Surplus Deficit	5735	5066	7364	5729	6571	3374	1172	2433	7023	6220	5863	10848	8446	4393
10 1938 Regional Report Surplus Deficit	5975	5225	7338	5719	6061	4386	5742	7552	10212	10878	10116	11629	10506	7621
11 1939 Regional Report Surplus Deficit	5491	4856	7527	5711	5888	3435	4482	5149	8750	9149	9229	11809	7949	6598
12 1940 Regional Report Surplus Deficit	5758	4871	7197	5749	6862	4172	4700	4270	10416	9449	8693	11643	7713	6215
13 1941 Regional Report Surplus Deficit	4280	3635	6857	5342	6244	4483	2787	4350	7901	5437	6610	10236	7291	5504
14 1942 Regional Report Surplus Deficit	4736	4343	7363	5337	7462	5651	5729	6527	9398	6883	8470	10981	10019	7651
15 1943 Regional Report Surplus Deficit	6435	6092	8080	5787	5006	4114	6410	8017	10190	11858	10286	11585	11298	8199
16 1944 Regional Report Surplus Deficit	6450	5807	7860	5704	6368	3576	2744	4306	7646	6009	6704	8410	4451	3921
17 1945 Regional Report Surplus Deficit	3883	2859	6264	5122	6006	3357	2037	3750	7544	6402	2635	11037	9937	4761
18 1946 Regional Report Surplus Deficit	5753	4382	7576	5570	6706	4785	5220	6608	10056	11133	10085	11649	10479	7993
19 1947 Regional Report Surplus Deficit	7184	7168	8037	5681	6568	7825	7059	9010	10365	10357	9190	11659	10504	7748
20 1948 Regional Report Surplus Deficit	6936	6808	7696	10178	9237	6728	6851	8133	9996	9687	9720	11787	10726	8120
21 1949 Regional Report Surplus Deficit	7276	7772	8293	6526	5966	5031	4983	6641	10382	10520	9981	11879	10560	5768
22 1950 Regional Report Surplus Deficit	4257	4161	7570	5447	5972	4251	6764	9154	10630	11431	9595	11230	11338	8662
23 1951 Regional Report Surplus Deficit	7247	7305	8125	7928	9962	8027	7312	9845	10658	11610	9716	11420	10501	7962
24 1952 Regional Report Surplus Deficit	7195	6624	7978	9454	7934	6768	6415	8574	10337	11592	10296	11919	10861	7797
25 1953 Regional Report Surplus Deficit	6661	6662	7684	5719	5648	3283	4127	8228	9618	7970	8531	11664	11323	8350
26 1954 Regional Report Surplus Deficit	6761	6516	7970	6423	6502	6041	6767	9013	10271	10156	9320	11516	10913	8378
27 1955 Regional Report Surplus Deficit	7661	8028	10546	6606	8121	5904	4382	5427	7294	7518	7847	10994	11336	8510
28 1956 Regional Report Surplus Deficit	7292	7144	7851	7001	9031	7821	7255	9379	10366	11173	9793	11626	11257	8281
29 1957 Regional Report Surplus Deficit	7324	7619	8071	6912	6040	6267	5442	6266	10116	11440	9041	12192	11207	7488
30 1958 Regional Report Surplus Deficit	6794	5505	7565	5585	6239	3933	5883	7745	9853	9363	9745	11796	11075	7311
31 1959 Regional Report Surplus Deficit	6646	5401	7437	6002	7777	7462	7241	9196	10327	10986	9051	11384	10882	8117
32 1960 Regional Report Surplus Deficit	7330	7275	10677	11129	10007	7120	5907	7476	10221	11815	9568	11418	10724	7509
33 1961 Regional Report Surplus Deficit	6728	5681	7481	6211	6269	5357	5761	8793	10456	10209	8585	11329	10598	7138
34 1962 Regional Report Surplus Deficit	6665	5444	7352	5206	6254	4733	5636	7288	8578	11557	9899	11575	10264	7336
35 1963 Regional Report Surplus Deficit	6523	6325	7780	7413	8157	7168	6121	7990	9506	7811	8411	11982	10337	7493
36 1964 Regional Report Surplus Deficit	6444	5521	8014	5622	5747	5343	4463	5804	8778	10627	8233	11271	11240	8397
37 1965 Regional Report Surplus Deficit	7283	7507	8674	7716	7449	7846	7158	9576	10371	9726	10003	11415	10479	7742
38 1966 Regional Report Surplus Deficit	7282	7559	7713	6868	6281	5725	5274	6719	9096	11487	8995	10941	9974	7518
39 1967 Regional Report Surplus Deficit	6531	5744	7552	5587	5809	5936	6971	9009	10276	9328	5664	11248	10956	8133
40 1968 Regional Report Surplus Deficit	7068	7043	7816	6532	6947	5754	6591	8579	10318	7187	7390	10804	10561	7695
41 1969 Regional Report Surplus Deficit	7047	7507	9188	8024	9316	6761	7069	9059	10189	11484	9801	11823	10948	7789
42 1970 Regional Report Surplus Deficit	6924	6358	7685	6531	6691	4426	6086	7520	9449	8258	8062	11645	11095	6779
43 1971 Regional Report Surplus Deficit	6338	5330	7518	5632	6169	5068	7222	9397	10711	11269	9572	11673	11394	8556
44 1972 Regional Report Surplus Deficit	7559	8090	8319	7135	6431	6172	7216	9601	10789	11737	9434	11684	10871	8264
45 1973 Regional Report Surplus Deficit	7433	7932	8536	6938	6576	5698	5735	5591	8461	5901	6784	10374	6375	5780
46 1974 Regional Report Surplus Deficit	5209	4199	7217	5695	5839	6530	7400	9452	10437	11381	9770	11031	11089	8726
47 1975 Regional Report Surplus Deficit	7434	7955	8265	5576	6416	4326	6087	7833	10239	7959	7971	11430	11234	8675
48 1976 Regional Report Surplus Deficit	7289	7721	8479	8382	9774	8210	7382	9288	10385	11419	9555	11716	10919	8202
49 1977 Regional Report Surplus Deficit	7896	8088	10936	7007	6537	3478	2940	4428	7575	5379	5990	8176	3744	3996
50 1978 Regional Report Surplus Deficit	3734	2977	6589	4317	5941	4988	5525	7179	9767	11146	9282	11670	9746	7794
51 1979 Regional Report Surplus Deficit	6122	5488	8984	7083	6582	3987	4364	4697	9962	7293	8357	11883	9580	4451
52 1980 Regional Report Surplus Deficit	4234	4460	7364	5681	6163	3163	4347	5025	8327	9233	9471	12123	10650	7256
53 1981 Regional Report Surplus Deficit	4827	4232	7435	5727	6241	7115	6919	8935	9621	5838	8233	11523	10963	7750
54 1982 Regional Report Surplus Deficit	7217	7324	7834	6275	6956	5603	6558	9653	10675	11416	9269	11232	11314	8725

Regional Report Surplus Deficit By Water Year

Operating Year 2018

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Regional Report Surplus Deficit	7390	7921	9294	8198	7188	6358	7014	9375	10831	10880	8970	11376	10908	8254
56 1984 Regional Report Surplus Deficit	7394	7887	8401	6669	10224	6731	6687	8985	10621	11680	9665	11582	11338	8097
57 1985 Regional Report Surplus Deficit	7409	6477	8423	6791	7091	5741	5145	6248	8880	10439	9365	11631	9446	6297
58 1986 Regional Report Surplus Deficit	3871	3901	7702	5491	9377	5806	6340	9040	10839	11358	9703	11479	10299	7349
59 1987 Regional Report Surplus Deficit	6153	5101	7522	5351	6620	5882	4758	5587	9139	6806	7890	11370	9079	5836
60 1988 Regional Report Surplus Deficit	4730	3785	7035	5451	5897	3078	2407	2742	7881	6612	7816	10864	7111	6870
61 1989 Regional Report Surplus Deficit	5797	5063	7134	5362	6625	4396	2914	4170	9491	9593	9644	11572	9677	6142
62 1990 Regional Report Surplus Deficit	5207	4550	7339	5835	6714	5855	6201	8079	10086	9263	9867	11329	10833	7592
63 1991 Regional Report Surplus Deficit	7068	6814	7709	5433	9715	6759	6734	8625	9970	9865	8425	11296	10467	7812
64 1992 Regional Report Surplus Deficit	7225	7231	7565	5923	6223	3082	3797	4975	9316	5913	5906	10016	5703	4299
65 1993 Regional Report Surplus Deficit	3851	3409	6476	4940	6202	3632	1982	2533	8800	7828	8501	11670	10359	6812
66 1994 Regional Report Surplus Deficit	6158	5193	7231	5723	6842	4017	1829	3471	7840	6559	7807	11374	8906	6557
67 1995 Regional Report Surplus Deficit	5304	3872	6890	5618	5428	3877	4578	7404	10430	8190	7968	11848	10899	7562
68 1996 Regional Report Surplus Deficit	6117	5509	7812	7468	10072	8092	7399	9916	10783	11714	10363	11673	10793	8086
69 1997 Regional Report Surplus Deficit	7279	7407	8042	6171	6583	6804	7338	9422	10788	11387	10030	11425	10769	8294
70 1998 Regional Report Surplus Deficit	7462	8092	9397	10494	9095	5779	5596	7314	9723	8859	8936	11723	11187	7856
71 1999 Regional Report Surplus Deficit	7386	6883	7720	5946	5362	6501	7228	9401	10661	10378	9676	11467	11292	8485
72 2000 Regional Report Surplus Deficit	7905	8329	8432	6315	9925	7240	6132	7742	10190	11507	9953	11622	9432	7473
73 2001 Regional Report Surplus Deficit	6927	4986	7483	5800	6073	3476	2469	4030	7723	5796	6179	9712	3877	4527
74 2002 Regional Report Surplus Deficit	3910	2928	6816	4202	5885	3906	3049	4419	8671	9085	9475	11406	10891	7930
75 2003 Regional Report Surplus Deficit	5228	5347	7312	5779	6635	3740	2676	3878	10002	8941	8666	11250	10680	6426
76 2004 Regional Report Surplus Deficit	5036	4258	7335	5447	7289	4638	4005	4599	8952	7814	8109	11374	9288	6877
77 2005 Regional Report Surplus Deficit	4047	4803	8087	6591	5989	5542	5692	5017	8197	5941	7485	11291	9754	7227
78 2006 Regional Report Surplus Deficit	5662	4445	7322	4907	6312	5408	6484	8549	9926	11527	9878	11703	11130	7550
79 2007 Regional Report Surplus Deficit	6785	4205	7654	5609	7159	4534	5786	7537	10445	10571	8632	11456	9983	7697
80 2008 Regional Report Surplus Deficit	5886	4394	7478	5807	6939	3230	3575	5220	8784	8510	5978	11407	11427	7988
Ranked Averages														
81 Bottom 10 pct	3973	3687	7109	5224	6442	4331	4467	5765	9097	9053	8268	11488	10372	7224
82 Middle 80 pct	6351	5818	7716	6298	6925	5314	5264	6995	9622	9351	8700	11299	9944	7218
83 Top 10 pct	7595	7874	9107	7108	7524	5542	5404	6773	9144	8663	8285	10954	9203	7106

Regional Report Surplus Deficit By Water Year

Operating Year 2019

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	6585	6760	7940	5791	5656	3465	2700	4219	6857	4699	6210	9172	8026	4270
2 1930 Regional Report Surplus Deficit	5044	4304	7623	5755	5642	3384	1716	4570	7019	5897	6661	8172	4199	7451
3 1931 Regional Report Surplus Deficit	5440	4244	7322	5673	5796	3460	1944	2473	6485	5706	2766	9985	3765	7314
4 1932 Regional Report Surplus Deficit	5252	4571	7293	5334	4946	3445	1032	2292	8828	9413	8056	11279	10124	8484
5 1933 Regional Report Surplus Deficit	6509	5980	8051	5679	4977	5395	6034	7416	8979	7637	7049	10223	10474	8701
6 1934 Regional Report Surplus Deficit	7133	7199	8044	7290	8822	7316	7228	8746	9594	9372	7662	10313	8573	7593
7 1935 Regional Report Surplus Deficit	4681	4003	7022	5306	4729	3465	5832	6922	8970	6089	7253	10310	9038	8555
8 1936 Regional Report Surplus Deficit	7007	5622	7781	5760	5400	3053	1541	3694	7495	6525	8026	11528	10093	7784
9 1937 Regional Report Surplus Deficit	5900	4635	7688	5691	5817	3368	1280	2484	6430	4964	4691	9935	7360	4733
10 1938 Regional Report Surplus Deficit	5607	4514	7648	5678	5481	4361	5688	7204	9503	9323	8534	11003	9735	8603
11 1939 Regional Report Surplus Deficit	4850	5030	7718	5667	5341	3443	4512	5204	8191	7765	7604	10926	6915	7564
12 1940 Regional Report Surplus Deficit	5278	4298	7581	5714	6071	4142	4692	4389	9663	8031	7113	10747	6596	7171
13 1941 Regional Report Surplus Deficit	4167	4002	7031	5293	5567	4435	2883	4462	7341	4169	5364	9315	6224	6410
14 1942 Regional Report Surplus Deficit	5158	4106	7422	5289	6599	5500	5673	6389	8774	5633	6944	10078	9238	8505
15 1943 Regional Report Surplus Deficit	6270	6144	8213	5748	4784	4105	6305	7645	9472	10095	8949	10836	10573	8562
16 1944 Regional Report Surplus Deficit	6988	6203	7969	5640	5744	3580	2825	4411	7074	4748	5475	7728	3001	4511
17 1945 Regional Report Surplus Deficit	4063	3640	6392	5078	5345	3345	2144	3862	6965	5145	1820	10195	9179	5219
18 1946 Regional Report Surplus Deficit	4909	4225	7646	5515	6011	4728	5218	6461	9401	9431	8561	11038	9713	8687
19 1947 Regional Report Surplus Deficit	6909	6663	8201	5620	5925	7382	6900	8410	9622	8887	7583	11072	9739	8592
20 1948 Regional Report Surplus Deficit	6515	6023	8017	9920	8209	6444	6709	7653	9279	8230	8066	11349	10017	8553
21 1949 Regional Report Surplus Deficit	7064	7379	8461	6497	5444	4942	4962	6489	9632	8997	8381	11412	9810	6501
22 1950 Regional Report Surplus Deficit	4849	4591	7674	5385	5449	4221	6610	8566	9897	9757	7955	10468	10645	9302
23 1951 Regional Report Surplus Deficit	7209	7437	8404	7863	8888	7571	7255	9324	9877	9847	8025	10819	9749	8466
24 1952 Regional Report Surplus Deficit	7088	6200	8140	9265	7072	6481	6308	8089	9583	9820	8836	11473	10102	8711
25 1953 Regional Report Surplus Deficit	6500	5091	7831	5671	5134	3287	4141	7858	9007	6685	7094	10855	10634	8648
26 1954 Regional Report Surplus Deficit	7071	6738	8144	6393	5858	5857	6627	8430	9488	8757	7719	10868	10179	9041
27 1955 Regional Report Surplus Deficit	7265	7684	10656	6577	7203	5697	4422	5433	6721	6332	6410	10133	10609	8989
28 1956 Regional Report Surplus Deficit	7112	6828	8014	6968	8020	7394	7195	8858	9644	9524	8248	11158	10554	8732
29 1957 Regional Report Surplus Deficit	7211	7264	8235	6881	5509	6062	5407	6193	9502	9776	7449	11825	10491	8505
30 1958 Regional Report Surplus Deficit	6093	5224	7968	5530	5587	3932	5828	7459	9164	7982	8111	11359	10326	8342
31 1959 Regional Report Surplus Deficit	6509	5038	7766	5967	6910	7077	7104	8563	9497	9425	7447	10614	10136	8589
32 1960 Regional Report Surplus Deficit	7161	7360	11017	10871	8907	6749	5820	7160	9507	10052	7865	10517	9976	8376
33 1961 Regional Report Surplus Deficit	6697	5607	7887	6181	5678	5235	5695	8263	9648	8722	7095	10649	9865	8151
34 1962 Regional Report Surplus Deficit	6529	5428	7510	5127	5638	4667	5590	7015	8047	9814	8323	10837	9465	8359
35 1963 Regional Report Surplus Deficit	6384	6247	7908	7365	7245	6822	6018	7648	8875	6543	6942	11139	9555	8419
36 1964 Regional Report Surplus Deficit	6015	5771	8202	5565	5267	5227	4500	5781	8241	9073	6828	10493	10609	8851
37 1965 Regional Report Surplus Deficit	7153	7142	8819	7645	6629	7353	7101	9055	9554	8419	8467	10878	9748	8633
38 1966 Regional Report Surplus Deficit	7174	7210	7875	6834	5666	5559	5264	6543	8548	9719	7434	10048	9178	8419
39 1967 Regional Report Surplus Deficit	6740	5656	7713	5540	5309	5762	6844	8366	9476	7958	4435	10417	10225	8560
40 1968 Regional Report Surplus Deficit	6953	6775	7980	6502	6216	5589	6491	8108	9575	5970	6019	9935	9846	8468
41 1969 Regional Report Surplus Deficit	6930	6634	9350	7936	8286	6473	7012	8527	9371	9701	8232	11298	10221	8638
42 1970 Regional Report Surplus Deficit	6158	5170	7920	6501	5998	4397	6017	7225	8794	7072	6640	10857	10284	7736
43 1971 Regional Report Surplus Deficit	5850	5107	7783	5580	5624	4994	7166	8876	9877	9609	7888	11122	10666	8821
44 1972 Regional Report Surplus Deficit	7426	7696	8469	7103	5857	5980	7103	9080	10170	9973	7832	11136	10111	8812
45 1973 Regional Report Surplus Deficit	7180	7542	8626	6907	5938	5568	5701	5607	7902	4612	5523	9455	5252	6678
46 1974 Regional Report Surplus Deficit	4473	4079	7132	5655	5400	6283	7343	8931	9946	9753	8197	10480	10376	9401
47 1975 Regional Report Surplus Deficit	7264	7569	8375	5508	5799	4311	6028	7468	9529	6712	6592	10740	10526	8885
48 1976 Regional Report Surplus Deficit	7024	7176	8663	8289	8702	7564	7238	8724	9550	9656	7876	11195	10196	8641
49 1977 Regional Report Surplus Deficit	7420	7854	11505	6972	5872	3475	3006	4509	7007	4094	4822	7540	2238	4723
50 1978 Regional Report Surplus Deficit	4041	3457	6830	4205	5331	4911	5479	6920	9144	9425	7663	10976	8920	8630
51 1979 Regional Report Surplus Deficit	5938	5600	9563	7042	5909	3979	4370	4807	9310	6023	6871	11151	8685	4812
52 1980 Regional Report Surplus Deficit	4898	4166	7750	5639	5510	3182	4387	5107	7768	7831	7841	11682	9911	8288
53 1981 Regional Report Surplus Deficit	4758	4446	7825	5684	5620	6787	6780	8364	8981	4519	6800	10694	10214	8259
54 1982 Regional Report Surplus Deficit	7067	7181	7998	6242	6208	5468	6461	9132	9940	9730	7649	10703	10544	9214

Regional Report Surplus Deficit By Water Year

Operating Year 2019

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Regional Report Surplus Deficit	7285	7537	9466	8119	6439	6142	6893	8824	9995	9347	7387	10707	10170	8608
56 1984 Regional Report Surplus Deficit	7260	7164	8575	6639	9134	6463	6558	8474	9884	9916	8220	10922	10610	8649
57 1985 Regional Report Surplus Deficit	7394	6652	8593	6762	6390	5596	5138	6173	8312	8975	7736	10843	8532	7182
58 1986 Regional Report Surplus Deficit	4738	4466	7899	5405	8344	5624	6256	8552	10035	9596	8238	10637	9567	8380
59 1987 Regional Report Surplus Deficit	5942	4677	7725	5266	5959	5719	4782	5613	8565	5383	6591	10488	8191	6624
60 1988 Regional Report Surplus Deficit	4591	4379	7295	5410	5228	3097	2506	2811	7320	5361	6458	9955	5876	7885
61 1989 Regional Report Surplus Deficit	5326	4499	7467	5307	5916	4353	3006	4287	8929	8246	8089	10741	8789	6968
62 1990 Regional Report Surplus Deficit	4946	4418	7773	5798	5989	5656	6059	7477	9381	7882	8227	10458	10106	8552
63 1991 Regional Report Surplus Deficit	6983	6948	7820	5366	8642	6440	6626	8046	9181	8399	6900	10488	9707	8283
64 1992 Regional Report Surplus Deficit	7105	6932	7710	5889	5600	3096	3843	5040	8679	4642	4704	9112	4477	4999
65 1993 Regional Report Surplus Deficit	3938	3680	7107	4906	5475	3621	2090	2588	8244	6548	7046	10900	9564	7765
66 1994 Regional Report Surplus Deficit	5759	4925	7755	5684	6049	3987	1942	3792	8495	5160	6440	10106	7404	7514
67 1995 Regional Report Surplus Deficit	5009	3763	7242	5582	4955	3866	4608	6915	9320	8604	6752	11069	10197	8570
68 1996 Regional Report Surplus Deficit	6084	5110	8216	7413	8972	7446	7342	9395	10049	9959	8848	11130	10044	8531
69 1997 Regional Report Surplus Deficit	7179	7001	8212	6139	5926	6521	7281	8901	10057	9624	8505	10921	10028	8757
70 1998 Regional Report Surplus Deficit	7336	7703	9525	10219	8082	5640	5576	7073	9108	7499	7377	11339	10458	8755
71 1999 Regional Report Surplus Deficit	7040	5878	8107	5896	5016	6268	7124	8866	9833	8845	8073	10700	10581	8975
72 2000 Regional Report Surplus Deficit	7586	7934	8601	6283	8824	6895	6066	7466	9464	9806	8337	10920	8485	8453
73 2001 Regional Report Surplus Deficit	6794	5236	7842	5756	5467	3476	2549	4136	7162	4531	4998	8888	2321	5237
74 2002 Regional Report Surplus Deficit	4140	3685	6472	4090	5248	3891	3148	4523	8128	7639	7854	10536	10138	8553
75 2003 Regional Report Surplus Deficit	6363	5751	7829	5747	5880	3730	2775	3996	9347	7502	7121	10378	9938	7319
76 2004 Regional Report Surplus Deficit	4799	4516	7512	5405	6445	4573	4054	4708	8377	6509	6656	10487	8373	7854
77 2005 Regional Report Surplus Deficit	5347	5204	8313	6555	5367	5357	5347	5728	7631	4699	6142	10457	8906	8256
78 2006 Regional Report Surplus Deficit	5907	4203	7673	4812	5660	5271	6367	8048	9212	9763	8369	11251	10391	8562
79 2007 Regional Report Surplus Deficit	5473	5160	7574	5566	6388	4486	5722	7180	9716	9043	7084	10620	9178	8662
80 2008 Regional Report Surplus Deficit	5818	4360	7560	5776	6134	3236	3638	5247	8233	7134	4844	10750	10709	8843

Ranked Averages

81 Bottom 10 pct	4262	3866	6910	4993	5290	4131	3928	5127	8257	6766	6457	10334	8664	7802
82 Middle 80 pct	6227	5668	8000	6244	6270	5162	5278	6753	8953	7928	7230	10608	9136	7950
83 Top 10 pct	7372	7579	9399	7193	6808	5467	5529	7003	8788	7842	7062	10420	8891	8051

Regional Report Surplus Deficit By Water Year

Operating Year 2020

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	6835	6892	7867	5570	5657	3267	2657	4206	6955	5486	7210	8978	8332	3183
2 1930 Regional Report Surplus Deficit	5030	4270	8976	5605	5638	3151	1716	4783	7233	6253	7400	8717	6306	5672
3 1931 Regional Report Surplus Deficit	5578	4206	8702	5513	5990	3266	949	2791	7675	6265	2907	9581	5060	6051
4 1932 Regional Report Surplus Deficit	5368	4537	8764	4904	4424	3258	1622	2000	8812	10236	9260	10963	9630	7154
5 1933 Regional Report Surplus Deficit	6715	6005	9166	5595	5308	5340	5976	7846	9300	7746	8312	10187	9968	7948
6 1934 Regional Report Surplus Deficit	7566	7515	9379	7025	8571	7022	7383	9568	10147	10214	8860	10260	8033	6081
7 1935 Regional Report Surplus Deficit	4528	3984	8461	5347	4483	3817	5913	7492	9233	6217	8566	10274	8819	7346
8 1936 Regional Report Surplus Deficit	7415	5587	7708	5486	5463	3109	1381	4125	7525	6794	9162	11255	9579	6425
9 1937 Regional Report Surplus Deficit	5972	4601	9144	5571	5860	3202	1312	2882	6758	5648	3554	9899	7763	4832
10 1938 Regional Report Surplus Deficit	5635	4486	9090	5480	5500	4277	5644	7420	9843	9953	9654	10855	9421	7306
11 1939 Regional Report Surplus Deficit	4650	5019	9027	5644	5176	3205	4884	5354	8167	8129	8854	10892	7411	6121
12 1940 Regional Report Surplus Deficit	5254	4270	8937	5687	6319	4879	3769	5765	10133	8495	8416	10722	7835	5520
13 1941 Regional Report Surplus Deficit	3981	4017	8452	5263	5591	4099	2779	4420	7331	4817	6615	9262	6921	4825
14 1942 Regional Report Surplus Deficit	5254	4068	8706	5006	6547	5764	5243	6373	8049	6478	8216	10025	8818	7462
15 1943 Regional Report Surplus Deficit	6467	6210	9047	5780	4472	4566	6193	8080	9886	10941	9813	10768	10047	7824
16 1944 Regional Report Surplus Deficit	7365	6188	9447	5659	5689	3352	3110	4419	6848	5419	6956	7549	4391	3506
17 1945 Regional Report Surplus Deficit	4151	3602	7845	4827	5208	3197	1689	3779	7263	5369	3535	10438	8903	4343
18 1946 Regional Report Surplus Deficit	4843	4194	9105	5420	5757	4909	5439	7087	9645	10243	9656	10870	9339	7633
19 1947 Regional Report Surplus Deficit	7233	6773	9477	5447	6906	6725	6860	9043	10102	9423	8852	10884	9318	7455
20 1948 Regional Report Surplus Deficit	6772	6002	9391	9864	8456	5941	6667	8078	9627	8852	9246	10942	9495	7707
21 1949 Regional Report Surplus Deficit	7495	7788	9474	6231	6397	4551	4916	5964	10240	9478	9484	11110	9414	4916
22 1950 Regional Report Surplus Deficit	4648	4622	9152	5219	4961	4814	6553	9354	10263	10535	9143	10407	10073	8411
23 1951 Regional Report Surplus Deficit	7642	7814	9579	7608	8866	6920	7350	10143	10362	10690	9235	10649	9336	7679
24 1952 Regional Report Surplus Deficit	7318	6199	9516	9182	7882	5978	6299	8612	9980	10615	9933	11101	9620	7468
25 1953 Regional Report Surplus Deficit	6751	5017	7758	5587	5596	3329	3389	9259	9069	6994	8387	10813	10114	7898
26 1954 Regional Report Surplus Deficit	7379	6814	9502	6131	6866	5450	6217	9361	9971	9158	8988	10742	9542	8151
27 1955 Regional Report Surplus Deficit	7691	8095	9500	6311	7877	5274	4110	5954	6518	6613	7623	10093	10096	8190
28 1956 Regional Report Surplus Deficit	7547	6925	9460	6699	8355	6724	7191	9659	9859	10273	9302	10829	9989	7965
29 1957 Regional Report Surplus Deficit	7631	7545	9579	6612	6336	5699	5405	5495	10018	10513	8750	11338	9971	7050
30 1958 Regional Report Surplus Deficit	6196	5176	9297	5611	5853	4529	5871	7985	9489	8404	9343	11034	9765	6795
31 1959 Regional Report Surplus Deficit	6724	5001	9226	5966	7704	6468	7080	9237	10033	10112	8765	10571	9619	7817
32 1960 Regional Report Surplus Deficit	7576	7770	9427	10742	8655	6151	5735	7483	9756	10894	9103	10477	9510	7214
33 1961 Regional Report Surplus Deficit	6989	5529	9355	6023	6663	4849	5575	8321	10222	9117	8393	10541	9225	6502
34 1962 Regional Report Surplus Deficit	6778	5415	8963	5265	6020	4681	5438	7386	7805	10628	9502	10760	9239	6896
35 1963 Regional Report Surplus Deficit	6601	6250	9381	7080	7937	6261	6077	7996	8772	6848	8203	11104	9190	7182
36 1964 Regional Report Surplus Deficit	6205	5756	9407	5521	5990	4839	4479	5581	8152	9637	8062	10436	10004	8090
37 1965 Regional Report Surplus Deficit	7547	7471	9485	7411	7514	6739	7310	9875	9881	8834	9578	10645	9281	7435
38 1966 Regional Report Surplus Deficit	7587	7525	9341	6564	6670	5161	5250	6797	8480	10552	8723	9961	8894	7220
39 1967 Regional Report Surplus Deficit	7114	5624	9166	5452	5514	5618	6800	8903	9959	8303	5225	10398	9625	7835
40 1968 Regional Report Surplus Deficit	7317	6926	9247	6235	7198	5192	6054	8899	10043	6334	7189	9831	9351	7406
41 1969 Regional Report Surplus Deficit	7317	6760	9261	7734	8526	5967	7026	9290	9776	10511	9362	11048	9728	7476
42 1970 Regional Report Surplus Deficit	6289	5139	9345	6436	6542	4300	5897	7694	8964	7348	7881	10806	9912	6152
43 1971 Regional Report Surplus Deficit	5868	5038	9232	5580	5548	5303	7197	9696	10429	10349	9084	10840	10054	8114
44 1972 Regional Report Surplus Deficit	7856	8165	9685	6882	6835	5563	7073	9755	10286	10816	9167	10790	9568	8022
45 1973 Regional Report Surplus Deficit	7610	8010	9662	6655	6907	5194	5686	6191	7731	5460	6533	9323	6036	5096
46 1974 Regional Report Surplus Deficit	4436	4051	8578	5490	5710	5949	7583	9726	9938	10494	9302	10267	9778	8462
47 1975 Regional Report Surplus Deficit	7699	8040	9503	5399	5312	4505	5898	7966	9858	6987	7822	10630	10073	8188
48 1976 Regional Report Surplus Deficit	7377	7396	9599	8105	8697	7164	7213	9477	10124	10498	9058	10898	9711	7920
49 1977 Regional Report Surplus Deficit	7834	8243	9661	6702	5914	3497	3565	4744	6819	4918	5691	7196	3706	3754
50 1978 Regional Report Surplus Deficit	4161	3425	6756	3995	5234	4868	5499	7251	9346	10220	8933	10882	8754	7499
51 1979 Regional Report Surplus Deficit	6032	5517	9328	6774	6660	3905	3487	6847	9386	6657	8245	11130	8649	4116
52 1980 Regional Report Surplus Deficit	4873	4134	9112	5667	5668	3146	4737	4704	7750	7976	9140	11372	9513	6603
53 1981 Regional Report Surplus Deficit	4655	4404	9127	5607	6467	6284	6715	8940	9002	5281	8009	10666	9662	7463
54 1982 Regional Report Surplus Deficit	7497	7560	9264	6012	7159	5078	6437	9952	10354	10524	8851	10458	10146	8483

Regional Report Surplus Deficit By Water Year

Operating Year 2020

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Regional Report Surplus Deficit	7694	7992	9629	7896	7409	5712	6856	9441	10566	9915	8670	10575	9662	7877
56 1984 Regional Report Surplus Deficit	7693	7379	9635	6465	8926	5982	6589	9080	10320	10759	9159	10790	10182	7759
57 1985 Regional Report Surplus Deficit	7813	6675	9652	6593	7378	5205	5116	6515	8523	9377	8939	10796	8365	5736
58 1986 Regional Report Surplus Deficit	4538	4498	9302	7065	7938	5223	6020	9146	10603	10439	9187	10598	9202	6897
59 1987 Regional Report Surplus Deficit	5997	4640	9203	5516	6760	5232	4332	5573	9001	5766	7814	10453	8178	5425
60 1988 Regional Report Surplus Deficit	4407	4398	8773	5105	4566	2910	2010	2604	7495	5738	7654	9962	7077	6473
61 1989 Regional Report Surplus Deficit	5387	4461	8932	5232	5939	4471	2915	3190	9010	8640	9263	10697	8705	6080
62 1990 Regional Report Surplus Deficit	4851	4382	9224	5623	6593	5405	5522	8429	9845	8239	9423	10396	9543	7284
63 1991 Regional Report Surplus Deficit	7381	7184	9292	5337	8577	5909	6474	8489	9623	9416	8176	10444	9241	7542
64 1992 Regional Report Surplus Deficit	7525	7157	9185	5285	5167	3071	3564	6026	8528	5226	6170	9007	5372	4155
65 1993 Regional Report Surplus Deficit	3929	3650	7034	4974	5331	3386	1654	2306	8204	6782	8277	10764	9260	6243
66 1994 Regional Report Surplus Deficit	5826	4848	9133	5571	6096	3780	2549	3952	8093	5604	7635	9999	8044	5951
67 1995 Regional Report Surplus Deficit	5023	3740	8658	5318	4933	3991	4600	6872	9373	9121	8015	11041	9746	7234
68 1996 Regional Report Surplus Deficit	6134	5070	9326	7507	8720	7363	7533	10215	10489	10784	9953	10911	9571	7816
69 1997 Regional Report Surplus Deficit	7572	7247	9557	5982	6918	6024	7490	9721	10298	10466	9552	10634	9427	8032
70 1998 Regional Report Surplus Deficit	7709	8176	9712	10164	8406	5251	5101	7934	9045	7769	8664	10921	10018	7452
71 1999 Regional Report Surplus Deficit	7358	5845	9580	5688	5170	5936	7068	9643	10169	9358	9200	10632	10073	8236
72 2000 Regional Report Surplus Deficit	8014	8412	9581	6041	8565	6336	6048	7731	9771	10579	9522	10817	8493	7110
73 2001 Regional Report Surplus Deficit	7079	5214	9311	5732	5521	3491	2787	4115	6942	5045	5926	8752	4098	3919
74 2002 Regional Report Surplus Deficit	4161	3650	6399	3833	5143	3991	3026	4473	8115	7959	9020	10494	9597	7637
75 2003 Regional Report Surplus Deficit	6543	5682	9205	5576	5871	3528	2725	4125	9497	7825	8407	10343	9611	5814
76 2004 Regional Report Surplus Deficit	4629	4531	7439	5267	6398	4805	3661	3886	8368	6785	7911	10451	8645	6570
77 2005 Regional Report Surplus Deficit	5362	5163	9022	6286	6333	4970	4634	7088	7721	5574	7440	10499	8830	6420
78 2006 Regional Report Surplus Deficit	6040	4174	9117	5013	6235	4769	6406	8362	9531	10541	9423	10858	9788	7141
79 2007 Regional Report Surplus Deficit	5395	5125	9047	4842	6774	4923	5744	6820	10286	9671	8313	10631	8706	7385
80 2008 Regional Report Surplus Deficit	5832	4348	7487	5219	5974	3703	3841	4936	8394	7473	5713	10614	10139	7669
Ranked Averages														
81 Bottom 10 pct	4219	3847	7787	4854	5158	4027	3769	5256	8366	7199	7738	10293	8639	6603
82 Middle 80 pct	6417	5740	9120	6115	6542	4959	5159	7117	9138	8464	8327	10464	8952	6828
83 Top 10 pct	7789	7885	9632	7018	7343	5256	5781	7896	9399	8890	8454	10314	8758	6987

Regional Report Surplus Deficit By Water Year

Operating Year 2021

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	5931	5780	6968	4913	5184	2149	920	2565	3806	4396	5644	8043	5608	1607
2 1930 Regional Report Surplus Deficit	4718	4040	6707	4866	5149	2040	39.7	3148	4080	5112	5834	7917	3286	4153
3 1931 Regional Report Surplus Deficit	4871	3739	6413	4769	5487	2126	-67.1	1204	5041	5126	1445	8647	1936	4539
4 1932 Regional Report Surplus Deficit	4954	3696	6453	4276	3962	2129	-30.4	473	6583	9069	7781	9856	7075	5649
5 1933 Regional Report Surplus Deficit	6016	5534	7144	4893	4848	4138	4175	6309	7515	6766	6772	9035	7449	6423
6 1934 Regional Report Surplus Deficit	6441	6769	7376	6231	8056	5852	5761	7954	8672	8966	7447	9170	5472	4572
7 1935 Regional Report Surplus Deficit	4020	3792	6054	4617	4052	2672	4158	5713	7586	5087	7026	9151	6197	5836
8 1936 Regional Report Surplus Deficit	6356	5173	6871	4808	4987	1987	-238	2488	4630	5645	7680	10114	6935	4915
9 1937 Regional Report Surplus Deficit	4954	4214	6767	4855	5362	2070	-346	1280	3534	4542	2069	8861	4838	3288
10 1938 Regional Report Surplus Deficit	5126	4175	6786	4787	5029	3118	3900	5749	8109	8816	8178	9708	6790	5799
11 1939 Regional Report Surplus Deficit	4274	4707	6847	4936	4716	2109	2852	3721	5899	6960	7349	9754	4584	4608
12 1940 Regional Report Surplus Deficit	4780	3930	6604	4936	5804	3682	2007	4097	8491	7325	6887	9597	5091	3996
13 1941 Regional Report Surplus Deficit	3988	3753	6130	4582	5094	2935	1065	2782	4365	3733	5052	8195	4123	3308
14 1942 Regional Report Surplus Deficit	3974	3294	6235	4374	6021	4564	3490	4689	5435	5335	6677	8907	6210	5950
15 1943 Regional Report Surplus Deficit	5796	5712	7207	5040	4041	3394	4498	6395	8226	9624	8314	9601	7431	6296
16 1944 Regional Report Surplus Deficit	6135	5677	7203	5018	5215	2243	1354	2774	3546	4333	5391	6723	1120	1955
17 1945 Regional Report Surplus Deficit	3555	3205	5600	4164	4722	2058	47.0	2173	4123	4277	2067	9283	6273	2783
18 1946 Regional Report Surplus Deficit	4233	4136	6908	4780	5281	3722	3681	5399	7790	9083	8160	9726	6711	6119
19 1947 Regional Report Surplus Deficit	6489	6600	7488	4845	6390	5557	5233	7311	8591	8254	7337	9806	6695	5942
20 1948 Regional Report Surplus Deficit	5922	5376	7325	9411	7905	4742	5021	6397	7909	7681	7769	9876	6828	6188
21 1949 Regional Report Surplus Deficit	6357	6908	7806	5465	5898	3372	3160	4287	8747	8307	8006	9986	6859	3372
22 1950 Regional Report Surplus Deficit	4199	4233	6827	4594	4505	3619	4862	7744	8715	9307	7656	9242	7469	6876
23 1951 Regional Report Surplus Deficit	6504	6998	7755	6827	8328	5754	5734	8529	8881	9374	7760	9511	6784	6155
24 1952 Regional Report Surplus Deficit	6478	5700	7457	8611	7335	4779	4625	6935	8356	9381	8411	10006	6988	5884
25 1953 Regional Report Surplus Deficit	5832	5164	6989	4922	5116	2204	1595	7626	6924	5841	6832	9654	7523	6405
26 1954 Regional Report Surplus Deficit	5847	6232	7470	5378	6349	4249	4459	7745	8414	8041	7473	9593	6949	6604
27 1955 Regional Report Surplus Deficit	6577	7053	9424	5540	7325	4071	2346	4273	3170	5474	6061	8956	7495	6718
28 1956 Regional Report Surplus Deficit	6412	6552	7286	5910	7801	5558	5574	8040	8310	9104	7814	9753	7313	6363
29 1957 Regional Report Surplus Deficit	6531	6874	7564	5827	5840	4496	3664	3830	8343	9346	7227	10324	7290	5545
30 1958 Regional Report Surplus Deficit	5858	4935	6983	4921	5363	3360	4138	6298	7707	7234	7848	9925	7136	5214
31 1959 Regional Report Surplus Deficit	6012	4662	6949	5217	7157	5290	5457	7593	8538	8947	7243	9406	7065	6316
32 1960 Regional Report Surplus Deficit	6458	6840	9683	10250	8141	4971	4028	5796	7981	9578	7622	9361	6956	5702
33 1961 Regional Report Surplus Deficit	6313	5120	7117	5272	6154	3659	3848	6639	8737	7948	6851	9392	6666	4996
34 1962 Regional Report Surplus Deficit	5675	4893	6676	4642	5531	3494	3694	5699	5025	9353	8006	9595	6673	5391
35 1963 Regional Report Surplus Deficit	6129	5726	7053	6285	7385	5073	4361	6439	6581	5704	6649	9951	6615	5673
36 1964 Regional Report Surplus Deficit	5781	5317	7536	4865	5503	3650	2710	3910	5551	8468	6501	9271	7419	6579
37 1965 Regional Report Surplus Deficit	6455	6713	8114	6639	6972	5576	5676	8261	8326	7619	8077	9530	6667	5924
38 1966 Regional Report Surplus Deficit	6535	6733	7116	5774	6157	3961	3491	5110	5977	9250	7188	8910	6311	5710
39 1967 Regional Report Surplus Deficit	6135	5206	6960	4770	5045	4415	5162	7359	8358	7135	3690	9239	7034	6311
40 1968 Regional Report Surplus Deficit	6382	6314	7325	5464	6668	3993	4330	7227	8445	5192	5624	8798	6795	5891
41 1969 Regional Report Surplus Deficit	6334	6265	8457	6987	7974	4769	5411	7666	8228	9249	7858	9954	7114	5965
42 1970 Regional Report Surplus Deficit	5737	4736	7166	5662	6036	3139	4162	6007	6766	6192	6321	9643	7294	4632
43 1971 Regional Report Surplus Deficit	5674	4505	6891	4882	5082	4104	5564	8082	8890	9187	7620	9744	7436	6602
44 1972 Regional Report Surplus Deficit	6741	7149	7819	6093	6328	4361	5452	8168	8735	9499	7678	9672	6952	6485
45 1973 Regional Report Surplus Deficit	6472	6968	7974	5868	6392	4001	3941	4511	4871	4389	4968	8285	3087	3571
46 1974 Regional Report Surplus Deficit	4300	4180	6534	4793	5237	4749	5934	8124	8387	9277	7801	9143	7197	6923
47 1975 Regional Report Surplus Deficit	6557	6999	7726	4799	4839	3338	4243	6155	8121	5834	6260	9477	7418	6647
48 1976 Regional Report Surplus Deficit	6445	6565	7998	7366	8157	6003	5589	7860	8635	9182	7579	9819	7162	6398
49 1977 Regional Report Surplus Deficit	6753	7201	10098	5911	5431	2363	1800	3088	3471	3848	4142	6428	436	2219
50 1978 Regional Report Surplus Deficit	3459	3031	5835	3502	4759	3678	3754	5563	7437	8990	7417	9725	6152	5986
51 1979 Regional Report Surplus Deficit	5987	5605	8144	5978	6149	2769	1728	5161	7302	5511	6696	9964	5996	2553
52 1980 Regional Report Surplus Deficit	4239	3692	6839	4939	5182	2058	2969	3064	4821	6808	7647	10301	6936	5094
53 1981 Regional Report Surplus Deficit	4111	4127	6941	4892	5955	5094	5086	7278	6922	4188	6453	9506	7113	5944
54 1982 Regional Report Surplus Deficit	6364	6756	7343	5282	6627	3884	4757	8338	8802	9317	7356	9340	7462	6920

Regional Report Surplus Deficit By Water Year

Operating Year 2021

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Regional Report Surplus Deficit	6585	7018	8643	7134	6877	4510	5203	7786	9047	8745	7144	9411	7027	6348
56 1984 Regional Report Surplus Deficit	6570	6943	7924	5697	8404	4781	4905	7412	8722	9442	7676	9632	7525	6237
57 1985 Regional Report Surplus Deficit	6708	6127	7942	5828	6852	4009	3355	4831	6153	8204	7449	9631	5679	4213
58 1986 Regional Report Surplus Deficit	3765	4287	6933	6269	7392	4022	4297	7479	9165	9122	7719	9446	6663	5393
59 1987 Regional Report Surplus Deficit	5742	4100	6851	4876	6245	4033	2564	3905	6793	4656	6252	9315	5542	3896
60 1988 Regional Report Surplus Deficit	4423	4156	6636	4425	4085	1823	328	1031	4663	4633	6089	8940	4152	4965
61 1989 Regional Report Surplus Deficit	4944	4228	6631	4585	5447	3290	1193	1609	6828	7462	7763	9543	5983	4559
62 1990 Regional Report Surplus Deficit	4677	4171	6853	4907	6079	4202	3779	6763	8238	7071	7945	9263	6976	5771
63 1991 Regional Report Surplus Deficit	6353	6332	7000	4706	8044	4716	4829	6900	8109	8319	6715	9346	6701	6019
64 1992 Regional Report Surplus Deficit	6401	6461	6921	4640	4693	1976	1802	4416	6402	4220	4669	8052	2418	2625
65 1993 Regional Report Surplus Deficit	3573	3377	6203	4283	4835	2251	10.2	807	5615	5632	6725	9598	6559	4941
66 1994 Regional Report Surplus Deficit	5272	4504	6881	4867	5591	2622	847	2391	5485	4577	6139	9033	5353	4428
67 1995 Regional Report Surplus Deficit	4549	3514	6470	4607	4475	2835	2831	5253	7294	7952	6461	9881	7105	5653
68 1996 Regional Report Surplus Deficit	5542	4765	7352	6741	8206	6155	5904	8601	9051	9499	8461	9794	6955	6217
69 1997 Regional Report Surplus Deficit	6488	6529	7541	5250	6399	4824	5857	8107	8748	9150	8067	9548	6809	6437
70 1998 Regional Report Surplus Deficit	6654	7153	8706	9738	7853	4057	3334	6250	6820	6604	7133	9852	7362	5870
71 1999 Regional Report Surplus Deficit	6650	5957	7314	5029	4712	4735	5446	8016	8620	8190	7720	9468	7465	6645
72 2000 Regional Report Surplus Deficit	6904	7380	7944	5305	8050	5148	4329	6121	8018	9407	8028	9656	5703	5529
73 2001 Regional Report Surplus Deficit	6436	4900	6889	5023	5046	2357	1032	2470	3843	3965	4373	7822	753	2305
74 2002 Regional Report Surplus Deficit	3631	3309	5968	3340	4667	2831	1302	2829	5549	6793	7542	9353	6939	6108
75 2003 Regional Report Surplus Deficit	5767	5265	6769	4828	5373	2391	1017	2495	7579	6660	6870	9201	6983	4216
76 2004 Regional Report Surplus Deficit	4338	3790	6635	4555	5863	3607	1902	2273	5888	5630	6355	9326	5945	4986
77 2005 Regional Report Surplus Deficit	3940	4675	7119	5492	5821	3769	2872	5401	5041	4454	5878	9346	6156	4833
78 2006 Regional Report Surplus Deficit	5208	4003	6879	4354	5712	3575	4731	6682	7826	9238	7931	9737	7170	5561
79 2007 Regional Report Surplus Deficit	5337	4493	6884	4289	6251	3727	4026	5133	8737	8504	6769	9469	6046	5807
80 2008 Regional Report Surplus Deficit	5313	4035	6621	4493	5450	2551	2077	3274	5962	6314	4175	9456	7519	6083
Ranked Averages														
81 Bottom 10 pct	3736	3616	6253	4501	5414	3263	2105	3965	5841	6042	6135	9232	6134	4913
82 Middle 80 pct	5664	5262	7149	5373	5964	3728	3467	5453	7185	7318	6825	9368	6261	5310
83 Top 10 pct	6697	6880	8486	6322	6679	4157	3908	6067	6754	7497	6919	9134	6015	5503

Regional Report Surplus Deficit By Water Year

Operating Year 2022

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	4690	4511	6888	3185	3472	1258	284	1923	3130	2504	4081	7626	6796	1231
2 1930 Regional Report Surplus Deficit	3474	2758	6605	3164	3431	1164	-582	2510	3403	3206	4268	7410	5026	3656
3 1931 Regional Report Surplus Deficit	3628	2457	6240	3069	3764	1184	-1279	604	4391	3220	-75.3	8330	3885	4022
4 1932 Regional Report Surplus Deficit	3711	2415	6328	2539	2255	1214	-647	-77.7	5952	7067	6213	9624	8029	5093
5 1933 Regional Report Surplus Deficit	4774	4260	7309	3179	3140	3074	3483	5569	6859	4858	5197	8867	8368	5907
6 1934 Regional Report Surplus Deficit	5202	5504	7548	4553	6299	4969	5083	7243	8012	6945	5875	9000	6464	4047
7 1935 Regional Report Surplus Deficit	2774	2508	5659	2912	2355	1719	3461	4991	6926	3182	5450	8965	7258	5274
8 1936 Regional Report Surplus Deficit	5114	3893	6585	3086	3274	1089	-847	1849	3967	3740	6099	9908	7909	4393
9 1937 Regional Report Surplus Deficit	3710	2930	6392	3146	3640	1146	-963	667	2854	2644	541	8581	6257	2840
10 1938 Regional Report Surplus Deficit	3883	2890	6666	3070	3318	2137	3237	5038	7440	6869	6611	9513	7758	5240
11 1939 Regional Report Surplus Deficit	3027	3421	6897	3224	3008	1271	2206	3230	5061	5049	5772	9578	5961	4096
12 1940 Regional Report Surplus Deficit	3536	2645	6320	3238	4075	2623	1364	3441	7819	5387	5310	9411	6326	3508
13 1941 Regional Report Surplus Deficit	2743	2466	5907	2861	3372	1940	435	2142	3699	1844	3494	7949	5432	2805
14 1942 Regional Report Surplus Deficit	2731	2012	6277	2638	4288	3517	2844	4029	4786	3429	5096	8716	7210	5399
15 1943 Regional Report Surplus Deficit	4472	4450	7347	3338	2344	2382	3794	5673	7556	7603	6752	9433	8414	5773
16 1944 Regional Report Surplus Deficit	4893	4401	7004	3285	3503	1373	713	2130	2862	2443	3831	6145	3217	1517
17 1945 Regional Report Surplus Deficit	2311	1922	5361	2438	3005	1121	-567	1557	3447	2384	542	9116	7233	2359
18 1946 Regional Report Surplus Deficit	2988	2852	6599	3046	3568	2680	3034	4730	7142	7069	6592	9530	7682	5559
19 1947 Regional Report Surplus Deficit	5247	5333	7592	3100	4661	4609	4553	6554	7914	6290	5754	9613	7660	5381
20 1948 Regional Report Surplus Deficit	4680	4097	7394	7603	6143	3700	4335	5658	7260	5738	6195	9597	7801	5642
21 1949 Regional Report Surplus Deficit	5118	5646	7949	3773	4176	2345	2514	3627	8079	6346	6436	9764	7814	2922
22 1950 Regional Report Surplus Deficit	2952	2950	5865	2856	2800	2561	4170	7019	8153	7286	6070	9075	8439	6331
23 1951 Regional Report Surplus Deficit	5265	5736	7895	5149	6553	4815	5058	7819	8262	7353	6189	9303	7752	5620
24 1952 Regional Report Surplus Deficit	5236	4423	7529	6814	5591	3738	3931	6181	7681	7361	6849	9752	7956	5323
25 1953 Regional Report Surplus Deficit	4584	3877	6340	3196	3402	1299	960	6877	6297	3937	5259	9485	8444	5889
26 1954 Regional Report Surplus Deficit	4596	4883	7556	3681	4619	3185	3781	7009	7734	6090	5887	9398	7898	6083
27 1955 Regional Report Surplus Deficit	5337	5787	8757	3849	5577	3008	1703	3613	2483	3568	4491	8777	8490	6165
28 1956 Regional Report Surplus Deficit	5174	5260	7273	4227	6036	4613	4898	7329	7789	7134	6238	9476	8310	5834
29 1957 Regional Report Surplus Deficit	5212	5532	7658	4142	4119	3433	3015	3175	7665	7418	5649	10001	8284	4996
30 1958 Regional Report Surplus Deficit	4618	3658	6845	3203	3645	2356	3474	5581	7052	5313	6262	9688	8116	4678
31 1959 Regional Report Surplus Deficit	4692	3304	6808	3519	5413	4294	4778	6862	7870	7011	5661	9237	8040	5808
32 1960 Regional Report Surplus Deficit	5221	5587	8774	8494	6383	3968	3368	5090	7346	7557	6044	9167	7917	5141
33 1961 Regional Report Surplus Deficit	5071	3839	7031	3574	4428	2611	3181	5884	8072	5993	5275	9197	7647	4457
34 1962 Regional Report Surplus Deficit	4433	3614	6584	2903	3812	2453	3048	5010	4368	7332	6441	9426	7648	4844
35 1963 Regional Report Surplus Deficit	4887	4451	6891	4608	5638	4054	3664	5674	5952	3798	5075	9784	7600	5112
36 1964 Regional Report Surplus Deficit	4539	4039	7670	3137	3786	2605	2065	3252	4903	6517	4931	9106	8347	6093
37 1965 Regional Report Surplus Deficit	5216	5421	8265	4960	5231	4649	4995	7550	7804	5678	6514	9304	7624	5362
38 1966 Regional Report Surplus Deficit	5217	5390	7046	4091	4429	2899	2844	4451	5334	7229	5611	8646	7310	5148
39 1967 Regional Report Surplus Deficit	4895	3928	6979	3050	3335	3353	4478	6614	7688	5246	2147	9068	7953	5787
40 1968 Regional Report Surplus Deficit	5140	5044	7523	3773	4933	2931	3643	6453	7756	3287	4057	8512	7753	5332
41 1969 Regional Report Surplus Deficit	5089	4993	8341	5300	6216	3728	4735	6951	7671	7228	6301	9704	8064	5403
42 1970 Regional Report Surplus Deficit	4495	3457	7221	3972	4311	2153	3499	5289	6136	4289	4750	9477	8316	4135
43 1971 Regional Report Surplus Deficit	4431	3224	6710	3167	3372	3043	4888	7372	8296	7166	6045	9498	8384	6083
44 1972 Regional Report Surplus Deficit	5502	5890	7954	4409	4603	3297	4774	7576	8214	7479	6088	9433	7912	5971
45 1973 Regional Report Surplus Deficit	5236	5711	8118	4184	4664	2948	3294	3850	4210	2505	3410	8005	4689	3087
46 1974 Regional Report Surplus Deficit	3057	2897	6251	3077	3524	3705	5249	7413	7866	7256	6248	8921	8146	6453
47 1975 Regional Report Surplus Deficit	5320	5741	7940	3054	3127	2338	3554	5438	7479	3929	4690	9293	8423	6142
48 1976 Regional Report Surplus Deficit	5203	5295	8130	5660	6384	5123	4910	7142	7973	7161	6002	9558	8117	5877
49 1977 Regional Report Surplus Deficit	5449	5866	9073	4229	3715	1434	1156	2437	2784	1965	2594	5783	2660	1754
50 1978 Regional Report Surplus Deficit	2219	1749	5031	1726	3047	2633	3108	5124	6570	6969	5832	9542	7171	5425
51 1979 Regional Report Surplus Deficit	4745	4328	8150	4299	4422	1835	1087	4501	6677	3605	5121	9797	7087	2134
52 1980 Regional Report Surplus Deficit	2994	2407	6762	3233	3466	1225	2323	2424	4156	4912	6069	10024	7896	4569
53 1981 Regional Report Surplus Deficit	2866	2844	6924	3182	4228	4065	4406	6524	6297	2295	4880	9342	8113	5409
54 1982 Regional Report Surplus Deficit	5124	5495	7546	3577	4891	2830	4058	7628	8280	7297	5767	9114	8478	6455

Regional Report Surplus Deficit By Water Year

Operating Year 2022

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Regional Report Surplus Deficit	5346	5758	8557	5454	5140	3447	4514	7043	8416	6792	5560	9241	7981	5819
56 1984 Regional Report Surplus Deficit	5330	5601	8069	4005	6636	3731	4205	6647	8030	7421	6108	9452	8548	5690
57 1985 Regional Report Surplus Deficit	5466	4845	8087	4135	5119	2952	2709	4171	5516	6242	5862	9467	6817	3725
58 1986 Regional Report Surplus Deficit	2520	3003	6576	4591	5648	2958	3615	6714	8503	7102	6151	9277	7615	4853
59 1987 Regional Report Surplus Deficit	4500	2816	6562	3143	4517	2971	1920	3249	6163	2756	4682	9138	6608	3417
60 1988 Regional Report Surplus Deficit	3178	2869	6146	2704	2370	989	-294	443	4004	2735	4521	8642	5706	4436
61 1989 Regional Report Surplus Deficit	3624	2868	6357	2854	3728	2260	561	1014	6199	5553	6204	9375	7066	4056
62 1990 Regional Report Surplus Deficit	3358	2811	6516	3197	4350	3142	3123	6018	7577	5152	6375	9086	7941	5212
63 1991 Regional Report Surplus Deficit	5036	4988	6832	2970	6268	3674	4144	6215	7412	6389	5137	9179	7648	5501
64 1992 Regional Report Surplus Deficit	5157	5187	6868	2908	2980	1138	1160	3755	5773	2337	3111	7758	4026	2150
65 1993 Regional Report Surplus Deficit	2329	2093	5425	2565	3115	1321	-604	224	4968	3727	5151	9432	7543	4424
66 1994 Regional Report Surplus Deficit	3951	3147	6748	3153	3866	1641	220	1760	4834	2682	4571	8767	6486	3925
67 1995 Regional Report Surplus Deficit	3301	2225	6328	2896	2768	1858	2185	4778	6499	5992	4888	9713	8080	5098
68 1996 Regional Report Surplus Deficit	4221	3409	7462	5061	6448	5214	5224	7891	8389	7478	6898	9562	7919	5705
69 1997 Regional Report Surplus Deficit	5172	5186	7635	3546	4669	3780	5175	7397	8227	7129	6505	9283	7812	5920
70 1998 Regional Report Surplus Deficit	5339	5819	8632	7933	6100	3001	2687	5513	6189	4710	5556	9593	8324	5310
71 1999 Regional Report Surplus Deficit	5334	4607	7190	3301	3006	3682	4768	7302	8099	6229	6138	9302	8451	6122
72 2000 Regional Report Surplus Deficit	5600	6046	8083	3602	6293	4124	3646	5402	7370	7399	6469	9483	6902	4972
73 2001 Regional Report Surplus Deficit	5119	3540	6351	3311	3333	1429	392	1827	3169	2078	2822	7399	2978	1847
74 2002 Regional Report Surplus Deficit	2312	1950	5104	1564	2954	1844	669	2186	4903	4899	5965	9177	7926	5560
75 2003 Regional Report Surplus Deficit	4519	3984	6652	3193	3715	1459	388	1862	6959	4755	5293	9027	7937	3727
76 2004 Regional Report Surplus Deficit	3016	2426	5919	2844	4125	2547	1261	1651	5246	3727	4782	9140	6995	4462
77 2005 Regional Report Surplus Deficit	2619	3319	7249	3811	4093	2705	2225	4691	4389	2550	4308	9180	7188	4321
78 2006 Regional Report Surplus Deficit	3890	2645	6559	2626	3980	2520	4034	5960	7175	7217	6371	9512	8154	5010
79 2007 Regional Report Surplus Deficit	4018	3134	6228	2530	4519	2670	3353	4457	8056	6564	5193	9302	7074	5247
80 2008 Regional Report Surplus Deficit	3995	2674	5861	2787	3717	1585	1434	2620	5322	4413	2631	9276	8479	5521
Ranked Averages														
81 Bottom 10 pct	2473	2314	5866	2774	3690	2255	1466	3334	5158	4113	4567	9049	7165	4393
82 Middle 80 pct	4403	3966	7016	3661	4237	2740	2806	4770	6538	5371	5257	9139	7357	4791
83 Top 10 pct	5422	5577	8292	4614	4944	3118	3245	5382	6134	5548	5345	8885	7192	4980

Regional Report Surplus Deficit By Water Year

Operating Year 2023

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	3701	3785	6065	2377	2709	389	-480	1263	2314	1991	4178	7673	4787	1822
2 1930 Regional Report Surplus Deficit	2543	2056	5783	2363	2666	296	-1296	1844	2588	1733	4365	7665	2506	3849
3 1931 Regional Report Surplus Deficit	2668	1753	5418	2268	2998	311	-1952	-119	3483	1811	62.7	8156	1151	4107
4 1932 Regional Report Surplus Deficit	2727	1710	5506	1728	1492	343	-1344	-862	5033	2205	6347	9164	6196	4887
5 1933 Regional Report Surplus Deficit	3777	3538	6474	2374	2378	2176	2657	4800	6151	1931	5297	8405	6623	5358
6 1934 Regional Report Surplus Deficit	4221	4767	6712	3759	5529	4066	4318	6516	7340	2083	6015	8537	4594	4091
7 1935 Regional Report Surplus Deficit	1934	1809	4851	2110	1596	845	2634	4375	6096	2011	5553	8533	5346	4937
8 1936 Regional Report Surplus Deficit	4099	3186	5771	2280	2510	219	-1520	1185	3096	2026	6224	9453	6061	4457
9 1937 Regional Report Surplus Deficit	2806	2230	5582	2342	2875	275	-1665	-38.2	2057	1910	671	8329	4046	3222
10 1938 Regional Report Surplus Deficit	2949	2192	5845	2265	2555	1260	2407	4422	6619	2321	6753	9056	5895	4983
11 1939 Regional Report Surplus Deficit	2200	2726	6067	2420	2246	405	1390	2603	4153	2028	5887	9131	3788	4212
12 1940 Regional Report Surplus Deficit	2626	1947	5503	2438	3308	1731	570	2811	7028	2124	5416	8980	4278	3740
13 1941 Regional Report Surplus Deficit	1875	1773	5087	2055	2607	1061	-309	1479	2842	1402	3594	7630	3320	2963
14 1942 Regional Report Surplus Deficit	1766	1308	5444	1827	3520	2612	2015	3414	3876	1903	5199	8293	5337	4900
15 1943 Regional Report Surplus Deficit	3464	3727	6508	2537	1585	1500	2969	5055	6757	2741	6892	8969	6634	5224
16 1944 Regional Report Surplus Deficit	3881	3685	6183	2475	2740	506	-71.5	1474	2087	1981	3930	6573	328	1937
17 1945 Regional Report Surplus Deficit	1383	1220	4542	1630	2240	248	-1257	856	2629	1843	679	8653	5382	2826
18 1946 Regional Report Surplus Deficit	2119	2152	5783	2237	2804	1793	2207	4118	6278	2207	6739	9075	5823	5147
19 1947 Regional Report Surplus Deficit	4229	4598	6756	2287	3893	3695	3757	5908	7181	2307	5866	9158	5805	4986
20 1948 Regional Report Surplus Deficit	3676	3386	6559	6798	5371	2795	3527	5035	6440	2192	6325	9117	6012	5125
21 1949 Regional Report Surplus Deficit	4149	4906	7091	2974	3410	1461	1686	3006	7387	2337	6571	9303	5964	3302
22 1950 Regional Report Surplus Deficit	2133	2254	5082	2045	2038	1671	3356	6343	7416	2424	6193	8609	6643	5832
23 1951 Regional Report Surplus Deficit	4288	4996	7056	4355	5781	3901	4292	7092	7591	2491	6321	8854	5893	5077
24 1952 Regional Report Surplus Deficit	4219	3708	6694	6012	4820	2832	3112	5554	6899	2498	6989	9271	6106	5009
25 1953 Regional Report Surplus Deficit	3569	3172	5539	2389	2638	428	201	6225	5384	2055	5358	9019	6713	5340
26 1954 Regional Report Surplus Deficit	3613	4158	6720	2881	3852	2290	2954	6345	6992	2490	5999	8943	6047	5592
27 1955 Regional Report Surplus Deficit	4415	5046	7900	3051	4806	2110	908	2995	1729	2159	4589	8332	6665	5675
28 1956 Regional Report Surplus Deficit	4196	4527	6443	3431	5263	3699	4115	6627	7095	2271	6388	9006	6491	5286
29 1957 Regional Report Surplus Deficit	4198	4795	6823	3345	3354	2535	2185	2541	6858	2610	5758	9467	6484	4864
30 1958 Regional Report Surplus Deficit	3634	2948	6021	2398	2880	1476	2644	4966	6208	2234	6381	9219	6263	4646
31 1959 Regional Report Surplus Deficit	3695	2597	5984	2718	4642	3381	3985	6192	7175	2361	5770	8772	6213	5268
32 1960 Regional Report Surplus Deficit	4245	4847	7910	7704	5614	3056	2541	4475	6507	2695	6167	8751	6064	4763
33 1961 Regional Report Surplus Deficit	4050	3134	6205	2774	3661	1723	2352	5263	7388	2177	5376	8744	5798	4403
34 1962 Regional Report Surplus Deficit	3455	2903	5761	2092	3048	1567	2218	4396	3479	2470	6582	8962	5787	4728
35 1963 Regional Report Surplus Deficit	3870	3733	6071	3814	4866	3144	2844	5057	5034	2217	5174	9322	5734	4793
36 1964 Regional Report Surplus Deficit	3528	3327	6831	2328	3022	1718	1257	2625	3992	2259	5029	8639	6596	5563
37 1965 Regional Report Surplus Deficit	4235	4683	7405	4166	4461	3735	4236	6823	7111	2396	6654	8847	5770	5013
38 1966 Regional Report Surplus Deficit	4219	4654	6219	3296	3662	2006	2018	3838	4416	2367	5717	8360	5437	4797
39 1967 Regional Report Surplus Deficit	3875	3220	6151	2243	2572	2454	3674	5959	6944	2290	2259	8604	6180	5241
40 1968 Regional Report Surplus Deficit	4120	4314	6685	2975	4164	2037	2814	5819	6984	1802	4155	8271	5903	4890
41 1969 Regional Report Surplus Deficit	4075	4263	7475	4505	5443	2823	3953	6259	6950	2366	6445	9225	6223	5030
42 1970 Regional Report Surplus Deficit	3515	2748	6391	3174	3544	1275	2670	4674	5219	2212	4848	9009	6446	4325
43 1971 Regional Report Surplus Deficit	3459	2518	5892	2362	2609	2150	4107	6644	7625	2304	6183	9035	6627	5532
44 1972 Regional Report Surplus Deficit	4517	5150	7115	3613	3837	2401	3982	6849	7521	2616	6214	8983	6102	5431
45 1973 Regional Report Surplus Deficit	4283	4970	7277	3387	3896	2059	2465	3233	3333	2178	3509	7751	2304	3336
46 1974 Regional Report Surplus Deficit	2127	2195	5434	2272	2761	2800	4494	6686	7172	2394	6383	8463	6327	5951
47 1975 Regional Report Surplus Deficit	4352	5001	7100	2241	2364	1459	2725	4821	6653	2038	4788	8836	6596	5644
48 1976 Regional Report Surplus Deficit	4182	4565	7274	4864	5612	4214	4117	6455	7302	2299	6130	9067	6276	5321
49 1977 Regional Report Surplus Deficit	4541	5126	8192	3433	2951	562	357	1794	2030	1890	2701	6319	-344	2081
50 1978 Regional Report Surplus Deficit	1281	1050	4241	905	2283	1746	2278	4509	5676	2107	5944	9085	5286	5027
51 1979 Regional Report Surplus Deficit	3739	3612	7275	3505	3655	962	300	3887	5771	1963	5221	9329	5153	2617
52 1980 Regional Report Surplus Deficit	2101	1710	5939	2431	2701	360	1505	1762	3292	2019	6189	9562	6068	4611
53 1981 Regional Report Surplus Deficit	1987	2142	6094	2378	3462	3155	3609	5876	5391	1743	4979	8875	6293	4868
54 1982 Regional Report Surplus Deficit	4143	4755	6708	2775	4122	1941	3237	6901	7588	2434	5890	8661	6636	6007

Regional Report Surplus Deficit By Water Year

Operating Year 2023

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Regional Report Surplus Deficit	4366	5018	7687	4659	4371	2548	3703	6386	7745	2499	5669	8778	6139	5276
56 1984 Regional Report Surplus Deficit	4329	4863	7225	3207	5865	2827	3383	6007	7258	2559	6245	8992	6686	5180
57 1985 Regional Report Surplus Deficit	4450	4125	7246	3336	4351	2061	1883	3556	4593	2395	5983	8998	4848	3954
58 1986 Regional Report Surplus Deficit	1729	2307	5762	3797	4877	2063	2785	6074	7831	2239	6293	8815	5762	4794
59 1987 Regional Report Surplus Deficit	3520	2117	5745	2333	3749	2078	1118	2619	5245	1958	4780	8694	4691	3690
60 1988 Regional Report Surplus Deficit	2301	2176	5341	1898	1606	125	-1013	-297	3122	2017	4619	8428	3367	4450
61 1989 Regional Report Surplus Deficit	2669	2166	5540	2045	2963	1376	-189	284	5283	2392	6342	8909	5137	4218
62 1990 Regional Report Surplus Deficit	2467	2113	5701	2394	3583	2242	2293	5376	6806	2210	6510	8640	6083	4923
63 1991 Regional Report Surplus Deficit	4020	4257	6009	2159	5496	2765	3336	5576	6651	2166	5241	8711	5801	4943
64 1992 Regional Report Surplus Deficit	4183	4454	6043	2099	2217	273	367	3138	4855	2262	3210	7535	1636	2438
65 1993 Regional Report Surplus Deficit	1401	1392	4633	1760	2350	449	-1296	-523	4056	1915	5251	8963	5678	4514
66 1994 Regional Report Surplus Deficit	2998	2439	5924	2349	3100	763	-514	1083	3930	2091	4668	8488	4520	4089
67 1995 Regional Report Surplus Deficit	2371	1526	5504	2092	2006	981	1372	3979	5764	1960	4987	9246	6223	4892
68 1996 Regional Report Surplus Deficit	3280	2700	6625	4267	5679	4325	4463	7163	7718	2616	7051	9113	6072	5156
69 1997 Regional Report Surplus Deficit	4180	4452	6799	2744	3902	2875	4416	6670	7533	2267	6644	8823	5961	5385
70 1998 Regional Report Surplus Deficit	4348	5079	7761	7129	5327	2111	1867	4895	5270	2030	5662	9104	6559	5041
71 1999 Regional Report Surplus Deficit	4318	3887	6365	2493	2244	2779	4005	6582	7405	2134	6266	8833	6603	5578
72 2000 Regional Report Surplus Deficit	4682	5306	7224	2800	5523	3213	2817	4785	6537	2537	6606	9022	4884	4743
73 2001 Regional Report Surplus Deficit	4098	2843	5546	2507	2569	556	-391	1170	2341	1680	2927	7459	-26.4	2197
74 2002 Regional Report Surplus Deficit	1384	1250	4313	743	2190	966	-84.1	1529	3989	2235	6093	8727	6086	5047
75 2003 Regional Report Surplus Deficit	3547	3267	5830	2393	2950	587	-350	1189	6081	2065	5397	8576	6095	3956
76 2004 Regional Report Surplus Deficit	2163	1732	5122	2040	3356	1655	472	959	4326	1710	4881	8709	5089	4516
77 2005 Regional Report Surplus Deficit	1782	2613	6410	3016	3326	1809	1400	4077	3486	1562	4405	8715	5294	4436
78 2006 Regional Report Surplus Deficit	2926	1942	5743	1818	3212	1630	3214	5334	6360	2355	6509	9049	6312	4854
79 2007 Regional Report Surplus Deficit	3094	2435	5427	1712	3751	1779	2525	3844	7315	2034	5295	8835	5183	4962
80 2008 Regional Report Surplus Deficit	3069	1979	5065	1985	2949	709	637	1984	4401	2198	2742	8818	6689	5150
Ranked Averages														
81 Bottom 10 pct	1575	1614	5054	1967	2924	1369	692	2677	4298	1901	4682	8610	5268	4313
82 Middle 80 pct	3438	3234	6178	2862	3469	1872	2034	4134	5744	2197	5398	8746	5413	4604
83 Top 10 pct	4459	4981	7528	3783	4191	2058	2280	4510	5260	2270	5276	8546	5181	4731

**Regional Report Surplus Deficit By Water Year
Operating Year 2024**

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	3281	3351	5730	2074	2397	23.3	-674	1022	2296	3082	4287	6332	5666	424
2 1930 Regional Report Surplus Deficit	2087	1562	5446	2052	2355	-70.6	-1540	1609	2569	3783	4474	6116	3897	2849
3 1931 Regional Report Surplus Deficit	2229	1268	5082	1957	2688	-50.1	-2238	-298	3558	3797	131	7035	2756	3214
4 1932 Regional Report Surplus Deficit	2303	1228	5168	1428	1179	-20.5	-1605	-979	5119	7645	6419	8330	6899	4286
5 1933 Regional Report Surplus Deficit	3362	3100	6165	2068	2065	1840	2525	4667	6025	5435	5403	7572	7238	5100
6 1934 Regional Report Surplus Deficit	3825	4320	6404	3442	5223	3734	4125	6342	7178	7523	6081	7706	5335	3240
7 1935 Regional Report Surplus Deficit	1436	1304	4495	1800	1279	484	2503	4089	6092	3759	5656	7671	6129	4467
8 1936 Regional Report Surplus Deficit	3718	2710	5422	1975	2198	-146	-1806	947	3133	4317	6305	8613	6779	3586
9 1937 Regional Report Surplus Deficit	2336	1726	5228	2034	2564	-88.1	-1922	-234	2020	3221	747	7286	5127	2032
10 1938 Regional Report Surplus Deficit	2494	1684	5507	1959	2242	903	2279	4136	6606	7446	6817	8218	6628	4433
11 1939 Regional Report Surplus Deficit	1697	2201	5744	2112	1932	35.9	1247	2328	4227	5627	5978	8283	4832	3289
12 1940 Regional Report Surplus Deficit	2159	1437	5159	2127	3000	1388	406	2539	6985	5964	5516	8116	5196	2701
13 1941 Regional Report Surplus Deficit	1389	1234	4747	1750	2296	705	-523	1241	2865	2421	3700	6654	4303	1997
14 1942 Regional Report Surplus Deficit	1330	823	5128	1527	3212	2282	1885	3127	3953	4006	5302	7421	6081	4592
15 1943 Regional Report Surplus Deficit	3059	3291	6212	2226	1268	1147	2835	4771	6722	8181	6959	8139	7284	4966
16 1944 Regional Report Surplus Deficit	3480	3237	5845	2174	2427	139	-245	1228	2028	3020	4038	4851	2088	710
17 1945 Regional Report Surplus Deficit	925	725	4201	1327	1929	-114	-1525	655	2613	2961	749	7822	6103	1552
18 1946 Regional Report Surplus Deficit	1633	1650	5437	1935	2492	1445	2076	3829	6308	7646	6798	8235	6552	4751
19 1947 Regional Report Surplus Deficit	3848	4160	6449	1989	3585	3375	3595	5653	7080	6867	5961	8318	6531	4574
20 1948 Regional Report Surplus Deficit	3267	2922	6247	6492	5068	2466	3377	4757	6427	6315	6401	8302	6672	4835
21 1949 Regional Report Surplus Deficit	3744	4448	6803	2661	3100	1110	1555	2725	7246	6924	6642	8469	6685	2115
22 1950 Regional Report Surplus Deficit	1626	1712	4697	1745	1724	1327	3212	6118	7319	7863	6276	7780	7310	5523
23 1951 Regional Report Surplus Deficit	3890	4540	6760	4038	5478	3581	4100	6918	7428	7930	6395	8009	6623	4812
24 1952 Regional Report Surplus Deficit	3838	3257	6383	5702	4515	2503	2973	5280	6847	7938	7055	8457	6827	4516
25 1953 Regional Report Surplus Deficit	3172	2691	5173	2085	2326	64.0	1.99	5976	5463	4514	5465	8190	7315	5082
26 1954 Regional Report Surplus Deficit	3188	3723	6411	2569	3543	1951	2823	6108	6901	6667	6094	8103	6769	5275
27 1955 Regional Report Surplus Deficit	3957	4578	7628	2738	4502	1773	745	2711	1649	4145	4698	7483	7360	5358
28 1956 Regional Report Surplus Deficit	3797	4091	6120	3115	4960	3378	3940	6428	6921	7711	6444	8181	7180	5027
29 1957 Regional Report Surplus Deficit	3817	4350	6514	3030	3043	2199	2057	2273	6831	7995	5856	8707	7155	4189
30 1958 Regional Report Surplus Deficit	3210	2483	5688	2092	2569	1122	2515	4680	6218	5891	6468	8393	6986	3870
31 1959 Regional Report Surplus Deficit	3280	2123	5650	2407	4337	3059	3820	5961	7036	7588	5867	7943	6911	5001
32 1960 Regional Report Surplus Deficit	3845	4393	7617	7382	5308	2734	2410	4188	6512	8135	6251	7873	6787	4333
33 1961 Regional Report Surplus Deficit	3665	2650	5876	2462	3352	1376	2223	4983	7238	6571	5481	7902	6518	3650
34 1962 Regional Report Surplus Deficit	3026	2442	5426	1792	2737	1218	2089	4108	3534	7909	6648	8132	6518	4037
35 1963 Regional Report Surplus Deficit	3475	3289	5730	3497	4562	2820	2706	4772	5118	4375	5281	8489	6470	4305
36 1964 Regional Report Surplus Deficit	3126	2870	6532	2025	2710	1370	1107	2351	4070	7095	5137	7811	7217	5286
37 1965 Regional Report Surplus Deficit	3839	4236	7129	3849	4156	3414	4036	6649	6936	6255	6721	8009	6495	4555
38 1966 Regional Report Surplus Deficit	3833	4212	5891	2980	3353	1665	1886	3549	4501	7807	5818	7351	6180	4341
39 1967 Regional Report Surplus Deficit	3491	2751	5826	1938	2259	2118	3519	5713	6854	5823	2354	7774	6824	4980
40 1968 Regional Report Surplus Deficit	3737	3881	6384	2662	3857	1696	2684	5552	6922	3864	4264	7218	6623	4524
41 1969 Regional Report Surplus Deficit	3694	3829	7211	4189	5140	2494	3776	6049	6837	7806	6508	8410	6935	4596
42 1970 Regional Report Surplus Deficit	3088	2279	6068	2861	3235	918	2541	4388	5303	4867	4956	8182	7186	3328
43 1971 Regional Report Surplus Deficit	3027	2039	5550	2055	2296	1808	3930	6470	7463	7744	6252	8203	7254	5276
44 1972 Regional Report Surplus Deficit	4123	4686	6817	3298	3527	2063	3815	6674	7346	8056	6294	8139	6782	5164
45 1973 Regional Report Surplus Deficit	3863	4502	6989	3072	3588	1714	2336	2949	3376	3083	3616	6711	3560	2280
46 1974 Regional Report Surplus Deficit	1671	1700	5090	1966	2448	2470	4290	6512	6998	7834	6455	7626	7017	5646
47 1975 Regional Report Surplus Deficit	3946	4532	6807	1943	2052	1104	2596	4537	6646	4507	4896	7999	7294	5334
48 1976 Regional Report Surplus Deficit	3797	4131	6989	4548	5309	3888	3952	6240	7139	7739	6208	8263	6988	5069
49 1977 Regional Report Surplus Deficit	4060	4657	7858	3117	2639	199	198	1535	1951	2542	2800	4488	1531	947
50 1978 Regional Report Surplus Deficit	828	541	3864	615	1971	1398	2149	4223	5736	7547	6039	8248	6042	4618
51 1979 Regional Report Surplus Deficit	3332	3164	7004	3188	3346	601	129	3599	5843	4182	5327	8502	5957	1326
52 1980 Regional Report Surplus Deficit	1626	1194	5605	2122	2390	-9.95	1364	1522	3322	5489	6275	8729	6766	3762
53 1981 Regional Report Surplus Deficit	1505	1647	5772	2071	3153	2831	3448	5622	5463	2872	5086	8047	6983	4602
54 1982 Regional Report Surplus Deficit	3748	4298	6407	2466	3816	1596	3100	6726	7413	7874	5974	7819	7348	5648

Regional Report Surplus Deficit By Water Year

Operating Year 2024

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Regional Report Surplus Deficit	3969	4554	7420	4342	4064	2212	3556	6141	7582	7369	5766	7946	6852	5012
56 1984 Regional Report Surplus Deficit	3945	4416	6936	2894	5560	2496	3247	5745	7197	7999	6314	8158	7418	4882
57 1985 Regional Report Surplus Deficit	4069	3685	6956	3024	4044	1717	1750	3269	4683	6819	6069	8173	5688	2918
58 1986 Regional Report Surplus Deficit	1211	1765	5413	3480	4572	1723	2656	5813	7669	7679	6358	7982	6486	4045
59 1987 Regional Report Surplus Deficit	3093	1613	5400	2032	3441	1737	962	2347	5329	3333	4889	7843	5479	2610
60 1988 Regional Report Surplus Deficit	1819	1638	4980	1593	1294	-245	-1253	-459	3170	3312	4728	7347	4577	3628
61 1989 Regional Report Surplus Deficit	2226	1674	5196	1743	2652	1025	-397	113	5366	6130	6410	8080	5936	3249
62 1990 Regional Report Surplus Deficit	1991	1603	5353	2086	3275	1907	2164	5116	6743	5729	6581	7791	6811	4404
63 1991 Regional Report Surplus Deficit	3639	3823	5673	1858	5193	2439	3185	5314	6578	6966	5344	7884	6519	4693
64 1992 Regional Report Surplus Deficit	3781	4017	5711	1797	1904	-96.2	202	2854	4939	2914	3317	6464	2897	1343
65 1993 Regional Report Surplus Deficit	943	891	4258	1454	2039	86.4	-1563	-677	4134	4304	5357	8138	6414	3617
66 1994 Regional Report Surplus Deficit	2554	1967	5591	2042	2791	406	-739	858	4000	3259	4777	7472	5356	3118
67 1995 Regional Report Surplus Deficit	1915	1021	5171	1784	1693	623	1226	3877	5665	6569	5094	8419	6950	4290
68 1996 Regional Report Surplus Deficit	2830	2231	6320	3950	5373	3980	4265	6989	7555	8056	7104	8268	6790	4898
69 1997 Regional Report Surplus Deficit	3791	4016	6491	2434	3593	2545	4217	6495	7359	7707	6711	7989	6683	5113
70 1998 Regional Report Surplus Deficit	3959	4614	7494	6821	5024	1767	1729	4611	5356	5287	5762	8299	7195	4503
71 1999 Regional Report Surplus Deficit	3937	3445	6033	2190	1930	2448	3810	6401	7231	6806	6345	8007	7322	5314
72 2000 Regional Report Surplus Deficit	4218	4840	6937	2490	5217	2889	2688	4500	6537	7976	6676	8189	5772	4165
73 2001 Regional Report Surplus Deficit	3711	2328	5186	2200	2257	194	-566	925	2336	2655	3029	6104	1848	1040
74 2002 Regional Report Surplus Deficit	927	750	3937	453	1878	610	-289	1285	4069	5476	6171	7882	6797	4753
75 2003 Regional Report Surplus Deficit	3115	2822	5493	2082	2639	225	-570	960	6125	5332	5499	7733	6808	2920
76 2004 Regional Report Surplus Deficit	1670	1199	4753	1733	3049	1313	302	749	4412	4304	4989	7846	5865	3655
77 2005 Regional Report Surplus Deficit	1283	2134	6110	2700	3017	1470	1266	3790	3555	3127	4514	7886	6058	3514
78 2006 Regional Report Surplus Deficit	2489	1450	5396	1515	2904	1286	3076	5058	6341	7795	6577	8217	7025	4203
79 2007 Regional Report Surplus Deficit	2634	1925	5062	1418	3444	1435	2395	3555	7222	7141	5400	8007	5945	4439
80 2008 Regional Report Surplus Deficit	2610	1451	4694	1676	2641	350	475	1718	4488	4990	2837	7981	7349	4714
Ranked Averages														
81 Bottom 10 pct	1104	1108	4707	1663	2614	1020	507	2432	4324	4690	4774	7754	6035	3586
82 Middle 80 pct	3014	2761	5851	2554	3159	1526	1867	3897	5711	5984	5486	7844	6228	3983
83 Top 10 pct	4038	4518	7240	3472	3884	1716	2135	4247	5219	5838	5370	7589	6059	4175

Regional Report Surplus Deficit By Water Year

Operating Year 2025

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	2906	2861	5227	1680	2199	-258	-1032	623	1853	1134	3258	6808	4027	1018
2 1930 Regional Report Surplus Deficit	1748	1132	4946	1666	2156	-351	-1849	1204	2127	876	3445	6801	1746	3044
3 1931 Regional Report Surplus Deficit	1873	829	4581	1571	2488	-336	-2504	-759	3022	954	-858	7291	392	3302
4 1932 Regional Report Surplus Deficit	1932	787	4669	1032	982	-304	-1896	-1502	4572	1348	5426	8299	5436	4082
5 1933 Regional Report Surplus Deficit	2982	2615	5637	1678	1868	1529	2105	4160	5690	1074	4377	7540	5863	4554
6 1934 Regional Report Surplus Deficit	3426	3843	5874	3062	5019	3419	3765	5876	6879	1226	5094	7672	3834	3287
7 1935 Regional Report Surplus Deficit	1140	886	4013	1413	1086	197	2082	3735	5635	1153	4633	7668	4586	4132
8 1936 Regional Report Surplus Deficit	3304	2262	4934	1583	2001	-428	-2072	545	2635	1169	5304	8588	5301	3653
9 1937 Regional Report Surplus Deficit	2011	1307	4745	1646	2365	-372	-2217	-678	1596	1053	-249	7465	3287	2418
10 1938 Regional Report Surplus Deficit	2154	1268	5008	1568	2045	613	1855	3782	6158	1464	5832	8191	5136	4179
11 1939 Regional Report Surplus Deficit	1406	1803	5230	1723	1736	-242	838	1963	3692	1170	4967	8266	3029	3408
12 1940 Regional Report Surplus Deficit	1831	1023	4666	1741	2799	1084	18.2	2171	6567	1266	4496	8115	3518	2936
13 1941 Regional Report Surplus Deficit	1080	850	4250	1358	2097	414	-861	839	2381	545	2673	6765	2560	2159
14 1942 Regional Report Surplus Deficit	972	385	4607	1131	3010	1965	1463	2774	3415	1045	4279	7428	4577	4096
15 1943 Regional Report Surplus Deficit	2670	2804	5671	1840	1075	853	2416	4415	6296	1884	5971	8104	5874	4420
16 1944 Regional Report Surplus Deficit	3086	2761	5346	1778	2230	-141	-624	834	1626	1124	3010	5709	-431	1133
17 1945 Regional Report Surplus Deficit	588	297	3705	933	1730	-399	-1809	217	2168	986	-241	7788	4622	2022
18 1946 Regional Report Surplus Deficit	1324	1229	4946	1540	2294	1146	1655	3478	5817	1349	5819	8210	5064	4343
19 1947 Regional Report Surplus Deficit	3435	3675	5918	1591	3383	3048	3205	5268	6720	1449	4946	8294	5045	4182
20 1948 Regional Report Surplus Deficit	2881	2463	5722	6102	4861	2148	2975	4395	5979	1334	5404	8252	5252	4321
21 1949 Regional Report Surplus Deficit	3354	3983	6254	2277	2900	814	1134	2366	6926	1479	5650	8438	5205	2497
22 1950 Regional Report Surplus Deficit	1338	1331	4244	1348	1528	1024	2803	5703	6955	1566	5272	7744	5884	5028
23 1951 Regional Report Surplus Deficit	3494	4073	6218	3658	5271	3254	3740	6452	7130	1633	5401	7989	5133	4273
24 1952 Regional Report Surplus Deficit	3425	2785	5857	5315	4310	2185	2560	4914	6438	1641	6069	8407	5346	4204
25 1953 Regional Report Surplus Deficit	2774	2248	4702	1692	2128	-219	-351	5585	4923	1198	4438	8154	5954	4535
26 1954 Regional Report Surplus Deficit	2819	3235	5883	2184	3342	1643	2401	5705	6531	1632	5079	8078	5287	4787
27 1955 Regional Report Surplus Deficit	3620	4123	7063	2354	4296	1463	355	2355	1268	1302	3669	7467	5906	4870
28 1956 Regional Report Surplus Deficit	3401	3604	5605	2734	4753	3052	3562	5987	6926	1414	5468	8142	5731	4482
29 1957 Regional Report Surplus Deficit	3403	3871	5985	2648	2844	1888	1633	1901	6397	1752	4838	8602	5724	4060
30 1958 Regional Report Surplus Deficit	2839	2025	5184	1701	2370	829	2092	4326	5747	1377	5460	8354	5503	3842
31 1959 Regional Report Surplus Deficit	2900	1674	5147	2021	4132	2734	3433	5552	6714	1504	4850	7908	5453	4464
32 1960 Regional Report Surplus Deficit	3450	3924	7073	7008	5104	2409	1989	3835	6046	1838	5247	7886	5305	3958
33 1961 Regional Report Surplus Deficit	3255	2211	5367	2077	3151	1076	1799	4623	6927	1319	4456	7879	5039	3598
34 1962 Regional Report Surplus Deficit	2660	1980	4924	1395	2538	920	1666	3756	3018	1613	5662	8097	5028	3924
35 1963 Regional Report Surplus Deficit	3076	2810	5234	3117	4356	2497	2292	4417	4573	1360	4254	8457	4975	3988
36 1964 Regional Report Surplus Deficit	2733	2403	5993	1631	2512	1071	704	1985	3531	1401	4108	7774	5837	4759
37 1965 Regional Report Surplus Deficit	3440	3760	6568	3469	3951	3088	3684	6183	6827	1539	5733	7983	5010	4208
38 1966 Regional Report Surplus Deficit	3424	3730	5381	2599	3152	1359	1466	3198	3955	1510	4796	7495	4677	3993
39 1967 Regional Report Surplus Deficit	3080	2296	5314	1547	2062	1807	3121	5319	6483	1433	1339	7739	5421	4437
40 1968 Regional Report Surplus Deficit	3325	3391	5848	2278	3655	1390	2261	5179	6523	944	3234	7406	5143	4086
41 1969 Regional Report Surplus Deficit	3280	3339	6638	3808	4934	2176	3401	5620	6489	1509	5525	8360	5463	4226
42 1970 Regional Report Surplus Deficit	2720	1824	5554	2478	3035	628	2117	4034	4758	1354	3927	8145	5686	3521
43 1971 Regional Report Surplus Deficit	2665	1595	5054	1665	2099	1503	3555	6005	7164	1447	5263	8171	5867	4728
44 1972 Regional Report Surplus Deficit	3722	4227	6278	2917	3327	1754	3430	6209	7346	1759	5294	8118	5342	4627
45 1973 Regional Report Surplus Deficit	3489	4046	6439	2690	3387	1412	1913	2593	2872	1321	2589	6886	1545	2531
46 1974 Regional Report Surplus Deficit	1333	1271	4597	1576	2251	2153	3942	6046	6988	1537	5463	7599	5567	5146
47 1975 Regional Report Surplus Deficit	3557	4077	6262	1544	1854	812	2173	4181	6192	1181	3867	7971	5837	4840
48 1976 Regional Report Surplus Deficit	3387	3641	6437	4167	5102	3567	3564	5815	6841	1442	5210	8203	5516	4517
49 1977 Regional Report Surplus Deficit	3746	4202	7355	2736	2441	-85.4	-195	1154	1569	1033	1780	5455	-1104	1277
50 1978 Regional Report Surplus Deficit	486	127	3404	208	1773	1098	1726	3869	5215	1250	5024	8221	4526	4222
51 1979 Regional Report Surplus Deficit	2944	2689	6438	2808	3145	315	-252	3248	5310	1106	4301	8465	4394	1813
52 1980 Regional Report Surplus Deficit	1306	786	5101	1734	2191	-287	953	1122	2831	1161	5269	8697	5308	3806
53 1981 Regional Report Surplus Deficit	1192	1219	5257	1682	2952	2508	3057	5236	4930	886	4058	8010	5534	4064
54 1982 Regional Report Surplus Deficit	3348	3832	5871	2079	3613	1294	2685	6261	7147	1577	4970	7797	5876	5203

Regional Report Surplus Deficit By Water Year

Operating Year 2025

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Regional Report Surplus Deficit	3571	4095	6849	3962	3861	1901	3151	5746	7284	1642	4749	7913	5380	4471
56 1984 Regional Report Surplus Deficit	3535	3940	6388	2510	5355	2180	2831	5367	6797	1702	5325	8128	5927	4376
57 1985 Regional Report Surplus Deficit	3655	3202	6408	2640	3841	1414	1331	2916	4133	1537	5063	8133	4088	3149
58 1986 Regional Report Surplus Deficit	934	1384	4924	3100	4367	1416	2233	5434	7370	1382	5373	7951	5003	3989
59 1987 Regional Report Surplus Deficit	2725	1193	4907	1636	3240	1431	566	1979	4784	1101	3859	7829	3932	2886
60 1988 Regional Report Surplus Deficit	1507	1253	4504	1201	1096	-522	-1565	-937	2661	1160	3698	7563	2608	3646
61 1989 Regional Report Surplus Deficit	1874	1242	4702	1348	2453	729	-741	-356	4822	1535	5422	8044	4378	3413
62 1990 Regional Report Surplus Deficit	1673	1190	4864	1697	3073	1595	1741	4736	6345	1353	5590	7775	5323	4118
63 1991 Regional Report Surplus Deficit	3225	3333	5172	1463	4987	2118	2784	4936	6190	1309	4321	7846	5042	4139
64 1992 Regional Report Surplus Deficit	3388	3530	5206	1402	1707	-374	-185	2498	4394	1405	2290	6670	876	1634
65 1993 Regional Report Surplus Deficit	606	469	3796	1063	1840	-199	-1848	-1163	3595	1058	4331	8099	4919	3709
66 1994 Regional Report Surplus Deficit	2203	1516	5087	1652	2590	116	-1066	443	3469	1234	3748	7623	3761	3285
67 1995 Regional Report Surplus Deficit	1577	602	4667	1395	1496	334	820	3339	5303	1103	4067	8381	5464	4088
68 1996 Regional Report Surplus Deficit	2486	1777	5788	3570	5169	3678	3911	6524	7257	1759	6130	8248	5312	4352
69 1997 Regional Report Surplus Deficit	3385	3529	5962	2047	3392	2228	3864	6030	7265	1410	5723	7958	5201	4581
70 1998 Regional Report Surplus Deficit	3553	4156	6924	6432	4817	1464	1315	4255	4809	1173	4742	8240	5800	4237
71 1999 Regional Report Surplus Deficit	3523	2964	5528	1796	1734	2132	3453	5942	7110	1277	5345	7968	5844	4774
72 2000 Regional Report Surplus Deficit	3887	4383	6387	2104	5013	2566	2265	4145	6076	1680	5685	8157	4124	3938
73 2001 Regional Report Surplus Deficit	3303	1919	4708	1811	2060	-90.6	-943	530	1880	823	2006	6594	-786	1393
74 2002 Regional Report Surplus Deficit	590	326	3476	46.3	1681	319	-636	889	3528	1377	5173	7862	5326	4243
75 2003 Regional Report Surplus Deficit	2753	2343	4993	1696	2440	-60.2	-903	549	5620	1208	4476	7711	5336	3151
76 2004 Regional Report Surplus Deficit	1368	809	4284	1344	2846	1008	-80.6	319	3865	853	3961	7844	4330	3712
77 2005 Regional Report Surplus Deficit	987	1689	5573	2319	2817	1162	848	3437	3025	705	3485	7851	4535	3631
78 2006 Regional Report Surplus Deficit	2132	1019	4906	1121	2702	983	2662	4695	5899	1498	5589	8185	5552	4050
79 2007 Regional Report Surplus Deficit	2299	1512	4590	1016	3241	1132	1972	3204	6854	1177	4375	7970	4423	4158
80 2008 Regional Report Surplus Deficit	2274	1056	4228	1288	2439	62.1	84.8	1344	3940	1341	1821	7953	5930	4346

Ranked Averages

81 Bottom 10 pct	780	691	4217	1270	2414	722	139	2037	3837	1044	3762	7746	4508	3509
82 Middle 80 pct	2644	2310	5340	2166	2959	1225	1482	3494	5300	1340	4477	7882	4653	3800
83 Top 10 pct	3664	4058	6691	3086	3681	1411	1728	3870	4835	1413	4356	7682	4422	3926

Regional Report Surplus Deficit By Water Year

Operating Year 2026

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	2508	2583	4917	1425	1933	-1630	-2139	-569	862	1227	2946	5489	4139	-1261
2 1930 Regional Report Surplus Deficit	1314	794	4633	1403	1891	-1724	-3006	17.9	1135	1929	3133	5273	2369	1164
3 1931 Regional Report Surplus Deficit	1455	500	4268	1308	2224	-1704	-3703	-1889	2123	1943	-1210	6193	1228	1529
4 1932 Regional Report Surplus Deficit	1530	460	4355	779	715	-1674	-3070	-2570	3684	5790	5078	7487	5372	2600
5 1933 Regional Report Surplus Deficit	2589	2332	5352	1419	1601	186	1060	3076	4591	3581	4062	6729	5711	3415
6 1934 Regional Report Surplus Deficit	3052	3552	5591	2793	4759	2080	2659	4751	5743	5668	4741	6863	3807	1554
7 1935 Regional Report Surplus Deficit	663	535	3681	1151	815	-1169	1038	2498	4658	1905	4315	6828	4601	2782
8 1936 Regional Report Surplus Deficit	2945	1942	4609	1326	1734	-1799	-3271	-644	1699	2463	4964	7771	5252	1901
9 1937 Regional Report Surplus Deficit	1563	958	4415	1385	2101	-1742	-3387	-1825	585	1366	-594	6443	3600	347
10 1938 Regional Report Surplus Deficit	1721	916	4694	1310	1779	-751	813	2545	5171	5592	5476	7375	5101	2747
11 1939 Regional Report Surplus Deficit	924	1433	4931	1463	1469	-1618	-218	737	2793	3772	4637	7441	3304	1603
12 1940 Regional Report Surplus Deficit	1386	668	4345	1478	2536	-266	-1060	948	5551	4110	4175	7273	3669	1016
13 1941 Regional Report Surplus Deficit	616	466	3934	1101	1832	-948	-1989	-350	1430	567	2359	5811	2775	312
14 1942 Regional Report Surplus Deficit	557	54.8	4315	878	2749	628	420	1536	2518	2152	3961	6579	4553	2906
15 1943 Regional Report Surplus Deficit	2286	2523	5398	1577	804	-507	1370	3181	5288	6326	5618	7296	5757	3281
16 1944 Regional Report Surplus Deficit	2707	2469	5032	1525	1963	-1515	-1710	-363	594	1166	2697	4008	561	-976
17 1945 Regional Report Surplus Deficit	152	-43.5	3388	678	1465	-1768	-2991	-935	1179	1107	-592	6979	4576	-133
18 1946 Regional Report Surplus Deficit	860	882	4624	1286	2028	-209	611	2238	4874	5792	5458	7392	5025	3066
19 1947 Regional Report Surplus Deficit	3075	3392	5636	1340	3121	1721	2130	4062	5645	5012	4620	7475	5004	2888
20 1948 Regional Report Surplus Deficit	2494	2154	5434	5843	4604	812	1911	3166	4992	4460	5060	7460	5145	3149
21 1949 Regional Report Surplus Deficit	2971	3680	5990	2012	2636	-543	89.9	1134	5811	5069	5301	7626	5157	429
22 1950 Regional Report Surplus Deficit	853	944	3883	1096	1260	-327	1747	4527	5884	6009	4935	6937	5782	3838
23 1951 Regional Report Surplus Deficit	3116	3772	5947	3389	5014	1927	2634	5327	5994	6076	5054	7166	5095	3127
24 1952 Regional Report Surplus Deficit	3065	2489	5569	5053	4052	849	1507	3689	5413	6083	5715	7614	5299	2830
25 1953 Regional Report Surplus Deficit	2399	1923	4360	1436	1862	-1590	-1463	4385	4029	2660	4125	7348	5787	3397
26 1954 Regional Report Surplus Deficit	2415	2955	5597	1920	3079	297	1358	4517	5466	4812	4753	7260	5242	3590
27 1955 Regional Report Surplus Deficit	3184	3810	6815	2089	4038	120	-720	1120	214	2291	3357	6640	5833	3672
28 1956 Regional Report Surplus Deficit	3024	3323	5307	2466	4496	1724	2474	4837	5796	5857	5103	7338	5653	3342
29 1957 Regional Report Surplus Deficit	3044	3582	5701	2381	2580	545	591	682	5397	6141	4515	7864	5627	2503
30 1958 Regional Report Surplus Deficit	2437	1715	4874	1443	2105	-532	1050	3089	4783	4036	5127	7551	5459	2185
31 1959 Regional Report Surplus Deficit	2507	1355	4837	1758	3873	1406	2355	4370	5602	5734	4526	7100	5384	3316
32 1960 Regional Report Surplus Deficit	3072	3625	6803	6733	4844	1080	944	2597	5077	6280	4910	7030	5260	2648
33 1961 Regional Report Surplus Deficit	2892	1882	5062	1813	2888	-277	757	3392	5803	4716	4140	7060	4990	1964
34 1962 Regional Report Surplus Deficit	2253	1674	4612	1143	2273	-435	624	2518	2100	6055	5307	7289	4991	2352
35 1963 Regional Report Surplus Deficit	2702	2520	4917	2848	4098	1166	1240	3182	3683	2521	3941	7647	4943	2619
36 1964 Regional Report Surplus Deficit	2353	2102	5719	1376	2247	-283	-359	760	2635	5240	3796	6969	5690	3601
37 1965 Regional Report Surplus Deficit	3066	3468	6316	3200	3692	1760	2571	5058	5691	4400	5380	7167	4967	2870
38 1966 Regional Report Surplus Deficit	3060	3444	5078	2331	2889	11.0	421	1958	3066	5952	4477	6509	4653	2655
39 1967 Regional Report Surplus Deficit	2718	1983	5012	1289	1795	465	2054	4122	5420	3968	1013	6931	5297	3295
40 1968 Regional Report Surplus Deficit	2964	3113	5570	2013	3393	42.4	1219	3961	5487	2010	2923	6375	5096	2839
41 1969 Regional Report Surplus Deficit	2920	3061	6397	3540	4677	840	2311	4458	5402	5951	5167	7567	5408	2910
42 1970 Regional Report Surplus Deficit	2314	1511	5255	2212	2771	-735	1076	2797	3868	3012	3615	7340	5659	1642
43 1971 Regional Report Surplus Deficit	2254	1271	4736	1406	1832	155	2465	4879	6028	5889	4911	7360	5727	3590
44 1972 Regional Report Surplus Deficit	3350	3918	6004	2649	3063	409	2350	5083	6248	6201	4953	7296	5255	3479
45 1973 Regional Report Surplus Deficit	3089	3734	6175	2423	3124	60.2	871	1358	1942	1228	2275	5868	2033	594
46 1974 Regional Report Surplus Deficit	897	932	4276	1317	1985	816	2825	4921	5889	5979	5114	6783	5490	3961
47 1975 Regional Report Surplus Deficit	3172	3764	5994	1294	1588	-550	1130	2946	5211	2652	3556	7156	5766	3649
48 1976 Regional Report Surplus Deficit	3023	3363	6176	3899	4845	2234	2487	4649	5705	5884	4868	7421	5460	3384
49 1977 Regional Report Surplus Deficit	3287	3889	7045	2468	2175	-1454	-1267	-55.5	516	688	1460	3646	3.23	-738
50 1978 Regional Report Surplus Deficit	55.2	-227	3051	-34.0	1507	-255	684	2632	4302	5692	4698	7405	4514	2932
51 1979 Regional Report Surplus Deficit	2559	2396	6191	2539	2882	-1053	-1336	2008	4409	2328	3986	7659	4430	-359
52 1980 Regional Report Surplus Deficit	853	426	4791	1473	1926	-1664	-101	-68.6	1888	3634	4935	7886	5239	2076
53 1981 Regional Report Surplus Deficit	732	878	4959	1422	2689	1177	1982	4031	4029	1018	3745	7205	5456	2916
54 1982 Regional Report Surplus Deficit	2974	3530	5593	1817	3352	-57.9	1635	5136	6011	6020	4633	6976	5821	3963

Regional Report Surplus Deficit By Water Year

Operating Year 2026

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Regional Report Surplus Deficit	3196	3786	6606	3693	3601	559	2091	4550	6148	5515	4425	7103	5325	3326
56 1984 Regional Report Surplus Deficit	3171	3648	6122	2245	5096	842	1781	4154	5762	6144	4973	7315	5891	3197
57 1985 Regional Report Surplus Deficit	3296	2917	6143	2375	3580	63.5	285	1678	3248	4965	4728	7330	4161	1232
58 1986 Regional Report Surplus Deficit	438	997	4599	2831	4109	69.6	1191	4222	6234	5824	5017	7139	4959	2360
59 1987 Regional Report Surplus Deficit	2320	845	4587	1383	2977	83.2	-503	756	3895	1479	3548	7001	3951	925
60 1988 Regional Report Surplus Deficit	1046	869	4167	944	830	-1899	-2718	-2050	1735	1457	3387	6505	3049	1943
61 1989 Regional Report Surplus Deficit	1453	906	4383	1094	2188	-628	-1862	-1478	3931	4275	5069	7237	4409	1563
62 1990 Regional Report Surplus Deficit	1218	835	4540	1437	2811	254	699	3526	5308	3875	5240	6949	5284	2719
63 1991 Regional Report Surplus Deficit	2866	3055	4860	1209	4729	786	1720	3723	5144	5111	4003	7041	4991	3008
64 1992 Regional Report Surplus Deficit	3008	3249	4897	1148	1441	-1750	-1264	1263	3505	1060	1976	5621	1369	-343
65 1993 Regional Report Surplus Deficit	170	123	3444	805	1575	-1567	-3028	-2268	2700	2450	4017	7295	4886	1931
66 1994 Regional Report Surplus Deficit	1781	1199	4778	1393	2327	-1248	-2204	-732	2565	1405	3437	6629	3829	1433
67 1995 Regional Report Surplus Deficit	1141	253	4357	1135	1229	-1031	-239	2286	4230	4715	3753	7576	5423	2605
68 1996 Regional Report Surplus Deficit	2057	1462	5507	3301	4909	2326	2800	5398	6121	6201	5764	7425	5262	3213
69 1997 Regional Report Surplus Deficit	3018	3248	5677	1785	3130	892	2751	4904	6129	5852	5370	7146	5156	3427
70 1998 Regional Report Surplus Deficit	3185	3846	6681	6172	4560	113	263	3020	3921	3433	4422	7456	5668	2818
71 1999 Regional Report Surplus Deficit	3164	2677	5220	1541	1466	794	2344	4810	5974	4952	5004	7164	5794	3629
72 2000 Regional Report Surplus Deficit	3444	4072	6124	1841	4753	1235	1222	2909	5102	6122	5335	7346	4245	2480
73 2001 Regional Report Surplus Deficit	2938	1560	4373	1551	1793	-1460	-2031	-666	901	801	1688	5262	321	-646
74 2002 Regional Report Surplus Deficit	154	-17.8	3124	-196	1414	-1044	-1755	-306	2635	3621	4830	7040	5270	3068
75 2003 Regional Report Surplus Deficit	2342	2054	4679	1433	2176	-1429	-2035	-631	4691	3478	4158	6890	5280	1235
76 2004 Regional Report Surplus Deficit	897	430	3939	1084	2585	-341	-1163	-841	2977	2450	3648	7003	4338	1970
77 2005 Regional Report Surplus Deficit	509	1366	5297	2051	2554	-184	-199	2199	2121	1273	3173	7043	4531	1828
78 2006 Regional Report Surplus Deficit	1716	682	4583	866	2440	-368	1610	3467	4907	5940	5236	7374	5497	2517
79 2007 Regional Report Surplus Deficit	1861	1157	4248	769	2980	-218	929	1965	5788	5287	4059	7165	4417	2754
80 2008 Regional Report Surplus Deficit	1837	683	3881	1027	2177	-1303	-990	127	3054	3136	1497	7138	5822	3028
Ranked Averages														
81 Bottom 10 pct	331	340	3894	1014	2151	-634	-958	841	2890	2836	3433	6911	4508	1901
82 Middle 80 pct	2241	1993	5038	1905	2696	-127	401	2307	4296	4129	4145	7001	4700	2298
83 Top 10 pct	3265	3750	6426	2823	3420	61.8	669	2657	3826	3983	4029	6747	4532	2490

Regional Report Surplus Deficit By Water Year

Operating Year 2027

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	1263	1359	3830	311	944	-1854	-2532	-844	496	864	2640	5902	2489	-631
2 1930 Regional Report Surplus Deficit	105	-370	3549	297	901	-1947	-3348	-263	770	606	2826	5895	208	1396
3 1931 Regional Report Surplus Deficit	230	-673	3184	202	1232	-1932	-4004	-2226	1665	684	-1476	6386	-1147	1654
4 1932 Regional Report Surplus Deficit	289	-716	3272	-337	-273	-1900	-3396	-2969	3215	1078	4808	7393	3898	2434
5 1933 Regional Report Surplus Deficit	1339	1112	4240	309	613	-66.8	605	2693	4333	804	3758	6635	4325	2905
6 1934 Regional Report Surplus Deficit	1783	2341	4478	1694	3764	1823	2266	4409	5522	956	4476	6766	2296	1638
7 1935 Regional Report Surplus Deficit	-503	-617	2616	44.2	-169	-1398	582	2268	4278	884	4014	6762	3048	2484
8 1936 Regional Report Surplus Deficit	1661	760	3537	214	745	-2024	-3572	-922	1278	899	4686	7683	3763	2005
9 1937 Regional Report Surplus Deficit	368	-196	3348	277	1109	-1968	-3716	-2145	239	783	-868	6559	1748	770
10 1938 Regional Report Surplus Deficit	511	-234	3611	199	790	-983	355	2316	4801	1194	5214	7285	3597	2530
11 1939 Regional Report Surplus Deficit	-237	300	3833	354	481	-1838	-662	496	2335	901	4348	7360	1491	1759
12 1940 Regional Report Surplus Deficit	188	-479	3269	372	1543	-512	-1481	704	5210	997	3878	7210	1980	1288
13 1941 Regional Report Surplus Deficit	-562	-652	2853	-10.5	841	-1182	-2361	-628	1023	275	2055	5860	1022	510
14 1942 Regional Report Surplus Deficit	-671	-1118	3210	-238	1755	369	-36.6	1307	2058	776	3660	6523	3039	2448
15 1943 Regional Report Surplus Deficit	1027	1301	4274	471	-180	-743	917	2948	4939	1614	5353	7199	4336	2771
16 1944 Regional Report Surplus Deficit	1443	1259	3949	410	974	-1737	-2123	-632	269	854	2392	4803	-1970	-516
17 1945 Regional Report Surplus Deficit	-1055	-1205	2308	-435	475	-1995	-3308	-1250	811	716	-860	6883	3084	373
18 1946 Regional Report Surplus Deficit	-319	-274	3549	171	1039	-450	156	2011	4460	1080	5200	7305	3525	2694
19 1947 Regional Report Surplus Deficit	1792	2172	4522	222	2128	1452	1705	3801	5363	1180	4327	7388	3507	2533
20 1948 Regional Report Surplus Deficit	1239	960	4325	4733	3605	552	1475	2928	4622	1065	4786	7347	3714	2673
21 1949 Regional Report Surplus Deficit	1712	2481	4857	909	1645	-782	-366	899	5569	1210	5032	7533	3666	849
22 1950 Regional Report Surplus Deficit	-305	-172	2848	-20.3	272	-572	1304	4236	5598	1297	4654	6839	4345	3380
23 1951 Regional Report Surplus Deficit	1851	2570	4822	2289	4016	1658	2241	4985	5773	1364	4782	7084	3595	2624
24 1952 Regional Report Surplus Deficit	1782	1282	4460	3947	3055	589	1060	3447	5080	1371	5450	7501	3808	2556
25 1953 Regional Report Surplus Deficit	1131	746	3305	323	873	-1815	-1851	4118	3565	928	3819	7249	4416	2887
26 1954 Regional Report Surplus Deficit	1176	1732	4486	815	2087	47.0	902	4238	5173	1363	4460	7173	3749	3139
27 1955 Regional Report Surplus Deficit	1978	2620	5666	985	3040	-133	-1144	888	-89.4	1032	3050	6562	4368	3222
28 1956 Regional Report Surplus Deficit	1758	2101	4208	1365	3498	1456	2063	4520	5575	1145	4849	7236	4193	2834
29 1957 Regional Report Surplus Deficit	1761	2369	4588	1280	1589	292	134	434	5039	1483	4220	7697	4186	2412
30 1958 Regional Report Surplus Deficit	1196	522	3787	332	1115	-767	592	2859	4390	1107	4842	7449	3965	2194
31 1959 Regional Report Surplus Deficit	1257	171	3750	653	2877	1138	1934	4086	5357	1234	4231	7002	3915	2815
32 1960 Regional Report Surplus Deficit	1807	2421	5676	5639	3849	813	490	2368	4689	1568	4629	6980	3767	2310
33 1961 Regional Report Surplus Deficit	1613	709	3971	708	1896	-520	300	3156	5570	1050	3838	6973	3500	1950
34 1962 Regional Report Surplus Deficit	1017	477	3527	26.5	1283	-676	166	2289	1660	1343	5043	7192	3490	2276
35 1963 Regional Report Surplus Deficit	1433	1307	3837	1748	3101	901	792	2950	3216	1090	3636	7551	3436	2340
36 1964 Regional Report Surplus Deficit	1090	901	4596	263	1257	-525	-795	518	2174	1132	3490	6869	4299	3110
37 1965 Regional Report Surplus Deficit	1798	2257	5171	2100	2696	1492	2184	4716	5470	1270	5115	7077	3472	2560
38 1966 Regional Report Surplus Deficit	1781	2228	3984	1230	1897	-237	-33.9	1731	2598	1240	4178	6590	3139	2344
39 1967 Regional Report Surplus Deficit	1437	794	3917	178	807	211	1622	3852	5125	1163	720	6833	3883	2788
40 1968 Regional Report Surplus Deficit	1682	1888	4451	910	2399	-206	762	3712	5166	675	2616	6500	3605	2437
41 1969 Regional Report Surplus Deficit	1637	1837	5241	2440	3678	580	1901	4153	5132	1239	4906	7455	3925	2577
42 1970 Regional Report Surplus Deficit	1077	322	4157	1109	1779	-968	618	2567	3401	1085	3309	7239	4148	1872
43 1971 Regional Report Surplus Deficit	1022	92.2	3658	296	844	-93.1	2055	4538	5807	1177	4645	7265	4329	3079
44 1972 Regional Report Surplus Deficit	2079	2724	4881	1548	2072	158	1930	4742	6005	1489	4675	7212	3804	2979
45 1973 Regional Report Surplus Deficit	1846	2544	5043	1322	2131	-184	413	1126	1515	1051	1970	5981	6.21	883
46 1974 Regional Report Surplus Deficit	-310	-231	3200	207	996	557	2442	4580	5646	1267	4844	6693	4029	3498
47 1975 Regional Report Surplus Deficit	1914	2575	4866	175	599	-784	674	2714	4835	911	3249	7065	4298	3191
48 1976 Regional Report Surplus Deficit	1744	2139	5040	2799	3847	1971	2065	4349	5484	1172	4592	7297	3978	2869
49 1977 Regional Report Surplus Deficit	2103	2700	5958	1367	1186	-1681	-1695	-313	212	763	1162	4549	-2642	-371
50 1978 Regional Report Surplus Deficit	-1157	-1376	2007	-1160	518	-497	226	2402	3857	980	4406	7315	2988	2574
51 1979 Regional Report Surplus Deficit	1301	1186	5041	1439	1890	-1281	-1752	1781	3952	836	3682	7559	2855	165
52 1980 Regional Report Surplus Deficit	-337	-716	3705	365	936	-1882	-547	-345	1474	892	4651	7792	3770	2158
53 1981 Regional Report Surplus Deficit	-451	-283	3860	313	1696	912	1557	3769	3573	616	3440	7105	3995	2415
54 1982 Regional Report Surplus Deficit	1706	2329	4474	710	2357	-302	1185	4794	5790	1308	4352	6891	4338	3555

Regional Report Surplus Deficit By Water Year

Operating Year 2027

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

1Hr-MW - Surplus Deficit	Aug1	Aug1 6	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 1983 Regional Report Surplus Deficit	1928	2592	5452	2593	2606	305	1651	4279	5927	1372	4130	7008	3841	2823
56 1984 Regional Report Surplus Deficit	1892	2437	4991	1141	4100	584	1331	3900	5440	1432	4706	7222	4388	2727
57 1985 Regional Report Surplus Deficit	2013	1699	5011	1271	2586	-182	-169	1450	2775	1268	4444	7227	2550	1501
58 1986 Regional Report Surplus Deficit	-709	-119	3528	1731	3112	-180	734	3967	6013	1112	4755	7045	3464	2341
59 1987 Regional Report Surplus Deficit	1082	-309	3511	268	1984	-165	-934	512	3427	831	3241	6924	2393	1238
60 1988 Regional Report Surplus Deficit	-136	-250	3107	-168	-159	-2118	-3065	-2404	1304	890	3080	6657	1069	1998
61 1989 Regional Report Surplus Deficit	231	-260	3305	-20.5	1198	-867	-2241	-1823	3465	1265	4804	7138	2839	1765
62 1990 Regional Report Surplus Deficit	29.8	-313	3467	329	1818	-1.25	241	3269	4987	1084	4971	6870	3785	2470
63 1991 Regional Report Surplus Deficit	1582	1831	3775	93.8	3731	522	1285	3470	4833	1039	3703	6941	3503	2490
64 1992 Regional Report Surplus Deficit	1745	2028	3809	33.1	452	-1970	-1685	1031	3037	1135	1671	5765	-662	-14.3
65 1993 Regional Report Surplus Deficit	-1037	-1034	2399	-306	584	-1794	-3347	-2630	2238	789	3712	7193	3380	2061
66 1994 Regional Report Surplus Deficit	560	13.3	3690	283	1335	-1480	-2566	-1024	2112	964	3130	6718	2222	1636
67 1995 Regional Report Surplus Deficit	-66.2	-900	3270	26.3	241	-1262	-680	1872	3946	833	3448	7476	3925	2439
68 1996 Regional Report Surplus Deficit	843	274	4391	2201	3914	2082	2411	5057	5899	1489	5512	7342	3774	2703
69 1997 Regional Report Surplus Deficit	1742	2026	4565	678	2137	632	2365	4563	5907	1140	5105	7053	3663	2932
70 1998 Regional Report Surplus Deficit	1910	2653	5527	5064	3562	-132	-185	2788	3452	903	4123	7334	4261	2588
71 1999 Regional Report Surplus Deficit	1880	1462	4131	428	479	537	1953	4475	5753	1007	4727	7062	4305	3125
72 2000 Regional Report Surplus Deficit	2244	2880	4990	735	3758	970	766	2678	4719	1410	5067	7251	2586	2290
73 2001 Regional Report Surplus Deficit	1660	417	3312	442	804	-1687	-2442	-936	523	553	1388	5688	-2324	-255
74 2002 Regional Report Surplus Deficit	-1053	-1176	2079	-1322	425	-1277	-2136	-577	2171	1108	4555	6957	3788	2595
75 2003 Regional Report Surplus Deficit	1110	841	3596	327	1185	-1656	-2402	-918	4263	938	3858	6806	3797	1503
76 2004 Regional Report Surplus Deficit	-275	-694	2887	-25.1	1590	-588	-1580	-1148	2508	583	3342	6939	2792	2064
77 2005 Regional Report Surplus Deficit	-656	187	4176	950	1561	-434	-652	1970	1668	435	2867	6945	2996	1983
78 2006 Regional Report Surplus Deficit	489	-483	3509	-247	1447	-613	1162	3228	4541	1228	4970	7279	4014	2401
79 2007 Regional Report Surplus Deficit	656	9.56	3193	-353	1986	-464	473	1738	5497	907	3756	7064	2885	2510
80 2008 Regional Report Surplus Deficit	632	-447	2831	-80.9	1184	-1534	-1415	-123	2582	1071	1203	7048	4391	2698
Ranked Averages														
81 Bottom 10 pct	-863	-812	2820	-98.9	1159	-874	-1360	570	2480	774	3144	6840	2970	1861
82 Middle 80 pct	1001	808	3944	797	1704	-371	-17.5	2027	3943	1070	3859	6976	3115	2151
83 Top 10 pct	2021	2555	5294	1717	2426	-185	229	2403	3479	1144	3738	6776	2883	2278

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