

2018 Pacific Northwest Loads and Resources Study

Technical Appendix, Volume 2: Capacity Analysis

April 2019



2018 PACIFIC NORTHWEST LOADS AND RESOURCES STUDY
The White Book

TECHNICAL APPENDIX

Volume 2

Capacity Analysis

BONNEVILLE POWER ADMINISTRATION
April 2019

Cover Picture:

Palisades Dam is an earth-fill dam on the Snake River in Bonneville County, Idaho, owned and operated by the Bureau of Reclamation. The dam was completed in 1957 and provides irrigation water, flood control, hydropower, and recreation; it features a four-turbine hydroelectric power plant with a nameplate capacity of 176 MW.

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

Pacific Northwest Utilities Conference Committee

Northwest Power & Conservation Council

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**Section 1: Monthly Capacity
(Common Tables)
Operating Year 2020 to 2029**

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Exhibit 1
Regional Total Retail Loads

Monthly Capacity
Operating Year 2020 to 2029

**Table A-1: Regional: Total Retail Loads
Operating Year 2020**

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
1 Federal Agency	146	146	140	154	183	216	212	194	176	154	154	148	147	156
2 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
3 Cooperative	3018	3018	2771	2821	3182	3608	3540	3371	3107	3031	3031	2962	3079	3244
4 Municipality	3257	3257	3062	3448	3955	4359	4347	4135	3825	3495	3495	3078	3088	3274
5 Public Utility District	5540	5540	5134	5733	6674	7381	7395	6947	6423	5944	5944	5428	5323	5627
6 Investor-Owned Utility	18189	18189	15962	15961	18252	19413	19233	18088	16888	15959	15959	15755	16881	18277
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	412	412	412	413	412	412	413	412	412	413	413	412	412	412
9 Total Firm Loads	31181	31181	28024	28940	32901	35709	35425	33434	31216	29453	29453	28328	29521	31614
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	146	146	140	154	183	216	212	194	176	154	154	148	147	156
13 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
14 Cooperative	3018	3018	2771	2821	3182	3608	3540	3371	3107	3031	3031	2962	3079	3244
15 Municipality	3257	3257	3062	3448	3955	4359	4347	4135	3825	3495	3495	3078	3088	3274
16 Public Utility District	5540	5540	5148	5733	6674	7381	7399	6970	6477	5978	5978	5428	5323	5627
17 Investor-Owned Utility	18189	18189	15962	15961	18252	19413	19233	18088	16888	15959	15959	15755	16881	18277
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	412	412	412	413	412	412	413	412	412	413	413	412	412	412
20 Total Loads	31181	31181	28038	28940	32901	35709	35429	33457	31270	29487	29487	28328	29521	31614

**Table A-1: Regional: Total Retail Loads
Operating Year 2021**

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
1 Federal Agency	150	150	143	162	194	228	226	206	186	162	162	155	155	164
2 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
3 Cooperative	3140	3140	2909	2975	3338	3766	3685	3528	3241	3165	3165	3103	3201	3363
4 Municipality	3250	3250	3079	3460	3968	4372	4360	4147	3835	3504	3504	3086	3097	3282
5 Public Utility District	5645	5645	5250	5803	6749	7461	7513	7057	6524	6048	6048	5530	5423	5729
6 Investor-Owned Utility	18314	18314	16085	16089	18382	19542	19333	18586	16987	16056	16056	15848	16976	18373
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	412	412	412	413	412	412	413	412	412	413	413	412	412	412
9 Total Firm Loads	31529	31529	28420	29311	33285	36102	35814	34224	31570	29805	29805	28680	29855	31948
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	150	150	143	162	194	228	226	206	186	162	162	155	155	164
13 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
14 Cooperative	3140	3140	2909	2975	3338	3766	3685	3528	3241	3165	3165	3103	3201	3363
15 Municipality	3250	3250	3079	3460	3968	4372	4360	4147	3835	3504	3504	3086	3097	3282
16 Public Utility District	5645	5645	5264	5803	6749	7461	7517	7080	6578	6082	6082	5530	5423	5729
17 Investor-Owned Utility	18314	18314	16085	16089	18382	19542	19333	18586	16987	16056	16056	15848	16976	18373
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	412	412	412	413	412	412	413	412	412	413	413	412	412	412
20 Total Loads	31529	31529	28434	29311	33285	36102	35818	34247	31624	29839	29839	28680	29855	31948

Table A-1: Regional: Total Retail Loads

Operating Year 2022

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
1 Federal Agency	157	157	150	165	198	233	231	211	190	165	165	158	158	167
2 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
3 Cooperative	3269	3269	3022	3086	3460	3872	3831	3675	3386	3326	3326	3248	3346	3523
4 Municipality	3259	3259	3086	3467	3978	4383	4399	4187	3872	3550	3550	3132	3142	3328
5 Public Utility District	5747	5747	5346	5904	6860	7579	7841	7378	6834	6326	6326	5804	5685	5995
6 Investor-Owned Utility	18409	18409	16178	16186	18481	19640	19442	18697	17094	16161	16161	15949	17080	18477
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	412	412	412	413	412	412	413	412	412	413	413	412	412	412
9 Total Firm Loads	31870	31870	28737	29631	33631	36441	36442	34847	32174	30398	30398	29247	30414	32527
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	157	157	150	165	198	233	231	211	190	165	165	158	158	167
13 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
14 Cooperative	3269	3269	3022	3086	3460	3872	3831	3675	3386	3326	3326	3248	3346	3523
15 Municipality	3259	3259	3086	3467	3978	4383	4399	4187	3872	3550	3550	3132	3142	3328
16 Public Utility District	5747	5747	5360	5904	6860	7579	7845	7401	6888	6360	6360	5804	5685	5995
17 Investor-Owned Utility	18409	18409	16178	16186	18481	19640	19442	18697	17094	16161	16161	15949	17080	18477
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	412	412	412	413	412	412	413	412	412	413	413	412	412	412
20 Total Loads	31870	31870	28751	29631	33631	36441	36446	34870	32228	30432	30432	29247	30414	32527

Table A-1: Regional: Total Retail Loads
Operating Year 2023
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
1 Federal Agency	161	161	153	164	196	232	229	206	189	164	164	157	157	166
2 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
3 Cooperative	3414	3414	3167	3218	3578	3991	3924	3730	3465	3404	3404	3323	3435	3599
4 Municipality	3306	3306	3134	3508	4023	4421	4410	4197	3881	3559	3559	3141	3152	3339
5 Public Utility District	6016	6016	5607	6178	7173	7914	7865	7398	6851	6343	6343	5819	5677	5989
6 Investor-Owned Utility	18512	18512	16280	16292	18589	19748	19551	18807	17201	16267	16267	16049	17184	18580
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	412	412	412	413	412	412	413	412	412	413	413	412	412	412
9 Total Firm Loads	32440	32440	29295	30182	34213	37037	36676	35036	32384	30607	30607	29447	30607	32710
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	161	161	153	164	196	232	229	206	189	164	164	157	157	166
13 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
14 Cooperative	3414	3414	3167	3218	3578	3991	3924	3730	3465	3404	3404	3323	3435	3599
15 Municipality	3306	3306	3134	3508	4023	4421	4410	4197	3881	3559	3559	3141	3152	3339
16 Public Utility District	6016	6016	5621	6178	7173	7914	7869	7421	6905	6377	6377	5819	5677	5989
17 Investor-Owned Utility	18512	18512	16280	16292	18589	19748	19551	18807	17201	16267	16267	16049	17184	18580
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	412	412	412	413	412	412	413	412	412	413	413	412	412	412
20 Total Loads	32440	32440	29309	30182	34213	37037	36680	35059	32438	30641	30641	29447	30607	32710

Table A-1: Regional: Total Retail Loads
Operating Year 2024
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
1 Federal Agency	160	160	152	164	197	232	230	210	189	165	165	158	157	167
2 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
3 Cooperative	3490	3490	3256	3296	3655	4083	4002	3828	3556	3481	3481	3398	3496	3661
4 Municipality	3316	3316	3143	3517	4034	4433	4422	4210	3891	3568	3568	3148	3159	3347
5 Public Utility District	6003	6003	5589	6163	7162	7907	7884	7418	6866	6356	6356	5832	5713	6027
6 Investor-Owned Utility	18615	18615	16381	16398	18696	19855	19653	18503	17300	16365	16365	16143	17280	18677
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	412	412	412	413	412	412	413	412	412	413	413	412	412	412
9 Total Firm Loads	32615	32615	29476	30361	34398	37242	36888	34868	32600	30805	30805	29635	30808	32915
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	160	160	152	164	197	232	230	210	189	165	165	158	157	167
13 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
14 Cooperative	3490	3490	3256	3296	3655	4083	4002	3828	3556	3481	3481	3398	3496	3661
15 Municipality	3316	3316	3143	3517	4034	4433	4422	4210	3891	3568	3568	3148	3159	3347
16 Public Utility District	6003	6003	5603	6163	7162	7907	7888	7441	6920	6390	6390	5832	5713	6027
17 Investor-Owned Utility	18615	18615	16381	16398	18696	19855	19653	18503	17300	16365	16365	16143	17280	18677
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	412	412	412	413	412	412	413	412	412	413	413	412	412	412
20 Total Loads	32615	32615	29490	30361	34398	37242	36892	34891	32654	30839	30839	29635	30808	32915

Table A-1: Regional: Total Retail Loads

Operating Year 2025

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
1 Federal Agency	160	160	152	166	199	234	232	212	191	166	166	159	159	168
2 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
3 Cooperative	3552	3552	3302	3345	3705	4119	4039	3869	3579	3503	3503	3418	3516	3682
4 Municipality	3324	3324	3151	3525	4044	4443	4432	4220	3901	3577	3577	3156	3168	3356
5 Public Utility District	6036	6036	5619	6195	7198	7947	7939	7468	6910	6406	6406	5882	5762	6076
6 Investor-Owned Utility	18712	18712	16476	16497	18797	19954	19746	19004	17392	16455	16455	16229	17369	18766
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	412	412	412	413	412	412	413	412	412	413	413	412	412	412
9 Total Firm Loads	32815	32815	29655	30550	34596	37429	37086	35472	32770	30978	30978	29801	30976	33085
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	160	160	152	166	199	234	232	212	191	166	166	159	159	168
13 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
14 Cooperative	3552	3552	3302	3345	3705	4119	4039	3869	3579	3503	3503	3418	3516	3682
15 Municipality	3324	3324	3151	3525	4044	4443	4432	4220	3901	3577	3577	3156	3168	3356
16 Public Utility District	6036	6036	5633	6195	7198	7947	7943	7491	6964	6440	6440	5882	5762	6076
17 Investor-Owned Utility	18712	18712	16476	16497	18797	19954	19746	19004	17392	16455	16455	16229	17369	18766
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	412	412	412	413	412	412	413	412	412	413	413	412	412	412
20 Total Loads	32815	32815	29669	30550	34596	37429	37090	35495	32824	31012	31012	29801	30976	33085

Table A-1: Regional: Total Retail Loads

Operating Year 2026

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
1 Federal Agency	161	161	154	166	199	235	233	213	191	167	167	159	159	169
2 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
3 Cooperative	3573	3573	3322	3368	3727	4142	4063	3892	3602	3526	3526	3437	3536	3702
4 Municipality	3334	3334	3160	3534	4055	4455	4443	4230	3911	3584	3584	3165	3177	3365
5 Public Utility District	6086	6086	5666	6244	7250	8001	8002	7530	6975	6463	6463	5938	5817	6133
6 Investor-Owned Utility	18800	18800	16563	16587	18889	20046	19834	19093	17478	16540	16540	16309	17453	18849
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	412	412	412	413	412	412	413	412	412	413	413	412	412	412
9 Total Firm Loads	32984	32984	29819	30721	34775	37611	37272	35658	32955	31149	31149	29966	31144	33255
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	161	161	154	166	199	235	233	213	191	167	167	159	159	169
13 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
14 Cooperative	3573	3573	3322	3368	3727	4142	4063	3892	3602	3526	3526	3437	3536	3702
15 Municipality	3334	3334	3160	3534	4055	4455	4443	4230	3911	3584	3584	3165	3177	3365
16 Public Utility District	6086	6086	5680	6244	7250	8001	8006	7553	7029	6497	6497	5938	5817	6133
17 Investor-Owned Utility	18800	18800	16563	16587	18889	20046	19834	19093	17478	16540	16540	16309	17453	18849
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	412	412	412	413	412	412	413	412	412	413	413	412	412	412
20 Total Loads	32984	32984	29833	30721	34775	37611	37276	35681	33009	31183	31183	29966	31144	33255

Table A-1: Regional: Total Retail Loads

Operating Year 2027

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
1 Federal Agency	162	162	154	167	200	236	234	211	192	167	167	160	160	169
2 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
3 Cooperative	3592	3592	3341	3389	3749	4165	4085	3890	3623	3546	3546	3455	3554	3721
4 Municipality	3343	3343	3168	3542	4066	4465	4454	4240	3921	3593	3593	3172	3186	3375
5 Public Utility District	6141	6141	5718	6291	7300	8031	8047	7572	7016	6503	6503	5976	5854	6171
6 Investor-Owned Utility	18883	18883	16644	16672	18976	20132	19921	19181	17563	16624	16624	16389	17535	18932
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	412	412	412	413	412	412	413	412	412	413	413	412	412	412
9 Total Firm Loads	33151	33151	29980	30884	34944	37762	37439	35792	33114	31303	31303	30110	31291	33405
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	154	167	200	236	234	211	192	167	167	160	160	169
13 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
14 Cooperative	3592	3592	3341	3389	3749	4165	4085	3890	3623	3546	3546	3455	3554	3721
15 Municipality	3343	3343	3168	3542	4066	4465	4454	4240	3921	3593	3593	3172	3186	3375
16 Public Utility District	6141	6141	5732	6291	7300	8031	8051	7595	7070	6537	6537	5976	5854	6171
17 Investor-Owned Utility	18883	18883	16644	16672	18976	20132	19921	19181	17563	16624	16624	16389	17535	18932
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	412	412	412	413	412	412	413	412	412	413	413	412	412	412
20 Total Loads	33151	33151	29994	30884	34944	37762	37443	35815	33168	31337	31337	30110	31291	33405

**Table A-1: Regional: Total Retail Loads
Operating Year 2028**

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
1 Federal Agency	163	163	155	167	201	237	235	215	193	168	168	161	160	170
2 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
3 Cooperative	3611	3611	3358	3409	3769	4186	4107	3932	3643	3566	3566	3473	3571	3739
4 Municipality	3352	3352	3177	3607	4113	4477	4489	4295	3936	3628	3628	3136	3221	3425
5 Public Utility District	6178	6178	5751	6324	7333	8067	8080	7607	7047	6531	6531	6005	5883	6199
6 Investor-Owned Utility	18966	18966	16725	16757	19062	20217	20015	18860	17655	16715	16715	16475	17624	19021
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	412	412	412	413	412	412	413	412	412	413	413	412	412	412
9 Total Firm Loads	33299	33299	30121	31087	35133	37916	37624	35607	33272	31479	31479	30206	31462	33590
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	163	163	155	167	201	237	235	215	193	168	168	161	160	170
13 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
14 Cooperative	3611	3611	3358	3409	3769	4186	4107	3932	3643	3566	3566	3473	3571	3739
15 Municipality	3352	3352	3177	3607	4113	4477	4489	4295	3936	3628	3628	3136	3221	3425
16 Public Utility District	6178	6178	5765	6324	7333	8067	8084	7630	7101	6565	6565	6005	5883	6199
17 Investor-Owned Utility	18966	18966	16725	16757	19062	20217	20015	18860	17655	16715	16715	16475	17624	19021
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	412	412	412	413	412	412	413	412	412	413	413	412	412	412
20 Total Loads	33299	33299	30135	31087	35133	37916	37628	35630	33326	31513	31513	30206	31462	33590

Table A-1: Regional: Total Retail Loads

Operating Year 2029

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
1 Federal Agency	163	163	155	168	201	238	236	216	194	168	168	161	161	170
2 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
3 Cooperative	3629	3629	3376	3429	3790	4208	4128	3957	3664	3587	3587	3491	3589	3758
4 Municipality	3407	3407	3208	3614	4121	4485	4498	4302	3944	3635	3635	3143	3228	3433
5 Public Utility District	6206	6206	5777	6349	7360	8094	8106	7629	7064	6555	6555	6028	5907	6223
6 Investor-Owned Utility	19054	19054	16812	16848	19154	20309	20111	19373	17749	16807	16807	16563	17715	19112
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	412	412	412	413	412	412	413	412	412	413	413	412	412	412
9 Total Firm Loads	33490	33490	30283	31231	35281	38066	37775	36176	33411	31622	31622	30343	31601	33732
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	163	163	155	168	201	238	236	216	194	168	168	161	161	170
13 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
14 Cooperative	3629	3629	3376	3429	3790	4208	4128	3957	3664	3587	3587	3491	3589	3758
15 Municipality	3407	3407	3208	3614	4121	4485	4498	4302	3944	3635	3635	3143	3228	3433
16 Public Utility District	6206	6206	5791	6349	7360	8094	8110	7652	7118	6589	6589	6028	5907	6223
17 Investor-Owned Utility	19054	19054	16812	16848	19154	20309	20111	19373	17749	16807	16807	16563	17715	19112
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	412	412	412	413	412	412	413	412	412	413	413	412	412	412
20 Total Loads	33490	33490	30297	31231	35281	38066	37779	36199	33465	31656	31656	30343	31601	33732

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Exhibit 2
Regional Exports

Monthly Capacity
Operating Year 2020 to 2029

**Regional Exports
Operating Year 2020**

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Canada														
Contracts														
1 BPA-P to BCHP Trty CEA	1260	1260	1260	1260	1260	1260	1260	1260	1260	1260	1260	1260	1260	1260
2 BPA-P to BCHP NTSA Del	121	121	0	0	0	0	0	0	0	0	0	0	0	21.5
3 Total Exports to CAN	1381	1381	1260	1260	1260	1260	1260	1260	1260	1260	1260	1260	1260	1282
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 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														
Contracts														
6 BPA-P to Other Entities	0	0	0	25.0	25.0	25.0	0	0	0	0	0	0	0	0
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	25.0	25.0	25.0	0	0	0	0	0	0	0	0
Pacific Southwest														
Contracts														
9 BPA-P to Other Entities	150	150	125	100.0	100.0	100.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
10 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
11 PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
Transfer Services														
12 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 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
20 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Intertie Losses	15	15	15	5	5	5	3	3	3	3	3	3	12	12
22 Total Exports to PSW	528	528	502	168	160	160	108	108	108	108	116	116	425	425

**Regional Exports
Operating Year 2020**

2018 White Book Report Date: **12/1/2018** *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Exports														
²³ Federal Entities	1535	1535	1389	1388	1388	1388	1312	1312	1312	1312	1312	1312	1312	1333
²⁴ 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
²⁵ Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
²⁶ 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
²⁷ Total Exports	1899	1899	1753	1452	1444	1444	1368	1368	1368	1368	1375	1375	1675	1697

**Regional Exports
Operating Year 2021**

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Canada														
Contracts														
1 BPA-P to BCHP Trty CEA	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120
2 BPA-P to BCHP NTSA Del	60.8	146	0	0	0	0	0	0	0	0	0	0	0	21.5
3 Total Exports to CAN	1181	1266	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1142
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 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														
6 UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Total Exports to ISW	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Southwest														
Contracts														
8 BPA-P to Other Entities	50.0	50.0	50.0	50.0	50.0	50.0	0	0	0	0	0	0	0	0
9 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
10 PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
Transfer Services														
11 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 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
19 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Intertie Losses	12	12	12	3	3	3	1.7	1.7	1.7	1.7	1.9	1.9	11	11
21 Total Exports to PSW	425	425	425	116	108	108	56.7	56.7	56.7	56.7	64.7	64.7	374	374

**Regional Exports
Operating Year 2021**

2018 White Book Report Date: **12/1/2018** *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Exports														
²² Federal Entities	1232	1317	1172	1172	1172	1172	1120	1120	1120	1120	1120	1120	1120	1142
²³ 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
²⁴ Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
²⁵ 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
²⁶ Total Exports	1596	1681	1535	1235	1228	1228	1176	1176	1176	1176	1184	1184	1484	1505

**Regional Exports
Operating Year 2022**

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Canada														
Contracts														
1 BPA-P to BCHP Trty CEA	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120
2 BPA-P to BCHP NTSA Del	60.8	146	0	0	0	0	0	0	0	0	0	0	0	21.5
3 Total Exports to CAN	1181	1266	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1142
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 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														
6 UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Total Exports to ISW	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Southwest														
Contracts														
8 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 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
10 PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer Services														
11 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Intertie Losses	0.23	0.23	0.23	0.23	0	0	0	0	0	0	0.23	0.23	0.23	0.23
20 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

**Regional Exports
Operating Year 2022**

2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
²¹ Federal Entities	1181	1266	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1142
²² 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
²³ Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
²⁴ Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
²⁵ Total Exports	1190	1275	1129	1129	1121	1121	1121	1121	1121	1121	1129	1129	1129	1150

**Regional Exports
Operating Year 2023**

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Canada														
Contracts														
1 BPA-P to BCHP Trty CEA	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120
2 BPA-P to BCHP NTSA Del	60.8	146	0	0	0	0	0	0	0	0	0	0	0	21.5
3 Total Exports to CAN	1181	1266	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1142
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 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														
6 UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Total Exports to ISW	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Southwest														
Contracts														
8 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 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
10 PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer Services														
11 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Intertie Losses	0.23	0.23	0.23	0.23	0	0	0	0	0	0	0.23	0.23	0.23	0.23
20 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

**Regional Exports
Operating Year 2023**

2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
²¹ Federal Entities	1181	1266	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1142
²² 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
²³ Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
²⁴ Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
²⁵ Total Exports	1190	1275	1129	1129	1121	1121	1121	1121	1121	1121	1129	1129	1129	1150

**Regional Exports
Operating Year 2024**

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Canada														
Contracts														
1 BPA-P to BCHP Trty CEA	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120
2 BPA-P to BCHP NTSA Del	60.8	146	0	0	0	0	0	0	0	0	0	0	0	21.5
3 Total Exports to CAN	1181	1266	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1142
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 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														
6 UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Total Exports to ISW	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Southwest														
Contracts														
8 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 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
10 PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer Services														
11 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Intertie Losses	0.23	0.23	0.23	0.23	0	0	0	0	0	0	0.23	0.23	0.23	0.23
20 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

**Regional Exports
Operating Year 2024**

2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
²¹ Federal Entities	1181	1266	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1142
²² 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
²³ Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
²⁴ Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
²⁵ Total Exports	1190	1275	1129	1129	1121	1121	1121	1121	1121	1121	1129	1129	1129	1150

**Regional Exports
Operating Year 2025**

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	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	60.8	146	0	0	0	0	0	0	0	0	0	0	0	21.5
3 Total Exports to CAN	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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 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														
6 UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Total Exports to ISW	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Southwest														
Contracts														
8 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 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
10 PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer Services														
11 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Intertie Losses	0.23	0.23	0.23	0.23	0	0	0	0	0	0	0.23	0.23	0.23	0.23
20 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

**Regional Exports
Operating Year 2025**

2018 White Book Report Date: **12/1/2018** *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
²¹ Federal Entities	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
²² 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
²³ Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
²⁴ Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
²⁵ Total Exports	1211	1296	1150	1150	1143	1143	1143	1143	1143	1143	1150	1150	1150	1172

**Regional Exports
Operating Year 2026**

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	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	60.8	146	0	0	0	0	0	0	0	0	0	0	0	21.5
3 Total Exports to CAN	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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 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														
6 UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Total Exports to ISW	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Southwest														
Contracts														
8 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 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
10 PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer Services														
11 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Intertie Losses	0.23	0.23	0.23	0.23	0	0	0	0	0	0	0.23	0.23	0.23	0.23
20 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

**Regional Exports
Operating Year 2026**

2018 White Book Report Date: **12/1/2018** *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
²¹ Federal Entities	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
²² 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
²³ Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
²⁴ Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
²⁵ Total Exports	1211	1296	1150	1150	1143	1143	1143	1143	1143	1143	1150	1150	1150	1172

**Regional Exports
Operating Year 2027**

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	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	60.8	146	0	0	0	0	0	0	0	0	0	0	0	21.5
3 Total Exports to CAN	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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 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														
6 UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Total Exports to ISW	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Southwest														
Contracts														
8 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 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
10 PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer Services														
11 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Intertie Losses	0.23	0.23	0.23	0.23	0	0	0	0	0	0	0.23	0.23	0.23	0.23
20 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

**Regional Exports
Operating Year 2027**

2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
²¹ Federal Entities	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
²² 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
²³ Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
²⁴ Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
²⁵ Total Exports	1211	1296	1150	1150	1143	1143	1143	1143	1143	1143	1150	1150	1150	1172

**Regional Exports
Operating Year 2028**

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	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	60.8	146	0	0	0	0	0	0	0	0	0	0	0	21.5
3 Total Exports to CAN	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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 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														
6 UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Total Exports to ISW	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Southwest														
Contracts														
8 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 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
10 PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer Services														
11 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Intertie Losses	0.23	0.23	0.23	0.23	0	0	0	0	0	0	0.23	0.23	0.23	0.23
20 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

**Regional Exports
Operating Year 2028**

2018 White Book Report Date: **12/1/2018** *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
²¹ Federal Entities	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
²² 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
²³ Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
²⁴ Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
²⁵ Total Exports	1211	1296	1150	1150	1143	1143	1143	1143	1143	1143	1150	1150	1150	1172

**Regional Exports
Operating Year 2029**

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	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	60.8	146	0	0	0	0	0	0	0	0	0	0	0	21.5
3 Total Exports to CAN	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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 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														
6 UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Total Exports to ISW	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Southwest														
Contracts														
8 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	0	0	0	0
10 PSE to PG&E SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer Services														
11 BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Intertie Losses	0.23	0.23	0.23	0.23	0	0	0	0	0	0	0	0	0	0
20 Total Exports to PSW	8.04	8.04	8.04	8.04	0	0	0	0	0	0	0	0	0	0

Total Exports

**Regional Exports
Operating Year 2029**

2018 White Book Report Date: **12/1/2018** *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
²¹ Federal Entities	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
²² 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
²³ Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	0	0	0	0
²⁴ Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
²⁵ Total Exports	1211	1296	1150	1150	1143	1143	1143	1143	1143	1143	1143	1143	1143	1164

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Exhibit 3
Regional Imports

Monthly Capacity
Operating Year 2020 to 2029

Regional Imports
Operating Year 2020
2018 White Book Report Date: **12/1/2018**

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	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	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 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
8 PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
9 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														
10 Federal Entities	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	76.0
11 Investor Owned Utilities	766	766	639	579	876	957	902	900	576	547	547	588	838	916
12 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
13 Total Imports	984	984	857	848	1099	1202	1177	1209	910	765	765	807	1056	1134

Regional Imports
Operating Year 2021
2018 White Book Report Date: **12/1/2018**

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	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 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
8 PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
9 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														
10 Federal Entities	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	1.00
11 Investor Owned Utilities	774	774	643	583	879	961	905	903	580	551	551	592	846	925
12 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
13 Total Imports	992	992	861	852	1102	1206	1180	1212	914	769	769	811	1064	1068

Regional Imports
Operating Year 2022
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	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	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 PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
8 Total Imports From PSW	0	0	0	0	300	300	300	300	0	0	0	0	0	0
Total Imports														
9 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
10 Investor Owned Utilities	782	782	647	587	882	965	909	907	584	554	554	596	855	935
11 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
12 Total Imports	925	925	790	731	980	1085	1059	1091	793	697	697	740	998	1078

Regional Imports
Operating Year 2023
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	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	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 PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
8 Total Imports From PSW	0	0	0	0	300	300	300	300	0	0	0	0	0	0
Total Imports														
9 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
10 Investor Owned Utilities	791	791	651	591	885	969	912	910	587	558	558	600	864	945
11 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
12 Total Imports	934	934	794	735	983	1089	1062	1094	796	701	701	744	1007	1088

Regional Imports
Operating Year 2024
2018 White Book Report Date: 12/1/2018
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120Hr-MW	Aug1	Aug16	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	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 PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
8 Total Imports From PSW	0	0	0	0	300	300	300	300	0	0	0	0	0	0
Total Imports														
9 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
10 Investor Owned Utilities	799	799	656	595	888	973	915	914	591	562	562	604	873	954
11 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
12 Total Imports	942	942	799	739	986	1093	1065	1098	800	705	705	748	1016	1097

Regional Imports
Operating Year 2025
2018 White Book Report Date: 12/1/2018
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120Hr-MW	Aug1	Aug16	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	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 PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
8 Total Imports From PSW	0	0	0	0	300	300	300	300	0	0	0	0	0	0
Total Imports														
9 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
10 Investor Owned Utilities	807	807	660	598	892	977	918	917	595	565	565	607	882	964
11 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
12 Total Imports	950	950	803	742	990	1097	1068	1101	804	708	708	751	1025	1107

Regional Imports
Operating Year 2026
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	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	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 PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
8 Total Imports From PSW	0	0	0	0	300	300	300	300	0	0	0	0	0	0
Total Imports														
9 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
10 Investor Owned Utilities	815	815	665	602	895	980	921	920	599	569	569	611	892	974
11 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
12 Total Imports	958	958	808	746	993	1100	1071	1104	808	712	712	755	1035	1117

Regional Imports
Operating Year 2027
2018 White Book Report Date: **12/1/2018**
S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	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	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 PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
8 Total Imports From PSW	0	0	0	0	300	300	300	300	0	0	0	0	0	0
Total Imports														
9 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
10 Investor Owned Utilities	824	824	669	606	898	984	925	923	602	573	573	615	901	984
11 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
12 Total Imports	967	967	812	750	996	1104	1075	1107	811	716	716	759	1044	1127

Regional Imports
Operating Year 2028
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	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	829	829	670	607	597	684	623	623	602	572	572	617	907	992
6 Total Imports From ISW	829	829	670	607	597	684	623	623	602	572	572	617	907	992
Pacific Southwest														
Contracts														
7 PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
8 Total Imports From PSW	0	0	0	0	300	300	300	300	0	0	0	0	0	0
Total Imports														
9 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
10 Investor Owned Utilities	832	832	673	610	901	988	928	927	606	576	576	620	910	995
11 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
12 Total Imports	975	975	816	754	999	1108	1078	1111	815	719	719	764	1053	1138

Regional Imports
Operating Year 2029
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	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	838	838	674	611	601	687	626	626	606	576	576	621	917	1002
6 Total Imports From ISW	838	838	674	611	601	687	626	626	606	576	576	621	917	1002
Pacific Southwest														
Contracts														
7 PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
8 Total Imports From PSW	0	0	0	0	300	300	300	300	0	0	0	0	0	0
Total Imports														
9 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
10 Investor Owned Utilities	841	841	677	614	905	991	931	930	610	580	580	624	920	1005
11 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
12 Total Imports	984	984	820	758	1003	1111	1081	1114	819	723	723	768	1063	1148

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Exhibit 4
Regional Intra-Regional Transfers

Monthly Capacity
Operating Year 2020 to 2029

Regional: Intra-Regional Transfers
Operating Year 2020
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Intra-Regional Transfers														
Contracts	467	467	452	286	289	289	215	215	208	261	261	273	281	282
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	125	125	125	125	125	125	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
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 PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0
8 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
9 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
10 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
11 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
12 Other Entities to BPA-P	165	165	165	0	0	0	0	0	0	50.0	50.0	50.0	50.0	50.0
13 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
14 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
15 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
16 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
17 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
18 Total Intra-Regional Transfers	467	467	452	286	289	289	215	215	208	261	261	273	281	282
Intra-Regional Contracts Out														
19 Federal Entities	151	151	151	151	158	158	83.2	83.2	76.2	76.2	76.2	76.2	76.2	76.2
20 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
21 Marketer	190	190	190	25.0	25.0	25.0	25.0	25.0	25.0	75.0	75.0	75.0	75.0	75.0
22 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
23 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
24 Total Regional Contracts Out	467	467	452	286	289	289	215	215	208	261	261	273	281	282
Intra-Regional Contracts In														
25 Federal Entities	202	202	202	37.4	33.7	33.7	33.7	33.7	33.7	87.4	87.4	87.4	87.4	87.4
26 Investor Owned Utilities	46.9	46.9	32.6	32.3	39.3	39.3	39.3	39.3	32.3	32.3	32.3	44.2	50.8	52.1
27 Marketer	141	141	141	141	141	141	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
28 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
29 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
30 Total Regional Contracts In	467	467	452	286	289	289	215	215	208	261	261	273	281	282

Regional: Intra-Regional Transfers
Operating Year 2021
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Intra-Regional Transfers														
Contracts	277	277	262	194	181	181	331	331	324	377	377	390	397	349
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
4 BPA-P to Other Entities	50.0	50.0	50.0	50.0	50.0	50.0	0	0	0	0	0	0	0	0
5 BPA-P to PGE CapS Surp	0	0	0	0	0	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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 PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0
8 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
9 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
10 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
11 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
12 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
13 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
14 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
15 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
16 PPL to BPA-P NSP SOut	16.8	16.8	16.8	0	0	0	0	0	0	0	0	0	0	0
17 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
18 Total Intra-Regional Transfers	277	277	262	194	181	181	331	331	324	377	377	390	397	349
Intra-Regional Contracts Out														
19 Federal Entities	76.2	76.2	76.2	76.2	66.4	66.4	216	216	209	209	209	209	209	209
20 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
21 Marketer	75.0	75.0	75.0	25.0	25.0	25.0	25.0	25.0	25.0	75.0	75.0	75.0	75.0	25.0
22 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
23 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
24 Total Regional Contracts Out	277	277	262	194	181	181	331	331	324	377	377	390	397	349
Intra-Regional Contracts In														
25 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
26 Investor Owned Utilities	46.9	46.9	32.6	32.3	22.5	22.5	223	223	216	216	216	227	234	235
27 Marketer	65.5	65.5	65.5	65.5	65.5	65.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
28 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
29 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

Regional: Intra-Regional Transfers
Operating Year 2022
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Intra-Regional Transfers														
Contracts	344	344	328	328	331	331	331	331	324	327	327	340	347	349
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
4 BPA-P to PGE CapS Surp	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
5 BPA-P to PPL NSP RIn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 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
7 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
8 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
9 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
10 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
11 Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 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
13 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
14 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
15 PPL to BPA-P NSP SOut	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 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
17 Total Intra-Regional Transfers	344	344	328	328	331	331	331	331	324	327	327	340	347	349
Intra-Regional Contracts Out														
18 Federal Entities	209	209	209	209	216	216	216	216	209	209	209	209	209	209
19 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
20 Marketer	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
21 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
22 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
23 Total Regional Contracts Out	344	344	328	328	331	331	331	331	324	327	327	340	347	349
Intra-Regional Contracts In														
24 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
25 Investor Owned Utilities	230	230	216	216	223	223	223	223	216	216	216	227	234	235
26 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
27 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
28 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
29 Total Regional Contracts In	344	344	328	328	331	331	331	331	324	327	327	340	347	349

Regional: Intra-Regional Transfers
Operating Year 2023
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Intra-Regional Transfers														
Contracts	344	344	328	328	331	331	331	331	324	327	327	340	347	349
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
4 BPA-P to PGE CapS Surp	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
5 BPA-P to PPL NSP RIn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 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
7 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
8 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
9 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
10 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
11 Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 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
13 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
14 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
15 PPL to BPA-P NSP SOut	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 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
17 Total Intra-Regional Transfers	344	344	328	328	331	331	331	331	324	327	327	340	347	349
Intra-Regional Contracts Out														
18 Federal Entities	209	209	209	209	216	216	216	216	209	209	209	209	209	209
19 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
20 Marketer	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
21 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
22 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
23 Total Regional Contracts Out	344	344	328	328	331	331	331	331	324	327	327	340	347	349
Intra-Regional Contracts In														
24 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
25 Investor Owned Utilities	230	230	216	216	223	223	223	223	216	216	216	227	234	235
26 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
27 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
28 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
29 Total Regional Contracts In	344	344	328	328	331	331	331	331	324	327	327	340	347	349

Regional: Intra-Regional Transfers
Operating Year 2024
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Intra-Regional Transfers														
Contracts	344	344	328	328	331	331	331	331	324	327	327	340	347	349
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
4 BPA-P to PGE CapS Surp	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
5 BPA-P to PPL NSP RIn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 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
7 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
8 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
9 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
10 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
11 Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 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
13 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
14 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
15 PPL to BPA-P NSP SOut	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 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
17 Total Intra-Regional Transfers	344	344	328	328	331	331	331	331	324	327	327	340	347	349
Intra-Regional Contracts Out														
18 Federal Entities	209	209	209	209	216	216	216	216	209	209	209	209	209	209
19 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
20 Marketer	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
21 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
22 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
23 Total Regional Contracts Out	344	344	328	328	331	331	331	331	324	327	327	340	347	349
Intra-Regional Contracts In														
24 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
25 Investor Owned Utilities	230	230	216	216	223	223	223	223	216	216	216	227	234	235
26 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
27 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
28 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
29 Total Regional Contracts In	344	344	328	328	331	331	331	331	324	327	327	340	347	349

Regional: Intra-Regional Transfers
Operating Year 2025
2018 White Book Report Date: 12/1/2018
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Intra-Regional Transfers														
Contracts	344	344	328	328	331	331	331	331	324	327	327	340	347	349
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
4 BPA-P to PGE CapS Surp	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
5 BPA-P to PPL NSP RIn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 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
7 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
8 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
9 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
10 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
11 Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 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
13 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
14 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
15 PPL to BPA-P NSP SOut	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 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
17 Total Intra-Regional Transfers	344	344	328	328	331	331	331	331	324	327	327	340	347	349
Intra-Regional Contracts Out														
18 Federal Entities	209	209	209	209	216	216	216	216	209	209	209	209	209	209
19 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
20 Marketer	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
21 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
22 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
23 Total Regional Contracts Out	344	344	328	328	331	331	331	331	324	327	327	340	347	349
Intra-Regional Contracts In														
24 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
25 Investor Owned Utilities	230	230	216	216	223	223	223	223	216	216	216	227	234	235
26 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
27 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
28 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
29 Total Regional Contracts In	344	344	328	328	331	331	331	331	324	327	327	340	347	349

Regional: Intra-Regional Transfers
Operating Year 2026
2018 White Book Report Date: 12/1/2018
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Intra-Regional Transfers														
Contracts	344	344	328	328	331	331	131	131	124	127	127	140	147	149
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
4 BPA-P to PGE CapS Surp	100.0	100.0	100.0	100.0	100.0	100.0	0	0	0	0	0	0	0	0
	100.0	100.0	100.0	100.0	100.0	100.0	0	0	0	0	0	0	0	0
5 BPA-P to PPL NSP RIn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 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
7 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
8 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
9 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
10 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
11 Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 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
13 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
14 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
15 PPL to BPA-P NSP SOut	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 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
17 Total Intra-Regional Transfers	344	344	328	328	331	331	131	131	124	127	127	140	147	149
Intra-Regional Contracts Out														
18 Federal Entities	209	209	209	209	216	216	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
19 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
20 Marketer	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
21 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
22 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
23 Total Regional Contracts Out	344	344	328	328	331	331	131	131	124	127	127	140	147	149
Intra-Regional Contracts In														
24 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
25 Investor Owned Utilities	230	230	216	216	223	223	22.5	22.5	15.5	15.5	15.5	27.4	34.0	35.3
26 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
27 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
28 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
29 Total Regional Contracts In	344	344	328	328	331	331	131	131	124	127	127	140	147	149

Regional: Intra-Regional Transfers
Operating Year 2027
2018 White Book Report Date: 12/1/2018
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Intra-Regional Transfers														
Contracts	144	144	128	128	131	131	131	131	124	127	127	140	147	149
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
4 BPA-P to PPL NSP RIn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0
6 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
7 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
8 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
9 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
10 Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 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
12 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
13 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
14 PPL to BPA-P NSP SOut	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 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
16 Total Intra-Regional Transfers	144	144	128	128	131	131	131	131	124	127	127	140	147	149
Intra-Regional Contracts Out														
17 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
18 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
19 Marketer	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
20 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
21 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
22 Total Regional Contracts Out	144	144	128	128	131	131	131	131	124	127	127	140	147	149
Intra-Regional Contracts In														
23 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
24 Investor Owned Utilities	30.1	30.1	15.8	15.5	22.5	22.5	22.5	22.5	15.5	15.5	15.5	27.4	34.0	35.3
25 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
26 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
27 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
28 Total Regional Contracts In	144	144	128	128	131	131	131	131	124	127	127	140	147	149

Regional: Intra-Regional Transfers
Operating Year 2028
2018 White Book Report Date: 12/1/2018
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Intra-Regional Transfers														
Contracts	144	144	128	128	131	131	131	131	124	127	127	140	147	149
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
4 BPA-P to PPL NSP RIn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0
6 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
7 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
8 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
9 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
10 Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 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
12 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
13 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
14 PPL to BPA-P NSP SOut	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 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
16 Total Intra-Regional Transfers	144	144	128	128	131	131	131	131	124	127	127	140	147	149
Intra-Regional Contracts Out														
17 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
18 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
19 Marketer	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
20 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
21 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
22 Total Regional Contracts Out	144	144	128	128	131	131	131	131	124	127	127	140	147	149
Intra-Regional Contracts In														
23 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
24 Investor Owned Utilities	30.1	30.1	15.8	15.5	22.5	22.5	22.5	22.5	15.5	15.5	15.5	27.4	34.0	35.3
25 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
26 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
27 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
28 Total Regional Contracts In	144	144	128	128	131	131	131	131	124	127	127	140	147	149

Regional: Intra-Regional Transfers
Operating Year 2029
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Intra-Regional Transfers														
Contracts	144	144	128	128	131	131	131	131	124	127	127	140	147	149
1 AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to BPA-T Ops IntrlAgmt	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44
4 BPA-P to PPL NSP RIn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0
6 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
7 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
8 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
9 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
10 Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 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
12 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
13 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
14 PPL to BPA-P NSP SOut	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 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
16 Total Intra-Regional Transfers	144	144	128	128	131	131	131	131	124	127	127	140	147	149
Intra-Regional Contracts Out														
17 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
18 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
19 Marketer	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
20 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
21 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
22 Total Regional Contracts Out	144	144	128	128	131	131	131	131	124	127	127	140	147	149
Intra-Regional Contracts In														
23 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
24 Investor Owned Utilities	30.1	30.1	15.8	15.5	22.5	22.5	22.5	22.5	15.5	15.5	15.5	27.4	34.0	35.3
25 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
26 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
27 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
28 Total Regional Contracts In	144	144	128	128	131	131	131	131	124	127	127	140	147	149

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Exhibit 5
Regional Small Hydro

Monthly Capacity
Operating Year 2020 to 2029

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Regional: Small Hydro
Operating Year 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Small Hydro														
1 Albany-Millersburg Hydroelectric	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
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	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
13 Birch Creek (Gooding, ID)	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
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 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
18 Briqqs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
19 Briqqs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
20 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
21 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
22 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 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
25 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
26 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
27 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09
28 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
30 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
31 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30
32 Central Oregon Siphon	3.47	3.47	3.28	2.79	3.66	4.88	4.35	4.81	5.30	5.41	5.41	5.59	5.09	4.93
33 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
34 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
35 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43
36 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
37 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Cowiche	0.49	0.49	0.36	0.36	0.45	0.55	0.66	0.73	0.65	0.61	0.61	0.69	0.72	0.63
39 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
40 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18

Regional: Small Hydro
Operating Year 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01
42 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
43 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
45 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
46 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52
47 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
48 Dry Creek	0.94	1.00	0.80	0.43	0.33	0.27	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
49 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
50 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
51 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
52 Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20
53 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
54 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0
55 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
56 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08
57 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45
58 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27
59 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82
60 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23
61 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
62 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10
63 Foray	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54
65 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97
66 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0
67 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
68 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
69 Hailey	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
70 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
71 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
72 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
73 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
74 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
75 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
76 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
77 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
78 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
79 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
80 Juniper Ridge Hydro	1.23	1.23	1.17	1.25	1.51	1.86	2.22	2.47	2.38	2.04	2.04	1.97	1.90	1.74
81 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

Regional: Small Hydro
Operating Year 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 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
83 Koma Kulshan	5.48	5.48	3.42	4.15	5.22	5.98	5.51	6.05	6.38	6.71	6.71	7.51	8.27	6.85
84 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
85 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
86 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
87 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
88 Lake Osweego	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
89 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
90 Le Moyne	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
91 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
92 Lilliwaup Falls	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
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	1.50	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
95 Little Wood River Ranch	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
96 Little Wood River Reservoir	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
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	1.88	1.88	1.82
115 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
118 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
123 North Gooding Main	1.30	1.30	1.30	1.30	0	0	0	0	0	0	1.30	1.30	1.30	1.30
124 O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10
125 Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03
126 Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23
127 Orchard Avenue	0.39	0.39	0.28	0.30	0.37	0.43	0.52	0.57	0.51	0.48	0.48	0.52	0.58	0.47
128 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
129 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
130 Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
131 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
132 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03
134 Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08
135 Poderosa	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
136 Port Townsend Mill	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
137 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
138 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
139 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
140 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
141 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
142 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
143 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
144 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
145 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
146 Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64
147 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
148 Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40
149 Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40
150 Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
151 Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36
152 Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11
153 Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86
154 Skookumchuck	0.81	0.81	0.51	0.58	0.64	0.78	0.92	0.80	0.84	0.94	0.94	1.04	1.03	0.92
155 Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
156 Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03
157 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
158 South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47
159 Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
160 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162 Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
163 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
164 Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
165 Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4
166 Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10
167 Syqitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03
169 Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
170 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
171 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
172 Twin Falls (WA)	12.2	12.2	7.31	7.18	9.06	11.7	11.4	11.7	12.1	13.2	13.2	14.3	14.7	14.0
173 Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
174 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
175 Walla Walla	1.74	1.74	1.04	1.15	1.38	1.66	1.75	1.92	1.70	1.89	1.89	2.03	2.34	1.99
176 Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07
177 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70
178 Weeks Falls	2.18	2.18	1.31	1.25	1.61	2.08	2.00	2.05	2.14	2.37	2.37	2.55	2.61	2.50
179 White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
180 White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07
181 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	0.47	0.47	0.32	0.40	0.47	0.51	0.59	0.45	0.55	0.60	0.60	0.66	0.80	0.60
186 Yakama Drop 3	0.22	0.22	0.17	0.20	0.24	0.25	0.22	0.22	0.20	0.21	0.21	0.30	0.41	0.30
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	2.19	2.19	1.97	1.98	1.98	2.45	2.53	2.89	2.46	2.84	2.84	3.36	3.72	3.05
190 Direct Service Industry	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
191 Federal Entities	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
192 Investor Owned Utilities	198	197	164	135	136	130	125	135	155	195	196	233	232	216
193 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
194 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
195 Public Utility District	22.7	22.7	20.6	18.7	19.4	18.9	19.2	19.9	30.5	35.8	35.8	34.4	32.4	24.3
196 Total Small Hydro	367	364	280	199	167	161	156	169	207	324	325	446	463	443

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Small Hydro														
1 Albany-Millersburg Hydroelectric	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
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	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
13 Birch Creek (Gooding, ID)	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
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 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
18 Briqqs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
19 Briqqs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
20 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
21 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
22 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 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
25 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
26 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
27 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09
28 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
30 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
31 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30
32 Central Oregon Siphon	3.47	3.47	3.28	2.79	3.66	4.88	4.35	4.81	5.30	5.41	5.41	5.59	5.09	4.93
33 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
34 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
35 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43
36 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
37 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Cowiche	0.49	0.49	0.36	0.36	0.45	0.55	0.66	0.73	0.65	0.61	0.61	0.69	0.72	0.63
39 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
40 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01
42 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
43 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
45 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
46 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52
47 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
48 Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
49 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
50 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
51 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
52 Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20
53 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
54 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0
55 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
56 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08
57 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45
58 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27
59 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82
60 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23
61 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
62 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10
63 Foray	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54
65 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97
66 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0
67 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
68 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
69 Hailey	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
70 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
71 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
72 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
73 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
74 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
75 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
76 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
77 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
78 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
79 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
80 Juniper Ridge Hydro	1.23	1.23	1.17	1.25	1.51	1.86	2.22	2.47	2.38	2.04	2.04	1.97	1.90	1.74
81 Kasel-Withersppon	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

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 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
83 Koma Kulshan	5.48	5.48	3.42	4.15	5.22	5.98	5.51	6.05	6.38	6.71	6.71	7.51	8.27	6.85
84 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
85 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
86 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
87 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
88 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
89 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
90 Le Moyne	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
91 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
92 Lilliwaup Falls	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
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	1.50	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
95 Little Wood River Ranch	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
96 Little Wood River Reservoir	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
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	1.88	1.88	1.82
115 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
118 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15

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123 North Gooding Main	1.30	1.30	1.30	1.30	0	0	0	0	0	0	1.30	1.30	1.30	1.30
124 O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10
125 Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03
126 Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23
127 Orchard Avenue	0.39	0.39	0.28	0.30	0.37	0.43	0.52	0.57	0.51	0.48	0.48	0.52	0.58	0.47
128 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
129 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
130 Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
131 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
132 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03
134 Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08
135 Poderosa	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
136 Port Townsend Mill	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
137 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
138 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
139 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
140 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
141 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
142 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
143 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
144 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
145 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
146 Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64
147 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
148 Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40
149 Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40
150 Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
151 Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36
152 Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11
153 Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86
154 Skookumchuck	0.81	0.81	0.51	0.58	0.64	0.78	0.92	0.80	0.84	0.94	0.94	1.04	1.03	0.92
155 Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
156 Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03
157 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
158 South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47
159 Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
160 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162 Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
163 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09

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164 Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
165 Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4
166 Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10
167 Syqitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03
169 Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
170 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
171 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
172 Twin Falls (WA)	12.2	12.2	7.31	7.18	9.06	11.7	11.4	11.7	12.1	13.2	13.2	14.3	14.7	14.0
173 Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
174 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
175 Walla Walla	1.74	1.74	1.04	1.15	1.38	1.66	1.75	1.92	1.70	1.89	1.89	2.03	2.34	1.99
176 Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07
177 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70
178 Weeks Falls	2.18	2.18	1.31	1.25	1.61	2.08	2.00	2.05	2.14	2.37	2.37	2.55	2.61	2.50
179 White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
180 White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07
181 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	0.47	0.47	0.32	0.40	0.47	0.51	0.59	0.45	0.55	0.60	0.60	0.66	0.80	0.60
186 Yakama Drop 3	0.22	0.22	0.17	0.20	0.24	0.25	0.22	0.22	0.20	0.21	0.21	0.30	0.41	0.30
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	2.19	2.19	1.97	1.98	1.98	2.45	2.53	2.89	2.46	2.84	2.84	3.36	3.72	3.05
190 Direct Service Industry	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
191 Federal Entities	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
192 Investor Owned Utilities	198	198	168	137	137	130	125	135	155	195	196	233	232	216
193 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
194 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
195 Public Utility District	22.7	22.7	20.6	18.7	19.4	18.9	19.2	19.9	30.5	35.8	35.8	34.4	32.4	24.3
196 Total Small Hydro	367	365	284	201	168	161	156	169	207	324	325	446	463	443

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Small Hydro														
1 Albany-Millersburg Hydroelectric	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
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	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
13 Birch Creek (Gooding, ID)	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
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 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
18 Briqqs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
19 Briqqs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
20 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
21 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
22 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 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
25 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
26 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
27 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09
28 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
30 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
31 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30
32 Central Oregon Siphon	3.47	3.47	3.28	2.79	3.66	4.88	4.35	4.81	5.30	5.41	5.41	5.59	5.09	4.93
33 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
34 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
35 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43
36 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
37 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Cowiche	0.49	0.49	0.36	0.36	0.45	0.55	0.66	0.73	0.65	0.61	0.61	0.69	0.72	0.63
39 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
40 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01
42 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
43 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
45 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
46 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52
47 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
48 Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
49 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
50 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
51 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
52 Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20
53 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
54 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0
55 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
56 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08
57 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45
58 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27
59 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82
60 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23
61 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
62 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10
63 Foray	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54
65 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97
66 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0
67 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
68 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
69 Hailey	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
70 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
71 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
72 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
73 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
74 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
75 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
76 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
77 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
78 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
79 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
80 Juniper Ridge Hydro	1.23	1.23	1.17	1.25	1.51	1.86	2.22	2.47	2.38	2.04	2.04	1.97	1.90	1.74
81 Kasel-Withersppon	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

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82 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
83 Koma Kulshan	5.48	5.48	3.42	4.15	5.22	5.98	5.51	6.05	6.38	6.71	6.71	7.51	8.27	6.85
84 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
85 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
86 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
87 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
88 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
89 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
90 Le Moyne	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
91 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
92 Lilliwaup Falls	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
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	1.50	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
95 Little Wood River Ranch	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
96 Little Wood River Reservoir	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
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	1.88	1.88	1.82
115 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
118 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
123 North Gooding Main	1.30	1.30	1.30	1.30	0	0	0	0	0	0	1.30	1.30	1.30	1.30
124 O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10
125 Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03
126 Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23
127 Orchard Avenue	0.39	0.39	0.28	0.30	0.37	0.43	0.52	0.57	0.51	0.48	0.48	0.52	0.58	0.47
128 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
129 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
130 Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
131 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
132 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03
134 Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08
135 Poderosa	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
136 Port Townsend Mill	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
137 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
138 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
139 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
140 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
141 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
142 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
143 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
144 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
145 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
146 Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64
147 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
148 Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40
149 Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40
150 Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
151 Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36
152 Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11
153 Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86
154 Skookumchuck	0.81	0.81	0.51	0.58	0.64	0.78	0.92	0.80	0.84	0.94	0.94	1.04	1.03	0.92
155 Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
156 Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03
157 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
158 South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47
159 Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
160 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162 Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
163 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09

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164 Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
165 Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4
166 Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10
167 Syqitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03
169 Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
170 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
171 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
172 Twin Falls (WA)	12.2	12.2	7.31	7.18	9.06	11.7	11.4	11.7	12.1	13.2	13.2	14.3	14.7	14.0
173 Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
174 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
175 Walla Walla	1.74	1.74	1.04	1.15	1.38	1.66	1.75	1.92	1.70	1.89	1.89	2.03	2.34	1.99
176 Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07
177 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70
178 Weeks Falls	2.18	2.18	1.31	1.25	1.61	2.08	2.00	2.05	2.14	2.37	2.37	2.55	2.61	2.50
179 White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
180 White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07
181 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	0.47	0.47	0.32	0.40	0.47	0.51	0.59	0.45	0.55	0.60	0.60	0.66	0.80	0.60
186 Yakama Drop 3	0.22	0.22	0.17	0.20	0.24	0.25	0.22	0.22	0.20	0.21	0.21	0.30	0.41	0.30
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	2.19	2.19	1.97	1.98	1.98	2.45	2.53	2.89	2.46	2.84	2.84	3.36	3.72	3.05
190 Direct Service Industry	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
191 Federal Entities	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
192 Investor Owned Utilities	198	198	168	137	137	130	125	135	155	195	196	233	232	216
193 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
194 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
195 Public Utility District	22.7	22.7	20.6	18.7	19.4	18.9	19.2	19.9	30.5	35.8	35.8	34.4	32.4	24.3
196 Total Small Hydro	367	365	284	201	168	161	156	169	207	324	325	446	463	443

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Small Hydro														
1 Albany-Millersburg Hydroelectric	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
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	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
13 Birch Creek (Gooding, ID)	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
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 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
18 Briqqs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
19 Briqqs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
20 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
21 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
22 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 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
25 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
26 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
27 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09
28 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
30 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
31 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30
32 Central Oregon Siphon	3.47	3.47	3.28	2.79	3.66	4.88	4.35	4.81	5.30	5.41	5.41	5.59	5.09	4.93
33 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
34 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
35 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43
36 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
37 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Cowiche	0.49	0.49	0.36	0.36	0.45	0.55	0.66	0.73	0.65	0.61	0.61	0.69	0.72	0.63
39 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
40 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01
42 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
43 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
45 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
46 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52
47 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
48 Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
49 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
50 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
51 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
52 Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20
53 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
54 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0
55 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
56 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08
57 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45
58 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27
59 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82
60 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23
61 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
62 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10
63 Foray	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54
65 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97
66 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0
67 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
68 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
69 Hailey	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
70 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
71 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
72 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
73 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
74 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
75 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
76 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
77 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
78 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
79 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
80 Juniper Ridge Hydro	1.23	1.23	1.17	1.25	1.51	1.86	2.22	2.47	2.38	2.04	2.04	1.97	1.90	1.74
81 Kasel-Withersppon	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

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82 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
83 Koma Kulshan	5.48	5.48	3.42	4.15	5.22	5.98	5.51	6.05	6.38	6.71	6.71	7.51	8.27	6.85
84 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
85 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
86 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
87 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
88 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
89 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
90 Le Moyne	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
91 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
92 Lilliwaup Falls	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
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	1.50	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
95 Little Wood River Ranch	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
96 Little Wood River Reservoir	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
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	1.88	1.88	1.82
115 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
118 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15

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123 North Gooding Main	1.30	1.30	1.30	1.30	0	0	0	0	0	0	1.30	1.30	1.30	1.30
124 O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10
125 Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03
126 Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23
127 Orchard Avenue	0.39	0.39	0.28	0.30	0.37	0.43	0.52	0.57	0.51	0.48	0.48	0.52	0.58	0.47
128 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
129 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
130 Pancheri	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0.01
131 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
132 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03
134 Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08
135 Poderosa	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
136 Port Townsend Mill	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
137 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
138 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
139 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
140 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
141 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
142 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
143 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
144 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
145 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
146 Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64
147 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
148 Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40
149 Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40
150 Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
151 Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36
152 Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11
153 Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86
154 Skookumchuck	0.81	0.81	0.51	0.58	0.64	0.78	0.92	0.80	0.84	0.94	0.94	1.04	1.03	0.92
155 Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
156 Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03
157 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
158 South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47
159 Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
160 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162 Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
163 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09

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164 Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
165 Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4
166 Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10
167 Syqitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03
169 Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
170 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
171 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
172 Twin Falls (WA)	12.2	12.2	7.31	7.18	9.06	11.7	11.4	11.7	12.1	13.2	13.2	14.3	14.7	14.0
173 Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
174 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
175 Walla Walla	1.74	1.74	1.04	1.15	1.38	1.66	1.75	1.92	1.70	1.89	1.89	2.03	2.34	1.99
176 Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07
177 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70
178 Weeks Falls	2.18	2.18	1.31	1.25	1.61	2.08	2.00	2.05	2.14	2.37	2.37	2.55	2.61	2.50
179 White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
180 White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07
181 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	0.47	0.47	0.32	0.40	0.47	0.51	0.59	0.45	0.55	0.60	0.60	0.66	0.80	0.60
186 Yakama Drop 3	0.22	0.22	0.17	0.20	0.24	0.25	0.22	0.22	0.20	0.21	0.21	0.30	0.41	0.30
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	2.19	2.19	1.97	1.98	1.98	2.45	2.53	2.89	2.46	2.84	2.84	3.36	3.72	3.05
190 Direct Service Industry	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
191 Federal Entities	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
192 Investor Owned Utilities	198	198	168	137	137	130	125	135	155	195	196	233	232	216
193 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
194 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
195 Public Utility District	22.7	22.7	20.6	18.7	19.4	18.9	19.2	19.9	30.5	35.8	35.8	34.4	32.4	24.3
196 Total Small Hydro	367	365	284	201	168	161	156	169	207	324	325	445	463	443

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Small Hydro														
1 Albany-Millersburg Hydroelectric	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
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	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
13 Birch Creek (Gooding, ID)	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
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 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
18 Briqqs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
19 Briqqs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
20 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
21 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
22 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 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
25 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
26 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
27 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09
28 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
30 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
31 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30
32 Central Oregon Siphon	3.47	3.47	3.28	2.79	3.66	4.88	4.35	4.81	5.30	5.41	5.41	5.59	5.09	4.93
33 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
34 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
35 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43
36 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
37 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Cowiche	0.49	0.49	0.36	0.36	0.45	0.55	0.66	0.73	0.65	0.61	0.61	0.69	0.72	0.63
39 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
40 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01
42 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
43 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
45 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
46 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52
47 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
48 Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
49 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
50 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
51 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
52 Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20
53 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
54 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0
55 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
56 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08
57 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45
58 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27
59 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82
60 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23
61 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
62 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10
63 Foray	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54
65 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97
66 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0
67 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
68 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
69 Hailey	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
70 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
71 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
72 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
73 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
74 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
75 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
76 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
77 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
78 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
79 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
80 Juniper Ridge Hydro	1.23	1.23	1.17	1.25	1.51	1.86	2.22	2.47	2.38	2.04	2.04	1.97	1.90	1.74
81 Kasel-Withersppon	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

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82 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
83 Koma Kulshan	5.48	5.48	3.42	4.15	5.22	5.98	5.51	6.05	6.38	6.71	6.71	7.51	8.27	6.85
84 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
85 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
86 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
87 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
88 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
89 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
90 Le Moyne	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
91 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
92 Lilliwaup Falls	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
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	1.50	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
95 Little Wood River Ranch	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
96 Little Wood River Reservoir	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
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	1.88	1.88	1.82
115 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
118 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
123 North Gooding Main	1.30	1.30	1.30	1.30	0	0	0	0	0	0	1.30	1.30	1.30	1.30
124 O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10
125 Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03
126 Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23
127 Orchard Avenue	0.39	0.39	0.28	0.30	0.37	0.43	0.52	0.57	0.51	0.48	0.48	0.52	0.58	0.47
128 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
129 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
130 Pancheri	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0.01
131 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
132 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03
134 Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08
135 Poderosa	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
136 Port Townsend Mill	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
137 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
138 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
139 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
140 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
141 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
142 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
143 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
144 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
145 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
146 Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64
147 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
148 Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40
149 Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40
150 Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
151 Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36
152 Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11
153 Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86
154 Skookumchuck	0.81	0.81	0.51	0.58	0.64	0.78	0.92	0.80	0.84	0.94	0.94	1.04	1.03	0.92
155 Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
156 Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03
157 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
158 South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47
159 Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
160 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162 Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
163 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
164 Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
165 Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4
166 Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10
167 Syqitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03
169 Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
170 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
171 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
172 Twin Falls (WA)	12.2	12.2	7.31	7.18	9.06	11.7	11.4	11.7	12.1	13.2	13.2	14.3	14.7	14.0
173 Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
174 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
175 Walla Walla	1.74	1.74	1.04	1.15	1.38	1.66	1.75	1.92	1.70	1.89	1.89	2.03	2.34	1.99
176 Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07
177 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70
178 Weeks Falls	2.18	2.18	1.31	1.25	1.61	2.08	2.00	2.05	2.14	2.37	2.37	2.55	2.61	2.50
179 White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
180 White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07
181 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	0.47	0.47	0.32	0.40	0.47	0.51	0.59	0.45	0.55	0.60	0.60	0.66	0.80	0.60
186 Yakama Drop 3	0.22	0.22	0.17	0.20	0.24	0.25	0.22	0.22	0.20	0.21	0.21	0.30	0.41	0.30
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	2.19	2.19	1.97	1.98	1.98	2.45	2.53	2.89	2.46	2.84	2.84	3.36	3.72	3.05
190 Direct Service Industry	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
191 Federal Entities	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
192 Investor Owned Utilities	198	198	168	137	137	130	125	135	155	195	196	233	232	216
193 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
194 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
195 Public Utility District	22.7	22.7	20.6	18.7	19.4	18.9	19.2	19.9	30.5	35.8	35.8	34.4	32.4	24.3
196 Total Small Hydro	367	365	284	201	168	161	156	169	207	324	325	445	463	443

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Small Hydro														
1 Albany-Millersburg Hydroelectric	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
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	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
13 Birch Creek (Gooding, ID)	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
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 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
18 Briqqs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
19 Briqqs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
20 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
21 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
22 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 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
25 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
26 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
27 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09
28 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
30 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
31 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30
32 Central Oregon Siphon	3.47	3.47	3.28	2.79	3.66	4.88	4.35	4.81	5.30	5.41	5.41	5.59	5.09	4.93
33 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
34 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
35 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43
36 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
37 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Cowiche	0.49	0.49	0.36	0.36	0.45	0.55	0.66	0.73	0.65	0.61	0.61	0.69	0.72	0.63
39 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
40 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01
42 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
43 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
45 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
46 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52
47 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
48 Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
49 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
50 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
51 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
52 Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20
53 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
54 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0
55 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
56 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08
57 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45
58 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27
59 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82
60 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23
61 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
62 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10
63 Foray	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54
65 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97
66 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0
67 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
68 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
69 Hailey	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
70 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
71 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
72 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
73 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
74 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
75 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
76 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
77 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
78 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
79 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
80 Juniper Ridge Hydro	1.23	1.23	1.17	1.25	1.51	1.86	2.22	2.47	2.38	2.04	2.04	1.97	1.90	1.74
81 Kasel-Withersppon	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

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82 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
83 Koma Kulshan	5.48	5.48	3.42	4.15	5.22	5.98	5.51	6.05	6.38	6.71	6.71	7.51	8.27	6.85
84 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
85 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
86 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
87 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
88 Lake Osweego	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
89 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
90 Le Moyne	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
91 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
92 Lilliwaup Falls	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
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	1.50	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
95 Little Wood River Ranch	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
96 Little Wood River Reservoir	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
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	1.88	1.88	1.82
115 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
118 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15

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123 North Gooding Main	1.30	1.30	1.30	1.30	0	0	0	0	0	0	1.30	1.30	1.30	1.30
124 O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10
125 Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03
126 Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23
127 Orchard Avenue	0.39	0.39	0.28	0.30	0.37	0.43	0.52	0.57	0.51	0.48	0.48	0.52	0.58	0.47
128 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
129 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
130 Pancheri	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0.01
131 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
132 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03
134 Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08
135 Poderosa	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
136 Port Townsend Mill	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
137 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
138 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
139 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
140 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
141 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
142 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
143 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
144 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
145 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
146 Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64
147 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
148 Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40
149 Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40
150 Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
151 Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36
152 Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11
153 Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86
154 Skookumchuck	0.81	0.81	0.51	0.58	0.64	0.78	0.92	0.80	0.84	0.94	0.94	1.04	1.03	0.92
155 Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
156 Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03
157 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
158 South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47
159 Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
160 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162 Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
163 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09

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164 Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
165 Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4
166 Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10
167 Syqitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03
169 Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
170 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
171 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
172 Twin Falls (WA)	12.2	12.2	7.31	7.18	9.06	11.7	11.4	11.7	12.1	13.2	13.2	14.3	14.7	14.0
173 Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
174 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
175 Walla Walla	1.74	1.74	1.04	1.15	1.38	1.66	1.75	1.92	1.70	1.89	1.89	2.03	2.34	1.99
176 Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07
177 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70
178 Weeks Falls	2.18	2.18	1.31	1.25	1.61	2.08	2.00	2.05	2.14	2.37	2.37	2.55	2.61	2.50
179 White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
180 White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07
181 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	0.47	0.47	0.32	0.40	0.47	0.51	0.59	0.45	0.55	0.60	0.60	0.66	0.80	0.60
186 Yakama Drop 3	0.22	0.22	0.17	0.20	0.24	0.25	0.22	0.22	0.20	0.21	0.21	0.30	0.41	0.30
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	2.19	2.19	1.97	1.98	1.98	2.45	2.53	2.89	2.46	2.84	2.84	3.36	3.72	3.05
190 Direct Service Industry	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
191 Federal Entities	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
192 Investor Owned Utilities	198	198	168	137	137	130	125	135	155	195	196	233	232	216
193 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
194 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
195 Public Utility District	22.7	22.7	20.6	18.7	19.4	18.9	19.2	19.9	30.5	35.8	35.8	34.4	32.4	24.3
196 Total Small Hydro	367	365	284	201	168	161	156	169	207	324	325	445	463	443

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Small Hydro														
1 Albany-Millersburg Hydroelectric	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
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	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
13 Birch Creek (Gooding, ID)	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
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 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
18 Briqqs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
19 Briqqs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
20 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
21 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
22 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 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
25 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
26 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
27 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09
28 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
30 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
31 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30
32 Central Oregon Siphon	3.47	3.47	3.28	2.79	3.66	4.88	4.35	4.81	5.30	5.41	5.41	5.59	5.09	4.93
33 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
34 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
35 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43
36 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
37 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Cowiche	0.49	0.49	0.36	0.36	0.45	0.55	0.66	0.73	0.65	0.61	0.61	0.69	0.72	0.63
39 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
40 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01
42 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
43 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
45 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
46 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52
47 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
48 Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
49 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
50 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
51 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
52 Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20
53 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
54 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0
55 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
56 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08
57 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45
58 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27
59 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82
60 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23
61 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
62 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10
63 Foray	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54
65 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97
66 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0
67 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
68 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
69 Hailey	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
70 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
71 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
72 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
73 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
74 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
75 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
76 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
77 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
78 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
79 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
80 Juniper Ridge Hydro	1.23	1.23	1.17	1.25	1.51	1.86	2.22	2.47	2.38	2.04	2.04	1.97	1.90	1.74
81 Kasel-Withersppon	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

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82 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
83 Koma Kulshan	5.48	5.48	3.42	4.15	5.22	5.98	5.51	6.05	6.38	6.71	6.71	7.51	8.27	6.85
84 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
85 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
86 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
87 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
88 Lake Osweego	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
89 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
90 Le Moyne	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
91 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
92 Lilliwaup Falls	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
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	1.50	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
95 Little Wood River Ranch	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
96 Little Wood River Reservoir	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
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	1.88	1.88	1.82
115 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
118 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15

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123 North Gooding Main	1.30	1.30	1.30	1.30	0	0	0	0	0	0	1.30	1.30	1.30	1.30
124 O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10
125 Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03
126 Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23
127 Orchard Avenue	0.39	0.39	0.28	0.30	0.37	0.43	0.52	0.57	0.51	0.48	0.48	0.52	0.58	0.47
128 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
129 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
130 Pancheri	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0.01
131 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
132 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03
134 Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08
135 Poderosa	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
136 Port Townsend Mill	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
137 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
138 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
139 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
140 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
141 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
142 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
143 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
144 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
145 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
146 Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64
147 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
148 Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40
149 Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40
150 Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
151 Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36
152 Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11
153 Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86
154 Skookumchuck	0.81	0.81	0.51	0.58	0.64	0.78	0.92	0.80	0.84	0.94	0.94	1.04	1.03	0.92
155 Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
156 Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03
157 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
158 South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47
159 Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
160 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162 Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
163 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09

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164 Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
165 Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4
166 Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10
167 Syqitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03
169 Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
170 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
171 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
172 Twin Falls (WA)	12.2	12.2	7.31	7.18	9.06	11.7	11.4	11.7	12.1	13.2	13.2	14.3	14.7	14.0
173 Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
174 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
175 Walla Walla	1.74	1.74	1.04	1.15	1.38	1.66	1.75	1.92	1.70	1.89	1.89	2.03	2.34	1.99
176 Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07
177 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70
178 Weeks Falls	2.18	2.18	1.31	1.25	1.61	2.08	2.00	2.05	2.14	2.37	2.37	2.55	2.61	2.50
179 White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
180 White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07
181 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	0.47	0.47	0.32	0.40	0.47	0.51	0.59	0.45	0.55	0.60	0.60	0.66	0.80	0.60
186 Yakama Drop 3	0.22	0.22	0.17	0.20	0.24	0.25	0.22	0.22	0.20	0.21	0.21	0.30	0.41	0.30
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	2.19	2.19	1.97	1.98	1.98	2.45	2.53	2.89	2.46	2.84	2.84	3.36	3.72	3.05
190 Direct Service Industry	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
191 Federal Entities	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
192 Investor Owned Utilities	198	198	168	137	137	130	125	135	155	195	196	233	232	216
193 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
194 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
195 Public Utility District	22.7	22.7	20.6	18.7	19.4	18.9	19.2	19.9	30.5	35.8	35.8	34.4	32.4	24.3
196 Total Small Hydro	367	365	284	201	168	161	156	169	207	324	325	445	463	443

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Small Hydro														
1 Albany-Millersburg Hydroelectric	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
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	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
13 Birch Creek (Gooding, ID)	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
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 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
18 Briqqs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
19 Briqqs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
20 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
21 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
22 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 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
25 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
26 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
27 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09
28 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
30 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
31 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30
32 Central Oregon Siphon	3.47	3.47	3.28	2.79	3.66	4.88	4.35	4.81	5.30	5.41	5.41	5.59	5.09	4.93
33 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
34 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
35 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43
36 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
37 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Cowiche	0.49	0.49	0.36	0.36	0.45	0.55	0.66	0.73	0.65	0.61	0.61	0.69	0.72	0.63
39 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
40 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01
42 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
43 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
45 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
46 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52
47 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
48 Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
49 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
50 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
51 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
52 Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20
53 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
54 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0
55 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
56 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08
57 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45
58 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27
59 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82
60 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23
61 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
62 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10
63 Foray	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54
65 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97
66 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0
67 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
68 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
69 Hailey	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
70 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
71 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
72 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
73 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
74 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
75 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
76 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
77 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
78 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
79 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
80 Juniper Ridge Hydro	1.23	1.23	1.17	1.25	1.51	1.86	2.22	2.47	2.38	2.04	2.04	1.97	1.90	1.74
81 Kasel-Withersppon	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

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
82 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
83 Koma Kulshan	5.48	5.48	3.42	4.15	5.22	5.98	5.51	6.05	6.38	6.71	6.71	7.51	8.27	6.85
84 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
85 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
86 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
87 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
88 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
89 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
90 Le Moyne	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
91 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
92 Lilliwaup Falls	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
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	1.50	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
95 Little Wood River Ranch	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
96 Little Wood River Reservoir	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
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	1.88	1.88	1.82
115 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
118 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15

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123 North Gooding Main	1.30	1.30	1.30	1.30	0	0	0	0	0	0	1.30	1.30	1.30	1.30
124 O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10
125 Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03
126 Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23
127 Orchard Avenue	0.39	0.39	0.28	0.30	0.37	0.43	0.52	0.57	0.51	0.48	0.48	0.52	0.58	0.47
128 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
129 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
130 Pancheri	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0.01
131 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
132 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03
134 Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08
135 Poderosa	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
136 Port Townsend Mill	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
137 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
138 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
139 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
140 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
141 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
142 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
143 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
144 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
145 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
146 Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64
147 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
148 Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40
149 Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40
150 Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
151 Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36
152 Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11
153 Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86
154 Skookumchuck	0.81	0.81	0.51	0.58	0.64	0.78	0.92	0.80	0.84	0.94	0.94	1.04	1.03	0.92
155 Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
156 Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03
157 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
158 South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47
159 Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
160 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162 Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
163 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09

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164 Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
165 Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4
166 Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10
167 Syqitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03
169 Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
170 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
171 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
172 Twin Falls (WA)	12.2	12.2	7.31	7.18	9.06	11.7	11.4	11.7	12.1	13.2	13.2	14.3	14.7	14.0
173 Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
174 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
175 Walla Walla	1.74	1.74	1.04	1.15	1.38	1.66	1.75	1.92	1.70	1.89	1.89	2.03	2.34	1.99
176 Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07
177 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70
178 Weeks Falls	2.18	2.18	1.31	1.25	1.61	2.08	2.00	2.05	2.14	2.37	2.37	2.55	2.61	2.50
179 White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
180 White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07
181 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	0.47	0.47	0.32	0.40	0.47	0.51	0.59	0.45	0.55	0.60	0.60	0.66	0.80	0.60
186 Yakama Drop 3	0.22	0.22	0.17	0.20	0.24	0.25	0.22	0.22	0.20	0.21	0.21	0.30	0.41	0.30
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	2.19	2.19	1.97	1.98	1.98	2.45	2.53	2.89	2.46	2.84	2.84	3.36	3.72	3.05
190 Direct Service Industry	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
191 Federal Entities	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
192 Investor Owned Utilities	198	198	168	137	137	130	125	135	155	195	196	233	232	216
193 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
194 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
195 Public Utility District	22.7	22.7	20.6	18.7	19.4	18.9	19.2	19.9	30.5	35.8	35.8	34.4	32.4	24.3
196 Total Small Hydro	367	365	284	201	168	161	156	169	207	324	325	445	463	443

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Small Hydro														
1 Albany-Millersburg Hydroelectric	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
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	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
13 Birch Creek (Gooding, ID)	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
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 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
18 Briqqs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
19 Briqqs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
20 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
21 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
22 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 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
25 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
26 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
27 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09
28 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
30 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
31 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30
32 Central Oregon Siphon	3.47	3.47	3.28	2.79	3.66	4.88	4.35	4.81	5.30	5.41	5.41	5.59	5.09	4.93
33 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
34 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
35 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43
36 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
37 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Cowiche	0.49	0.49	0.36	0.36	0.45	0.55	0.66	0.73	0.65	0.61	0.61	0.69	0.72	0.63
39 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
40 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01
42 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
43 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
45 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
46 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52
47 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
48 Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
49 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
50 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
51 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
52 Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20
53 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
54 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0
55 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
56 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08
57 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45
58 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27
59 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82
60 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23
61 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
62 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10
63 Foray	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54
65 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97
66 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0
67 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
68 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
69 Hailey	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
70 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
71 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
72 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
73 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
74 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
75 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
76 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
77 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
78 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
79 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
80 Juniper Ridge Hydro	1.23	1.23	1.17	1.25	1.51	1.86	2.22	2.47	2.38	2.04	2.04	1.97	1.90	1.74
81 Kasel-Withersppon	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

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82 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
83 Koma Kulshan	5.48	5.48	3.42	4.15	5.22	5.98	5.51	6.05	6.38	6.71	6.71	7.51	8.27	6.85
84 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
85 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
86 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
87 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
88 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
89 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
90 Le Moyne	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
91 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
92 Lilliwaup Falls	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
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	1.50	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
95 Little Wood River Ranch	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
96 Little Wood River Reservoir	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
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	1.88	1.88	1.82
115 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
118 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
123 North Gooding Main	1.30	1.30	1.30	1.30	0	0	0	0	0	0	1.30	1.30	1.30	1.30
124 O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10
125 Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03
126 Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23
127 Orchard Avenue	0.39	0.39	0.28	0.30	0.37	0.43	0.52	0.57	0.51	0.48	0.48	0.52	0.58	0.47
128 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
129 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
130 Pancheri	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0.01
131 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
132 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03
134 Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08
135 Poderosa	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
136 Port Townsend Mill	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
137 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
138 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
139 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
140 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
141 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
142 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
143 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
144 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
145 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
146 Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64
147 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
148 Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40
149 Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40
150 Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
151 Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36
152 Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11
153 Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86
154 Skookumchuck	0.81	0.81	0.51	0.58	0.64	0.78	0.92	0.80	0.84	0.94	0.94	1.04	1.03	0.92
155 Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
156 Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03
157 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
158 South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47
159 Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
160 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162 Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
163 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
164 Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
165 Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4
166 Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10
167 Syqitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03
169 Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
170 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
171 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
172 Twin Falls (WA)	12.2	12.2	7.31	7.18	9.06	11.7	11.4	11.7	12.1	13.2	13.2	14.3	14.7	14.0
173 Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
174 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
175 Walla Walla	1.74	1.74	1.04	1.15	1.38	1.66	1.75	1.92	1.70	1.89	1.89	2.03	2.34	1.99
176 Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07
177 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70
178 Weeks Falls	2.18	2.18	1.31	1.25	1.61	2.08	2.00	2.05	2.14	2.37	2.37	2.55	2.61	2.50
179 White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
180 White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07
181 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	0.47	0.47	0.32	0.40	0.47	0.51	0.59	0.45	0.55	0.60	0.60	0.66	0.80	0.60
186 Yakama Drop 3	0.22	0.22	0.17	0.20	0.24	0.25	0.22	0.22	0.20	0.21	0.21	0.30	0.41	0.30
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	2.19	2.19	1.97	1.98	1.98	2.45	2.53	2.89	2.46	2.84	2.84	3.36	3.72	3.05
190 Direct Service Industry	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
191 Federal Entities	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
192 Investor Owned Utilities	198	198	168	137	137	130	125	135	155	195	196	233	232	216
193 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
194 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
195 Public Utility District	22.7	22.7	20.6	18.7	19.4	18.9	19.2	19.9	30.5	35.8	35.8	34.4	32.4	24.3
196 Total Small Hydro	367	365	284	201	168	161	156	169	207	324	325	445	463	443

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Small Hydro														
1 Albany-Millersburg Hydroelectric	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
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	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
13 Birch Creek (Gooding, ID)	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
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 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
18 Briqqs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
19 Briqqs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
20 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
21 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
22 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 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
25 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
26 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
27 Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09
28 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
30 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
31 Cedar Draw Creek	0.30	0.30	0.92	0.89	0.92	1.16	1.16	1.28	0.42	0.43	0.43	0.42	0.31	0.30
32 Central Oregon Siphon	3.47	3.47	3.28	2.79	3.66	4.88	4.35	4.81	5.30	5.41	5.41	5.59	5.09	4.93
33 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
34 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
35 Clear Springs Trout	0.43	0.43	0.44	0.52	0.60	0.56	0.41	0.47	0.35	0.35	0.35	0.35	0.36	0.43
36 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
37 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Cowiche	0.49	0.49	0.36	0.36	0.45	0.55	0.66	0.73	0.65	0.61	0.61	0.69	0.72	0.63
39 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
40 Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01
42 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
43 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
45 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
46 Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52
47 Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
48 Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
49 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
50 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
51 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
52 Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20
53 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
54 Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0
55 Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
56 Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08
57 Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45
58 Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27
59 Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82
60 Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23
61 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
62 Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10
63 Foray	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54
65 Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97
66 Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0
67 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
68 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
69 Hailey	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
70 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
71 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
72 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
73 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
74 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
75 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
76 James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
77 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
78 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
79 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
80 Juniper Ridge Hydro	1.23	1.23	1.17	1.25	1.51	1.86	2.22	2.47	2.38	2.04	2.04	1.97	1.90	1.74
81 Kasel-Withersppon	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

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82 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
83 Koma Kulshan	5.48	5.48	3.42	4.15	5.22	5.98	5.51	6.05	6.38	6.71	6.71	7.51	8.27	6.85
84 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
85 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
86 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
87 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
88 Lake Osweego	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
89 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
90 Le Moyne	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
91 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
92 Lilliwaup Falls	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
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	1.50	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
95 Little Wood River Ranch	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
96 Little Wood River Reservoir	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
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	1.88	1.88	1.82
115 Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
116 Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117 Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
118 Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119 N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120 Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121 Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122 North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15

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123 North Gooding Main	1.30	1.30	1.30	1.30	0	0	0	0	0	0	1.30	1.30	1.30	1.30
124 O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10
125 Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03
126 Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23
127 Orchard Avenue	0.39	0.39	0.28	0.30	0.37	0.43	0.52	0.57	0.51	0.48	0.48	0.52	0.58	0.47
128 Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07
129 Owyhee Tunnel No 1	5.05	5.05	3.02	0.64	0	0	0	0	2.78	6.02	6.02	6.89	6.91	7.00
130 Pancheri	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0.01
131 PEC Headworks	4.50	4.50	3.10	3.00	0	0	0	0	2.80	5.10	5.10	6.50	6.20	5.80
132 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03
134 Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08
135 Poderosa	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
136 Port Townsend Mill	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
137 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
138 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
139 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
140 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
141 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
142 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
143 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
144 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
145 Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
146 Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64
147 Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
148 Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40
149 Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40
150 Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
151 Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36
152 Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11
153 Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86
154 Skookumchuck	0.81	0.81	0.51	0.58	0.64	0.78	0.92	0.80	0.84	0.94	0.94	1.04	1.03	0.92
155 Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
156 Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03
157 Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
158 South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47
159 Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
160 Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161 Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162 Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
163 Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09

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164 Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
165 Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4
166 Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10
167 Syqitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03
169 Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
170 Tieton Dam (Yakima)	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
171 Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
172 Twin Falls (WA)	12.2	12.2	7.31	7.18	9.06	11.7	11.4	11.7	12.1	13.2	13.2	14.3	14.7	14.0
173 Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
174 Upriver Dam	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
175 Walla Walla	1.74	1.74	1.04	1.15	1.38	1.66	1.75	1.92	1.70	1.89	1.89	2.03	2.34	1.99
176 Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07
177 Watson Hydro	0.70	0.70	0.70	0.70	0.70	0	0	0	0.70	0.70	0.70	0.70	0.70	0.70
178 Weeks Falls	2.18	2.18	1.31	1.25	1.61	2.08	2.00	2.05	2.14	2.37	2.37	2.55	2.61	2.50
179 White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
180 White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07
181 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	0.47	0.47	0.32	0.40	0.47	0.51	0.59	0.45	0.55	0.60	0.60	0.66	0.80	0.60
186 Yakama Drop 3	0.22	0.22	0.17	0.20	0.24	0.25	0.22	0.22	0.20	0.21	0.21	0.30	0.41	0.30
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	2.19	2.19	1.97	1.98	1.98	2.45	2.53	2.89	2.46	2.84	2.84	3.36	3.72	3.05
190 Direct Service Industry	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
191 Federal Entities	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
192 Investor Owned Utilities	198	198	168	137	137	130	125	135	155	195	196	233	232	216
193 Marketer	0.68	0.68	0.46	0.41	0	0	0	0	0	0.51	0.51	0.51	0.56	0.51
194 Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
195 Public Utility District	22.7	22.7	20.6	18.7	19.4	18.9	19.2	19.9	30.5	35.8	35.8	34.4	32.4	24.3
196 Total Small Hydro	367	365	284	201	168	161	156	169	207	324	325	445	463	443

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Exhibit 6
Regional Non-Hydro Renewable - Wind

Monthly Capacity
Operating Year 2020 to 2029

Regional: Non-Hydro Renewable - Wind
Operating Year: 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
1 3 Bar G Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Bennett Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 Benson Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 Big Horn Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Biglow Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Burley Butte Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7 Camp Reed Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Cassia Farms Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Cassia Gulch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 Chopin Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11 Cold Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Combine Hills Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13 Condon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14 Deep Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 Desert Meadow Windfarm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Durbin Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Echo Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Elkhorn Valley Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Foote Creek 1 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Foote Creek 2 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 Foote Creek 4 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Fossil Gulch Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Golden Valley Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Goodnoe Hills Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Goshen North (Ridgeline Wind)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Grayland Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Hammett Hill Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Harvest Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Hay Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Healow 2 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 High Mesa Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Hopkins Ridge Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33 Horse Butte Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 Horseshoe Bend Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Hot Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 Jett Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37 Josef Staufer - Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Juniper Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 Kittitas Valley Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40 Klondike Wind 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 Klondike Wind 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42 Klondike Wind 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 Klondike Wind 3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 Knudson Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Leaning Juniper Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Wind
Operating Year: 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
46 Lewandowski Farms Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Lime Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48 Linden Ranch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 Livingston Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50 Lower Snake Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 Mainline Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 Marengo Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53 Meadow Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54 Milner Dam Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55 Montague	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56 Nine Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57 Oregon Trail Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58 Palouse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59 PaTu Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60 Paynes Ferry Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Pebble Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 Pilgrim Stage Station Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Power County Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64 Prospector Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65 Rattlesnake Road Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66 Rock River Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67 Rockland wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68 Ryegrass Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69 Salmon Falls Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70 Sawtooth Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71 Shepherds Flat Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72 Star Point Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73 Stateline Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74 Swauk Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75 Thousand Springs Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76 Threemile Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77 Tuana Gulch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78 Tuana Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79 Two Ponds Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80 Vansycle Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81 Vantage Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82 Wheat Field Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83 White Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84 Wild Horse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85 Willow Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86 Willow Spring Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87 Windy Point Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88 Wolverine Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89 Yahoo Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90 Total Non-Hydro Renewable - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Non-Hydro Renewable - Wind
Operating Year: 2021 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
1 3 Bar G Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Bennett Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 Benson Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 Big Horn Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Biglow Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Burley Butte Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7 Camp Reed Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Cassia Farms Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Cassia Gulch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 Chopin Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11 Cold Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Combine Hills Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13 Condon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14 Deep Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 Desert Meadow Windfarm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Durbin Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Echo Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Elkhorn Valley Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Foote Creek 1 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Foote Creek 2 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 Foote Creek 4 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Fossil Gulch Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Golden Valley Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Goodnoe Hills Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Goshen North (Ridgeline Wind)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Grayland Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Hammett Hill Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Harvest Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Hay Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Healow 2 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 High Mesa Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Hopkins Ridge Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33 Horse Butte Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 Horseshoe Bend Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Hot Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 Jett Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37 Josef Staufer - Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Juniper Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 Kittitas Valley Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40 Klondike Wind 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 Klondike Wind 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42 Klondike Wind 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 Klondike Wind 3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 Knudson Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Leaning Juniper Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Wind
Operating Year: 2021 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
46 Lewandowski Farms Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Lime Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48 Linden Ranch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 Livingston Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50 Lower Snake Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 Mainline Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 Marengo Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53 Meadow Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54 Milner Dam Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55 Montague	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56 Nine Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57 Oregon Trail Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58 Palouse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59 PaTu Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60 Paynes Ferry Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Pebble Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 Pilgrim Stage Station Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Power County Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64 Prospector Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65 Rattlesnake Road Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66 Rock River Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67 Rockland wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68 Ryegrass Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69 Salmon Falls Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70 Sawtooth Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71 Shepherds Flat Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72 Star Point Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73 Stateline Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74 Swauk Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75 Thousand Springs Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76 Threemile Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77 Tuana Gulch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78 Tuana Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79 Two Ponds Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80 Vansycle Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81 Vantage Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82 Wheat Field Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83 White Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84 Wild Horse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85 Willow Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86 Willow Spring Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87 Windy Point Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88 Wolverine Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89 Yahoo Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90 Total Non-Hydro Renewable - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Non-Hydro Renewable - Wind
Operating Year: 2022 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
1 3 Bar G Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Bennett Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 Benson Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 Big Horn Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Biglow Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Burley Butte Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7 Camp Reed Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Cassia Farms Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Cassia Gulch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 Chopin Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11 Cold Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Combine Hills Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13 Condon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14 Deep Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 Desert Meadow Windfarm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Durbin Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Echo Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Elkhorn Valley Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Foote Creek 1 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Foote Creek 2 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 Foote Creek 4 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Fossil Gulch Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Golden Valley Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Goodnoe Hills Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Goshen North (Ridgeline Wind)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Grayland Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Hammett Hill Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Harvest Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Hay Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Healow 2 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 High Mesa Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Hopkins Ridge Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33 Horse Butte Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 Horseshoe Bend Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Hot Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 Jett Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37 Josef Staufer - Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Juniper Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 Kittitas Valley Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40 Klondike Wind 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 Klondike Wind 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42 Klondike Wind 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 Klondike Wind 3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 Knudson Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Leaning Juniper Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Wind
Operating Year: 2022 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
46 Lewandowski Farms Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Lime Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48 Linden Ranch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 Livingston Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50 Lower Snake Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 Mainline Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 Marengo Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53 Meadow Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54 Milner Dam Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55 Montague	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56 Nine Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57 Oregon Trail Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58 Palouse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59 PaTu Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60 Paynes Ferry Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Pebble Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 Pilgrim Stage Station Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Power County Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64 Prospector Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65 Rattlesnake Road Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66 Rock River Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67 Rockland wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68 Ryegrass Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69 Salmon Falls Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70 Sawtooth Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71 Shepherds Flat Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72 Star Point Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73 Stateline Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74 Swauk Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75 Thousand Springs Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76 Threemile Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77 Tuana Gulch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78 Tuana Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79 Two Ponds Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80 Vansycle Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81 Vantage Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82 Wheat Field Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83 White Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84 Wild Horse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85 Willow Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86 Willow Spring Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87 Windy Point Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88 Wolverine Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89 Yahoo Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90 Total Non-Hydro Renewable - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Non-Hydro Renewable - Wind
Operating Year: 2023 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
1 3 Bar G Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Bennett Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 Benson Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 Big Horn Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Biglow Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Burley Butte Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7 Camp Reed Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Cassia Farms Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Cassia Gulch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 Chopin Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11 Cold Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Combine Hills Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13 Condon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14 Deep Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 Desert Meadow Windfarm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Durbin Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Echo Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Elkhorn Valley Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Foote Creek 1 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Foote Creek 2 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 Foote Creek 4 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Fossil Gulch Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Golden Valley Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Goodnoe Hills Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Goshen North (Ridgeline Wind)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Grayland Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Hammett Hill Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Harvest Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Hay Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Healow 2 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 High Mesa Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Hopkins Ridge Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33 Horse Butte Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 Horseshoe Bend Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Hot Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 Jett Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37 Josef Staufer - Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Juniper Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 Kittitas Valley Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40 Klondike Wind 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 Klondike Wind 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42 Klondike Wind 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 Klondike Wind 3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 Knudson Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Leaning Juniper Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Wind
Operating Year: 2023 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
46 Lewandowski Farms Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Lime Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48 Linden Ranch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 Livingston Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50 Lower Snake Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 Mainline Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 Marengo Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53 Meadow Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54 Milner Dam Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55 Montague	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56 Nine Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57 Oregon Trail Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58 Palouse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59 PaTu Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60 Paynes Ferry Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Pebble Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 Pilgrim Stage Station Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Power County Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64 Prospector Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65 Rattlesnake Road Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66 Rock River Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67 Rockland wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68 Ryegrass Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69 Salmon Falls Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70 Sawtooth Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71 Shepherds Flat Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72 Star Point Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73 Stateline Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74 Swauk Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75 Thousand Springs Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76 Threemile Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77 Tuana Gulch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78 Tuana Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79 Two Ponds Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80 Vansycle Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81 Vantage Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82 Wheat Field Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83 White Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84 Wild Horse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85 Willow Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86 Willow Spring Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87 Windy Point Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88 Wolverine Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89 Yahoo Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90 Total Non-Hydro Renewable - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Non-Hydro Renewable - Wind
Operating Year: 2024 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
1 3 Bar G Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Bennett Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 Benson Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 Big Horn Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Biglow Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Burley Butte Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7 Camp Reed Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Cassia Farms Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Cassia Gulch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 Chopin Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11 Cold Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Combine Hills Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13 Condon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14 Deep Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 Desert Meadow Windfarm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Durbin Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Echo Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Elkhorn Valley Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Foote Creek 1 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Foote Creek 2 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 Foote Creek 4 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Fossil Gulch Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Golden Valley Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Goodnoe Hills Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Goshen North (Ridgeline Wind)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Grayland Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Hammett Hill Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Harvest Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Hay Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Healow 2 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 High Mesa Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Hopkins Ridge Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33 Horse Butte Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 Horseshoe Bend Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Hot Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 Jett Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37 Josef Staufer - Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Juniper Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 Kittitas Valley Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40 Klondike Wind 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 Klondike Wind 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42 Klondike Wind 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 Klondike Wind 3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 Knudson Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Leaning Juniper Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Wind
Operating Year: 2024 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
46 Lewandowski Farms Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Lime Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48 Linden Ranch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 Livingston Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50 Lower Snake Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 Mainline Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 Marengo Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53 Meadow Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54 Milner Dam Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55 Montague	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56 Nine Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57 Oregon Trail Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58 Palouse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59 PaTu Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60 Paynes Ferry Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Pebble Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 Pilgrim Stage Station Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Power County Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64 Prospector Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65 Rattlesnake Road Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66 Rock River Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67 Rockland wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68 Ryegrass Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69 Salmon Falls Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70 Sawtooth Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71 Shepherds Flat Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72 Star Point Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73 Stateline Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74 Swauk Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75 Thousand Springs Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76 Threemile Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77 Tuana Gulch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78 Tuana Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79 Two Ponds Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80 Vansycle Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81 Vantage Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82 Wheat Field Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83 White Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84 Wild Horse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85 Willow Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86 Willow Spring Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87 Windy Point Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88 Wolverine Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89 Yahoo Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90 Total Non-Hydro Renewable - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Non-Hydro Renewable - Wind
Operating Year: 2025 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
1 3 Bar G Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Bennett Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 Benson Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 Big Horn Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Biglow Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Burley Butte Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7 Camp Reed Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Cassia Farms Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Cassia Gulch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 Chopin Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11 Cold Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Combine Hills Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13 Condon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14 Deep Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 Desert Meadow Windfarm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Durbin Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Echo Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Elkhorn Valley Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Foote Creek 1 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Foote Creek 2 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 Foote Creek 4 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Fossil Gulch Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Golden Valley Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Goodnoe Hills Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Goshen North (Ridgeline Wind)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Grayland Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Hammett Hill Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Harvest Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Hay Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Healow 2 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 High Mesa Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Hopkins Ridge Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33 Horse Butte Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 Horseshoe Bend Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Hot Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 Jett Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37 Josef Staufer - Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Juniper Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 Kittitas Valley Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40 Klondike Wind 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 Klondike Wind 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42 Klondike Wind 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 Klondike Wind 3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 Knudson Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Leaning Juniper Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Wind
Operating Year: 2025 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
46 Lewandowski Farms Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Lime Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48 Linden Ranch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 Livingston Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50 Lower Snake Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 Mainline Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 Marengo Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53 Meadow Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54 Milner Dam Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55 Montague	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56 Nine Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57 Oregon Trail Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58 Palouse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59 PaTu Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60 Paynes Ferry Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Pebble Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 Pilgrim Stage Station Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Power County Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64 Prospector Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65 Rattlesnake Road Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66 Rock River Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67 Rockland wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68 Ryegrass Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69 Salmon Falls Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70 Sawtooth Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71 Shepherds Flat Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72 Star Point Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73 Stateline Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74 Swauk Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75 Thousand Springs Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76 Threemile Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77 Tuana Gulch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78 Tuana Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79 Two Ponds Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80 Vansycle Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81 Vantage Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82 Wheat Field Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83 White Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84 Wild Horse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85 Willow Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86 Willow Spring Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87 Windy Point Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88 Wolverine Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89 Yahoo Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90 Total Non-Hydro Renewable - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Non-Hydro Renewable - Wind
Operating Year: 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
1 3 Bar G Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Bennett Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 Benson Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 Big Horn Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Biglow Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Burley Butte Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7 Camp Reed Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Cassia Farms Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Cassia Gulch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 Chopin Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11 Cold Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Combine Hills Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13 Condon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14 Deep Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 Desert Meadow Windfarm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Durbin Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Echo Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Elkhorn Valley Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Foote Creek 1 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Foote Creek 2 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 Foote Creek 4 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Fossil Gulch Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Golden Valley Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Goodnoe Hills Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Goshen North (Ridgeline Wind)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Grayland Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Hammett Hill Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Harvest Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Hay Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Healow 2 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 High Mesa Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Hopkins Ridge Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33 Horse Butte Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 Horseshoe Bend Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Hot Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 Jett Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37 Josef Staufer - Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Juniper Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 Kittitas Valley Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40 Klondike Wind 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 Klondike Wind 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42 Klondike Wind 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 Klondike Wind 3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 Knudson Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Leaning Juniper Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Wind
Operating Year: 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
46 Lewandowski Farms Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Lime Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48 Linden Ranch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 Livingston Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50 Lower Snake Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 Mainline Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 Marengo Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53 Meadow Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54 Milner Dam Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55 Montague	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56 Nine Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57 Oregon Trail Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58 Palouse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59 PaTu Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60 Paynes Ferry Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Pebble Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 Pilgrim Stage Station Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Power County Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64 Prospector Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65 Rattlesnake Road Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66 Rock River Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67 Rockland wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68 Ryegrass Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69 Salmon Falls Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70 Sawtooth Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71 Shepherds Flat Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72 Star Point Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73 Stateline Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74 Swauk Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75 Thousand Springs Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76 Threemile Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77 Tuana Gulch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78 Tuana Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79 Two Ponds Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80 Vansycle Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81 Vantage Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82 Wheat Field Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83 White Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84 Wild Horse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85 Willow Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86 Willow Spring Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87 Windy Point Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88 Wolverine Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89 Yahoo Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90 Total Non-Hydro Renewable - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Non-Hydro Renewable - Wind
Operating Year: 2027 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
1 3 Bar G Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Bennett Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 Benson Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 Big Horn Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Biglow Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Burley Butte Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7 Camp Reed Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Cassia Farms Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Cassia Gulch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 Chopin Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11 Cold Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Combine Hills Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13 Condon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14 Deep Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 Desert Meadow Windfarm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Durbin Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Echo Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Elkhorn Valley Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Foote Creek 1 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Foote Creek 2 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 Foote Creek 4 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Fossil Gulch Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Golden Valley Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Goodnoe Hills Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Goshen North (Ridgeline Wind)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Grayland Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Hammett Hill Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Harvest Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Hay Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Healow 2 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 High Mesa Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Hopkins Ridge Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33 Horse Butte Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 Horseshoe Bend Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Hot Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 Jett Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37 Josef Staufer - Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Juniper Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 Kittitas Valley Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40 Klondike Wind 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 Klondike Wind 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42 Klondike Wind 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 Klondike Wind 3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 Knudson Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Leaning Juniper Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Wind
Operating Year: 2027 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
46 Lewandowski Farms Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Lime Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48 Linden Ranch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 Livingston Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50 Lower Snake Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 Mainline Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 Marengo Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53 Meadow Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54 Milner Dam Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55 Montague	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56 Nine Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57 Oregon Trail Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58 Palouse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59 PaTu Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60 Paynes Ferry Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Pebble Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 Pilgrim Stage Station Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Power County Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64 Prospector Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65 Rattlesnake Road Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66 Rock River Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67 Rockland wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68 Ryegrass Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69 Salmon Falls Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70 Sawtooth Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71 Shepherds Flat Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72 Star Point Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73 Stateline Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74 Swauk Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75 Thousand Springs Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76 Threemile Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77 Tuana Gulch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78 Tuana Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79 Two Ponds Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80 Vansycle Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81 Vantage Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82 Wheat Field Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83 White Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84 Wild Horse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85 Willow Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86 Willow Spring Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87 Windy Point Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88 Wolverine Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89 Yahoo Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90 Total Non-Hydro Renewable - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Non-Hydro Renewable - Wind
Operating Year: 2028 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
1 3 Bar G Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Bennett Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 Benson Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 Big Horn Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Biglow Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Burley Butte Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7 Camp Reed Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Cassia Farms Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Cassia Gulch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 Chopin Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11 Cold Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Combine Hills Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13 Condon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14 Deep Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 Desert Meadow Windfarm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Durbin Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Echo Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Elkhorn Valley Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Foote Creek 1 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Foote Creek 2 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 Foote Creek 4 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Fossil Gulch Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Golden Valley Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Goodnoe Hills Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Goshen North (Ridgeline Wind)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Grayland Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Hammett Hill Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Harvest Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Hay Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Healow 2 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 High Mesa Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Hopkins Ridge Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33 Horse Butte Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 Horseshoe Bend Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Hot Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 Jett Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37 Josef Staufer - Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Juniper Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 Kittitas Valley Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40 Klondike Wind 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 Klondike Wind 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42 Klondike Wind 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 Klondike Wind 3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 Knudson Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Leaning Juniper Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Wind
Operating Year: 2028 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
46 Lewandowski Farms Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Lime Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48 Linden Ranch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 Livingston Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50 Lower Snake Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 Mainline Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 Marengo Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53 Meadow Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54 Milner Dam Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55 Montague	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56 Nine Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57 Oregon Trail Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58 Palouse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59 PaTu Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60 Paynes Ferry Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Pebble Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 Pilgrim Stage Station Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Power County Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64 Prospector Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65 Rattlesnake Road Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66 Rock River Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67 Rockland wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68 Ryegrass Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69 Salmon Falls Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70 Sawtooth Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71 Shepherds Flat Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72 Star Point Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73 Stateline Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74 Swauk Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75 Thousand Springs Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76 Threemile Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77 Tuana Gulch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78 Tuana Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79 Two Ponds Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80 Vansycle Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81 Vantage Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82 Wheat Field Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83 White Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84 Wild Horse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85 Willow Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86 Willow Spring Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87 Windy Point Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88 Wolverine Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89 Yahoo Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90 Total Non-Hydro Renewable - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Regional: Non-Hydro Renewable - Wind
Operating Year: 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
1 3 Bar G Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Bennett Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 Benson Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 Big Horn Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Biglow Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Burley Butte Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7 Camp Reed Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Cassia Farms Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Cassia Gulch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 Chopin Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11 Cold Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Combine Hills Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13 Condon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14 Deep Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 Desert Meadow Windfarm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Durbin Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Echo Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Elkhorn Valley Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Foote Creek 1 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Foote Creek 2 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 Foote Creek 4 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Fossil Gulch Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Golden Valley Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Goodnoe Hills Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Goshen North (Ridgeline Wind)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Grayland Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Hammett Hill Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Harvest Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Hay Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Healow 2 Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 High Mesa Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Hopkins Ridge Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33 Horse Butte Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 Horseshoe Bend Wind Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Hot Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 Jett Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37 Josef Staufer - Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Juniper Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 Kittitas Valley Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40 Klondike Wind 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 Klondike Wind 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42 Klondike Wind 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 Klondike Wind 3a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 Knudson Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Leaning Juniper Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Wind
Operating Year: 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
46 Lewandowski Farms Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Lime Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48 Linden Ranch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 Livingston Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50 Lower Snake Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 Mainline Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 Marengo Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53 Meadow Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54 Milner Dam Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55 Montague	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56 Nine Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57 Oregon Trail Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58 Palouse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59 PaTu Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60 Paynes Ferry Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Pebble Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 Pilgrim Stage Station Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Power County Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64 Prospector Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65 Rattlesnake Road Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66 Rock River Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67 Rockland wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68 Ryegrass Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69 Salmon Falls Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70 Sawtooth Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71 Shepherds Flat Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72 Star Point Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73 Stateline Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74 Swauk Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75 Thousand Springs Wind Park	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76 Threemile Canyon Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77 Tuana Gulch Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78 Tuana Springs Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79 Two Ponds Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80 Vansycle Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81 Vantage Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82 Wheat Field Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83 White Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84 Wild Horse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85 Willow Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86 Willow Spring Wind Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87 Windy Point Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88 Wolverine Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89 Yahoo Creek Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90 Total Non-Hydro Renewable - Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Exhibit 7
Regional Non-Hydro Renewable - Solar

Monthly Capacity
Operating Year 2020 to 2029

Regional: Non-Hydro Renewable - Solar
Operating Year: 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Solar														
1 Adams Nielson Solar, LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Adams Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 Agate Bay Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 American Falls Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Arlington Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Avista Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Ballston Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Bear Creek Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 Bellevue Solar (Amity, OR)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11 Black Cap Solar Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Blue Basin Power	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
13 Bly Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14 Bonanza Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 Boring Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Case Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Chiloquin Solar Facility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Clark Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Collier Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Colton Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 Cowlitz Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Dairy Solar (OR 8)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Day Hill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Dayton Cutoff Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Decatur Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Domaine Drouhin Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Eagle Point Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Elbe Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Finn Hill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Gala Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 Grand Ronde Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Grand View Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33 Grove Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 Horn Rapids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Hyline Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 Idaho Solar 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37 Industrial Finishes Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Interstate Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 Kale Patch Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40 King Estate Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 Labish Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42 Lakeview (OR6)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 Lakeview Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 Merrill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Mountain Home Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Solar
Operating Year: 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Solar														
46 Moyer-Tolles Solar Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Murphy Flat Solar Power	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48 Neff Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 Old Mill Solar LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50 O'Neil Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 Open Range Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 Orchard Ranch Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53 Outback Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54 Palmer Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55 Pendleton Solar (NorWest 9)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56 Pepsi-Cola Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57 Pocatello Solar 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58 Portland Public Schools Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59 ProLogis Warehouse Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60 Rafeal Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Railroad Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 Sheep Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Silverton Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64 Simcoe Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65 Steel Bridge Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66 Thunderegg Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67 Tumble Weed Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68 Turkey Hill (OR 3)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69 Vale Air Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70 Valley Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71 Walker Brothers Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72 White Bluffs Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73 Wild Horse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74 Woodline Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75 WyEast Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76 Yamhill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77 Total Non-Hydro Renewable - Solar	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Regional: Non-Hydro Renewable - Solar
Operating Year: 2021 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Solar														
1 Adams Nielson Solar, LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Adams Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 Agate Bay Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 American Falls Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Arlington Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Avista Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Ballston Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Bear Creek Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 Bellevue Solar (Amity, OR)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11 Black Cap Solar Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Blue Basin Power	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
13 Bly Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14 Bonanza Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 Boring Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Case Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Chiloquin Solar Facility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Clark Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Collier Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Colton Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 Cowlitz Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Dairy Solar (OR 8)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Day Hill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Dayton Cutoff Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Decatur Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Domaine Drouhin Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Eagle Point Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Elbe Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Finn Hill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Gala Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 Grand Ronde Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Grand View Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33 Grove Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 Horn Rapids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Hyline Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 Idaho Solar 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37 Industrial Finishes Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Interstate Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 Kale Patch Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40 King Estate Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 Labish Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42 Lakeview (OR6)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 Lakeview Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 Merrill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Mountain Home Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Solar
Operating Year: 2021 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Solar														
46 Moyer-Tolles Solar Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Murphy Flat Solar Power	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48 Neff Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 Old Mill Solar LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50 O'Neil Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 Open Range Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 Orchard Ranch Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53 Outback Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54 Palmer Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55 Pendleton Solar (NorWest 9)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56 Pepsi-Cola Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57 Pocatello Solar 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58 Portland Public Schools Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59 ProLogis Warehouse Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60 Rafeal Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Railroad Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 Sheep Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Silverton Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64 Simcoe Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65 Steel Bridge Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66 Thunderegg Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67 Tumble Weed Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68 Turkey Hill (OR 3)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69 Vale Air Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70 Valley Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71 Walker Brothers Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72 White Bluffs Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73 Wild Horse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74 Woodline Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75 WyEast Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76 Yamhill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77 Total Non-Hydro Renewable - Solar	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Regional: Non-Hydro Renewable - Solar
Operating Year: 2022 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Solar														
1 Adams Nielson Solar, LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Adams Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 Agate Bay Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 American Falls Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Arlington Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Avista Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Ballston Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Bear Creek Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 Bellevue Solar (Amity, OR)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11 Black Cap Solar Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Blue Basin Power	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
13 Bly Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14 Bonanza Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 Boring Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Case Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Chiloquin Solar Facility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Clark Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Collier Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Colton Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 Cowlitz Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Dairy Solar (OR 8)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Day Hill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Dayton Cutoff Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Decatur Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Domaine Drouhin Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Eagle Point Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Elbe Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Finn Hill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Gala Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 Grand Ronde Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Grand View Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33 Grove Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 Horn Rapids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Hyline Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 Idaho Solar 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37 Industrial Finishes Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Interstate Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 Kale Patch Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40 King Estate Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 Labish Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42 Lakeview (OR6)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 Lakeview Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 Merrill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Mountain Home Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Solar
Operating Year: 2022 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Solar														
46 Moyer-Tolles Solar Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Murphy Flat Solar Power	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48 Neff Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 Old Mill Solar LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50 O'Neil Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 Open Range Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 Orchard Ranch Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53 Outback Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54 Palmer Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55 Pendleton Solar (NorWest 9)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56 Pepsi-Cola Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57 Pocatello Solar 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58 Portland Public Schools Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59 ProLogis Warehouse Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60 Rafeal Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Railroad Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 Sheep Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Silverton Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64 Simcoe Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65 Steel Bridge Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66 Thunderegg Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67 Tumble Weed Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68 Turkey Hill (OR 3)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69 Vale Air Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70 Valley Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71 Walker Brothers Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72 White Bluffs Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73 Wild Horse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74 Woodline Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75 WyEast Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76 Yamhill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77 Total Non-Hydro Renewable - Solar	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Regional: Non-Hydro Renewable - Solar
Operating Year: 2023 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Solar														
1 Adams Nielson Solar, LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Adams Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 Agate Bay Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 American Falls Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Arlington Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Avista Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Ballston Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Bear Creek Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 Bellevue Solar (Amity, OR)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11 Black Cap Solar Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Blue Basin Power	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
13 Bly Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14 Bonanza Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 Boring Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Case Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Chiloquin Solar Facility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Clark Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Collier Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Colton Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 Cowlitz Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Dairy Solar (OR 8)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Day Hill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Dayton Cutoff Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Decatur Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Domaine Drouhin Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Eagle Point Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Elbe Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Finn Hill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Gala Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 Grand Ronde Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Grand View Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33 Grove Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 Horn Rapids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Hyline Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 Idaho Solar 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37 Industrial Finishes Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Interstate Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 Kale Patch Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40 King Estate Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 Labish Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42 Lakeview (OR6)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 Lakeview Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 Merrill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Mountain Home Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Solar
Operating Year: 2023 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Solar														
46 Moyer-Tolles Solar Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Murphy Flat Solar Power	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48 Neff Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 Old Mill Solar LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50 O'Neil Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 Open Range Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 Orchard Ranch Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53 Outback Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54 Palmer Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55 Pendleton Solar (NorWest 9)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56 Pepsi-Cola Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57 Pocatello Solar 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58 Portland Public Schools Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59 ProLogis Warehouse Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60 Rafeal Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Railroad Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 Sheep Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Silverton Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64 Simcoe Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65 Steel Bridge Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66 Thunderegg Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67 Tumble Weed Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68 Turkey Hill (OR 3)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69 Vale Air Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70 Valley Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71 Walker Brothers Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72 White Bluffs Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73 Wild Horse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74 Woodline Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75 WyEast Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76 Yamhill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77 Total Non-Hydro Renewable - Solar	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Regional: Non-Hydro Renewable - Solar
Operating Year: 2024 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Solar														
1 Adams Nielson Solar, LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Adams Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 Agate Bay Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 American Falls Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Arlington Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Avista Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Ballston Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Bear Creek Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 Bellevue Solar (Amity, OR)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11 Black Cap Solar Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Blue Basin Power	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
13 Bly Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14 Bonanza Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 Boring Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Case Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Chiloquin Solar Facility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Clark Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Collier Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Colton Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 Cowlitz Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Dairy Solar (OR 8)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Day Hill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Dayton Cutoff Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Decatur Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Domaine Drouhin Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Eagle Point Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Elbe Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Finn Hill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Gala Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 Grand Ronde Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Grand View Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33 Grove Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 Horn Rapids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Hyline Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 Idaho Solar 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37 Industrial Finishes Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Interstate Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 Kale Patch Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40 King Estate Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 Labish Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42 Lakeview (OR6)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 Lakeview Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 Merrill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Mountain Home Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Solar
Operating Year: 2024 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Solar														
46 Moyer-Tolles Solar Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Murphy Flat Solar Power	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48 Neff Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 Old Mill Solar LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50 O'Neil Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 Open Range Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 Orchard Ranch Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53 Outback Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54 Palmer Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55 Pendleton Solar (NorWest 9)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56 Pepsi-Cola Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57 Pocatello Solar 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58 Portland Public Schools Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59 ProLogis Warehouse Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60 Rafeal Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Railroad Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 Sheep Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Silverton Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64 Simcoe Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65 Steel Bridge Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66 Thunderegg Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67 Tumble Weed Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68 Turkey Hill (OR 3)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69 Vale Air Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70 Valley Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71 Walker Brothers Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72 White Bluffs Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73 Wild Horse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74 Woodline Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75 WyEast Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76 Yamhill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77 Total Non-Hydro Renewable - Solar	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Regional: Non-Hydro Renewable - Solar
Operating Year: 2025 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Solar														
1 Adams Nielson Solar, LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Adams Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 Agate Bay Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 American Falls Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Arlington Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Avista Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Ballston Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Bear Creek Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 Bellevue Solar (Amity, OR)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11 Black Cap Solar Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Blue Basin Power	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
13 Bly Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14 Bonanza Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 Boring Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Case Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Chiloquin Solar Facility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Clark Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Collier Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Colton Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 Cowlitz Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Dairy Solar (OR 8)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Day Hill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Dayton Cutoff Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Decatur Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Domaine Drouhin Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Eagle Point Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Elbe Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Finn Hill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Gala Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 Grand Ronde Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Grand View Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33 Grove Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 Horn Rapids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Hyline Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 Idaho Solar 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37 Industrial Finishes Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Interstate Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 Kale Patch Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40 King Estate Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 Labish Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42 Lakeview (OR6)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 Lakeview Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 Merrill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Mountain Home Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Solar
Operating Year: 2025 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Solar														
46 Moyer-Tolles Solar Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Murphy Flat Solar Power	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48 Neff Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 Old Mill Solar LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50 O'Neil Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 Open Range Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 Orchard Ranch Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53 Outback Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54 Palmer Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55 Pendleton Solar (NorWest 9)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56 Pepsi-Cola Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57 Pocatello Solar 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58 Portland Public Schools Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59 ProLogis Warehouse Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60 Rafeal Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Railroad Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 Sheep Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Silverton Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64 Simcoe Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65 Steel Bridge Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66 Thunderegg Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67 Tumble Weed Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68 Turkey Hill (OR 3)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69 Vale Air Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70 Valley Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71 Walker Brothers Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72 White Bluffs Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73 Wild Horse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74 Woodline Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75 WyEast Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76 Yamhill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77 Total Non-Hydro Renewable - Solar	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Regional: Non-Hydro Renewable - Solar
Operating Year: 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Solar														
1 Adams Nielson Solar, LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Adams Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 Agate Bay Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 American Falls Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Arlington Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Avista Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Ballston Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Bear Creek Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 Bellevue Solar (Amity, OR)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11 Black Cap Solar Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Blue Basin Power	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
13 Bly Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14 Bonanza Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 Boring Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Case Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Chiloquin Solar Facility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Clark Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Collier Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Colton Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 Cowlitz Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Dairy Solar (OR 8)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Day Hill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Dayton Cutoff Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Decatur Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Domaine Drouhin Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Eagle Point Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Elbe Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Finn Hill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Gala Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 Grand Ronde Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Grand View Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33 Grove Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 Horn Rapids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Hyline Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 Idaho Solar 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37 Industrial Finishes Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Interstate Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 Kale Patch Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40 King Estate Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 Labish Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42 Lakeview (OR6)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 Lakeview Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 Merrill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Mountain Home Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Solar
Operating Year: 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Solar														
46 Moyer-Tolles Solar Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Murphy Flat Solar Power	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48 Neff Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 Old Mill Solar LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50 O'Neil Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 Open Range Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 Orchard Ranch Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53 Outback Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54 Palmer Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55 Pendleton Solar (NorWest 9)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56 Pepsi-Cola Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57 Pocatello Solar 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58 Portland Public Schools Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59 ProLogis Warehouse Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60 Rafeal Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Railroad Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 Sheep Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Silverton Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64 Simcoe Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65 Steel Bridge Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66 Thunderegg Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67 Tumble Weed Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68 Turkey Hill (OR 3)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69 Vale Air Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70 Valley Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71 Walker Brothers Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72 White Bluffs Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73 Wild Horse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74 Woodline Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75 WyEast Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76 Yamhill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77 Total Non-Hydro Renewable - Solar	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Regional: Non-Hydro Renewable - Solar
Operating Year: 2027 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Solar														
1 Adams Nielson Solar, LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Adams Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 Agate Bay Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 American Falls Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Arlington Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Avista Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Ballston Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Bear Creek Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 Bellevue Solar (Amity, OR)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11 Black Cap Solar Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Blue Basin Power	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
13 Bly Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14 Bonanza Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 Boring Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Case Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Chiloquin Solar Facility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Clark Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Collier Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Colton Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 Cowlitz Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Dairy Solar (OR 8)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Day Hill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Dayton Cutoff Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Decatur Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Domaine Drouhin Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Eagle Point Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Elbe Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Finn Hill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Gala Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 Grand Ronde Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Grand View Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33 Grove Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 Horn Rapids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Hyline Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 Idaho Solar 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37 Industrial Finishes Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Interstate Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 Kale Patch Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40 King Estate Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 Labish Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42 Lakeview (OR6)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 Lakeview Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 Merrill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Mountain Home Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Solar
Operating Year: 2027 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Solar														
46 Moyer-Tolles Solar Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Murphy Flat Solar Power	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48 Neff Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 Old Mill Solar LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50 O'Neil Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 Open Range Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 Orchard Ranch Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53 Outback Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54 Palmer Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55 Pendleton Solar (NorWest 9)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56 Pepsi-Cola Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57 Pocatello Solar 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58 Portland Public Schools Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59 ProLogis Warehouse Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60 Rafeal Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Railroad Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 Sheep Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Silverton Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64 Simcoe Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65 Steel Bridge Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66 Thunderegg Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67 Tumble Weed Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68 Turkey Hill (OR 3)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69 Vale Air Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70 Valley Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71 Walker Brothers Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72 White Bluffs Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73 Wild Horse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74 Woodline Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75 WyEast Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76 Yamhill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77 Total Non-Hydro Renewable - Solar	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Regional: Non-Hydro Renewable - Solar
Operating Year: 2028 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Solar														
1 Adams Nielson Solar, LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Adams Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 Agate Bay Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 American Falls Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Arlington Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Avista Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Ballston Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Bear Creek Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 Bellevue Solar (Amity, OR)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11 Black Cap Solar Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Blue Basin Power	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
13 Bly Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14 Bonanza Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 Boring Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Case Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Chiloquin Solar Facility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Clark Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Collier Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Colton Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 Cowlitz Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Dairy Solar (OR 8)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Day Hill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Dayton Cutoff Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Decatur Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Domaine Drouhin Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Eagle Point Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Elbe Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Finn Hill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Gala Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 Grand Ronde Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Grand View Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33 Grove Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 Horn Rapids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Hyline Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 Idaho Solar 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37 Industrial Finishes Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Interstate Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 Kale Patch Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40 King Estate Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 Labish Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42 Lakeview (OR6)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 Lakeview Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 Merrill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Mountain Home Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Solar
Operating Year: 2028 Water Year: 1937
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S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Solar														
46 Moyer-Tolles Solar Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Murphy Flat Solar Power	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48 Neff Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 Old Mill Solar LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50 O'Neil Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 Open Range Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 Orchard Ranch Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53 Outback Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54 Palmer Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55 Pendleton Solar (NorWest 9)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56 Pepsi-Cola Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57 Pocatello Solar 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58 Portland Public Schools Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59 ProLogis Warehouse Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60 Rafeal Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Railroad Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 Sheep Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Silverton Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64 Simcoe Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65 Steel Bridge Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66 Thunderegg Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67 Tumble Weed Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68 Turkey Hill (OR 3)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69 Vale Air Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70 Valley Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71 Walker Brothers Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72 White Bluffs Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73 Wild Horse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74 Woodline Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75 WyEast Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76 Yamhill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77 Total Non-Hydro Renewable - Solar	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Regional: Non-Hydro Renewable - Solar
Operating Year: 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Solar														
1 Adams Nielson Solar, LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Adams Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 Agate Bay Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 American Falls Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Arlington Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Avista Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Ballston Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Bear Creek Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 Bellevue Solar (Amity, OR)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11 Black Cap Solar Project	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Blue Basin Power	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
13 Bly Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14 Bonanza Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 Boring Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 Case Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Chiloquin Solar Facility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Clark Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Collier Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Colton Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 Cowlitz Community Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Dairy Solar (OR 8)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Day Hill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Dayton Cutoff Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Decatur Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Domaine Drouhin Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Eagle Point Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Elbe Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Finn Hill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Gala Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 Grand Ronde Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Grand View Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33 Grove Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34 Horn Rapids	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Hyline Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 Idaho Solar 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37 Industrial Finishes Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Interstate Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 Kale Patch Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40 King Estate Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 Labish Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42 Lakeview (OR6)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 Lakeview Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 Merrill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45 Mountain Home Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Solar
Operating Year: 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Solar														
46 Moyer-Tolles Solar Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Murphy Flat Solar Power	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48 Neff Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 Old Mill Solar LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50 O'Neil Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 Open Range Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 Orchard Ranch Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53 Outback Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54 Palmer Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55 Pendleton Solar (NorWest 9)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56 Pepsi-Cola Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57 Pocatello Solar 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58 Portland Public Schools Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59 ProLogis Warehouse Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60 Rafeal Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Railroad Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62 Sheep Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Silverton Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64 Simcoe Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65 Steel Bridge Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66 Thunderegg Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67 Tumble Weed Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68 Turkey Hill (OR 3)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69 Vale Air Solar Center	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70 Valley Creek Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71 Walker Brothers Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72 White Bluffs Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73 Wild Horse Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74 Woodline Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75 WyEast Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76 Yamhill Solar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77 Total Non-Hydro Renewable - Solar	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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Exhibit 8
Regional Non-Hydro Renewable - Other

Monthly Capacity
Operating Year 2020 to 2029

Regional: Non-Hydro Renewable - Other
Operating Year: 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Other														
1 Bannock County Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2 Bettencourt B6 anaerobic digester	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
3 Big Sky Dairy	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
4 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
5 Boise Cascade Medford	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
6 Cedar Hills Landfill	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
7 Coffin Butte	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
8 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
9 DeRuyter & Son's Dairy	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
10 Double A Digester	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
11 Double B Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Dry Creek Landfill	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
13 Dry Dairy Creek	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
14 Edaleen Cow Power	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
15 Farm Power Lynden	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
16 Farm Power Misty Meadow	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
17 Farm Power Rexville	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
18 Farm Power Tillamook	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
19 Fighting Creek Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
20 Finley BioEnergy	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
21 Flathead County Landfill	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4
22 Forest Glen Oaks Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
23 Fourmile Hill Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 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
25 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
26 JC-Biomethane	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
27 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
28 Lakeview Biomass	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 LRI/Graham Landfill - BioFuels	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
30 Metro Wastewater Treatment Plant	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
31 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
32 Paisley Geothermal	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
33 Pine Products Biomass	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
34 Port of Tillamook Bay Anaerobic Digester	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
35 Portland Waste Water	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
36 Puyallup Energy Recovery	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
37 Qualco Dairy Digester	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
38 Raft River Geothermal	8.3	8.3	8.3	9.0	9.0	9.0	9.0	9.4	8.5	8.3	8.3	9.0	7.6	8.3
39 Rainier Biogas	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
40 River Bend Landfill	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
41 Rock Creek Digester	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
42 Short Mountain	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
43 Stahlbush Island Farms Biogas	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
44 Stoltze Biomass	2.9	2.9	2.9	2.9	2.7	2.7	2.7	2.7	2.7	2.9	2.9	2.9	2.9	2.9
45 Swager Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Other
Operating Year: 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Other														
46 Treasure Valley Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Van Dyk's Holsteins	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
48 Vander Haak Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
49 Total Non-Hydro Renewable - Other	217	217	217	218	217	217	206	218	217	217	217	218	216	216

Regional: Non-Hydro Renewable - Other
Operating Year: 2021 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Other														
1 Bannock County Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2 Bettencourt B6 anaerobic digester	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
3 Big Sky Dairy	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
4 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
5 Boise Cascade Medford	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
6 Cedar Hills Landfill	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
7 Coffin Butte	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
8 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
9 DeRuyter & Son's Dairy	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
10 Double A Digester	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
11 Double B Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Dry Creek Landfill	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
13 Dry Dairy Creek	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
14 Edaleen Cow Power	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
15 Farm Power Lynden	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
16 Farm Power Misty Meadow	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
17 Farm Power Rexville	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
18 Farm Power Tillamook	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
19 Fighting Creek Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
20 Finley BioEnergy	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
21 Flathead County Landfill	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4
22 Forest Glen Oaks Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
23 Fourmile Hill Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 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
25 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
26 JC-Biomethane	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
27 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
28 Lakeview Biomass	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 LRI/Graham Landfill - BioFuels	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
30 Metro Wastewater Treatment Plant	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
31 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
32 Paisley Geothermal	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
33 Pine Products Biomass	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
34 Port of Tillamook Bay Anaerobic Digester	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
35 Portland Waste Water	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
36 Puyallup Energy Recovery	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
37 Qualco Dairy Digester	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
38 Raft River Geothermal	8.3	8.3	8.3	9.0	9.0	9.0	9.0	9.4	8.5	8.3	8.3	9.0	7.6	8.3
39 Rainier Biogas	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
40 River Bend Landfill	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
41 Rock Creek Digester	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
42 Short Mountain	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
43 Stahlbush Island Farms Biogas	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
44 Stoltze Biomass	2.9	2.9	2.9	2.9	2.7	2.7	2.7	2.7	2.7	2.9	2.9	2.9	2.9	2.9
45 Swager Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Other
Operating Year: 2021 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Other														
46 Treasure Valley Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Van Dyk's Holsteins	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
48 Vander Haak Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
49 Total Non-Hydro Renewable - Other	217	217	217	218	217	217	206	218	217	217	217	218	216	216

Regional: Non-Hydro Renewable - Other
Operating Year: 2022 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Other														
1 Bannock County Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2 Bettencourt B6 anaerobic digester	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
3 Big Sky Dairy	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
4 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
5 Boise Cascade Medford	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
6 Cedar Hills Landfill	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
7 Coffin Butte	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
8 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
9 DeRuyter & Son's Dairy	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
10 Double A Digester	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
11 Double B Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Dry Creek Landfill	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
13 Dry Dairy Creek	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
14 Edaleen Cow Power	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
15 Farm Power Lynden	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
16 Farm Power Misty Meadow	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
17 Farm Power Rexville	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
18 Farm Power Tillamook	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
19 Fighting Creek Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
20 Finley BioEnergy	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
21 Flathead County Landfill	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4
22 Forest Glen Oaks Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
23 Fourmile Hill Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 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
25 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
26 JC-Biomethane	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
27 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
28 Lakeview Biomass	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 LRI/Graham Landfill - BioFuels	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
30 Metro Wastewater Treatment Plant	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
31 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
32 Paisley Geothermal	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
33 Pine Products Biomass	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
34 Port of Tillamook Bay Anaerobic Digester	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
35 Portland Waste Water	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
36 Puyallup Energy Recovery	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
37 Qualco Dairy Digester	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
38 Raft River Geothermal	8.3	8.3	8.3	9.0	9.0	9.0	9.0	9.4	8.5	8.3	8.3	9.0	7.6	8.3
39 Rainier Biogas	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
40 River Bend Landfill	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
41 Rock Creek Digester	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
42 Short Mountain	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
43 Stahlbush Island Farms Biogas	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
44 Stoltze Biomass	2.9	2.9	2.9	2.9	2.7	2.7	2.7	2.7	2.7	2.9	2.9	2.9	2.9	2.9
45 Swager Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Other
Operating Year: 2022 Water Year: 1937
2018 White Book Report Date: 12/1/2018
 S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Other														
46 Treasure Valley Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Van Dyk's Holsteins	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
48 Vander Haak Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
49 Total Non-Hydro Renewable - Other	217	217	217	218	217	217	206	218	217	217	217	218	216	216

Regional: Non-Hydro Renewable - Other
Operating Year: 2023 Water Year: 1937
2018 White Book Report Date: 12/1/2018
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Other														
1 Bannock County Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2 Bettencourt B6 anaerobic digester	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
3 Big Sky Dairy	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
4 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
5 Boise Cascade Medford	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
6 Cedar Hills Landfill	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
7 Coffin Butte	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
8 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
9 DeRuyter & Son's Dairy	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
10 Double A Digester	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
11 Double B Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Dry Creek Landfill	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
13 Dry Dairy Creek	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
14 Edaleen Cow Power	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
15 Farm Power Lynden	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
16 Farm Power Misty Meadow	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
17 Farm Power Rexville	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
18 Farm Power Tillamook	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
19 Fighting Creek Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
20 Finley BioEnergy	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
21 Flathead County Landfill	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4
22 Forest Glen Oaks Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
23 Fourmile Hill Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 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
25 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
26 JC-Biomethane	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
27 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
28 Lakeview Biomass	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 LRI/Graham Landfill - BioFuels	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
30 Metro Wastewater Treatment Plant	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
31 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
32 Paisley Geothermal	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
33 Pine Products Biomass	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
34 Port of Tillamook Bay Anaerobic Digester	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
35 Portland Waste Water	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
36 Puyallup Energy Recovery	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
37 Qualco Dairy Digester	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
38 Raft River Geothermal	8.3	8.3	8.3	9.0	9.0	9.0	9.0	9.4	8.5	8.3	8.3	9.0	7.6	8.3
39 Rainier Biogas	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
40 River Bend Landfill	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
41 Rock Creek Digester	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
42 Short Mountain	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
43 Stahlbush Island Farms Biogas	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
44 Stoltze Biomass	2.9	2.9	2.9	2.9	2.7	2.7	2.7	2.7	2.7	2.9	2.9	2.9	2.9	2.9
45 Swager Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Other
Operating Year: 2023 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Other														
46 Treasure Valley Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Van Dyk's Holsteins	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
48 Vander Haak Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
49 Total Non-Hydro Renewable - Other	217	217	217	218	217	217	206	218	217	217	217	218	216	216

Regional: Non-Hydro Renewable - Other
Operating Year: 2024 Water Year: 1937
2018 White Book Report Date: 12/1/2018
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Other														
1 Bannock County Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2 Bettencourt B6 anaerobic digester	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
3 Big Sky Dairy	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
4 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
5 Boise Cascade Medford	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
6 Cedar Hills Landfill	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
7 Coffin Butte	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
8 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
9 DeRuyter & Son's Dairy	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
10 Double A Digester	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
11 Double B Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Dry Creek Landfill	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
13 Dry Dairy Creek	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
14 Edaleen Cow Power	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
15 Farm Power Lynden	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
16 Farm Power Misty Meadow	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
17 Farm Power Rexville	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
18 Farm Power Tillamook	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
19 Fighting Creek Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
20 Finley BioEnergy	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
21 Flathead County Landfill	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4
22 Forest Glen Oaks Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
23 Fourmile Hill Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 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
25 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
26 JC-Biomethane	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
27 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
28 Lakeview Biomass	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 LRI/Graham Landfill - BioFuels	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
30 Metro Wastewater Treatment Plant	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
31 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
32 Paisley Geothermal	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
33 Pine Products Biomass	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
34 Port of Tillamook Bay Anaerobic Digester	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
35 Portland Waste Water	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
36 Puyallup Energy Recovery	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
37 Qualco Dairy Digester	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
38 Raft River Geothermal	8.3	8.3	8.3	9.0	9.0	9.0	9.0	9.4	8.5	8.3	8.3	9.0	7.6	8.3
39 Rainier Biogas	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
40 River Bend Landfill	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
41 Rock Creek Digester	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
42 Short Mountain	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
43 Stahlbush Island Farms Biogas	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
44 Stoltze Biomass	2.9	2.9	2.9	2.9	2.7	2.7	2.7	2.7	2.7	2.9	2.9	2.9	2.9	2.9
45 Swager Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Other
Operating Year: 2024 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Other														
46 Treasure Valley Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Van Dyk's Holsteins	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
48 Vander Haak Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
49 Total Non-Hydro Renewable - Other	217	217	217	218	217	217	206	218	217	217	217	218	216	216

Regional: Non-Hydro Renewable - Other
Operating Year: 2025 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Other														
1 Bannock County Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2 Bettencourt B6 anaerobic digester	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
3 Big Sky Dairy	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
4 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
5 Boise Cascade Medford	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
6 Cedar Hills Landfill	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
7 Coffin Butte	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
8 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
9 DeRuyter & Son's Dairy	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
10 Double A Digester	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
11 Double B Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Dry Creek Landfill	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
13 Dry Dairy Creek	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
14 Edaleen Cow Power	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
15 Farm Power Lynden	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
16 Farm Power Misty Meadow	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
17 Farm Power Rexville	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
18 Farm Power Tillamook	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
19 Fighting Creek Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
20 Finley BioEnergy	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
21 Flathead County Landfill	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4
22 Forest Glen Oaks Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
23 Fourmile Hill Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 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
25 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
26 JC-Biomethane	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
27 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
28 Lakeview Biomass	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 LRI/Graham Landfill - BioFuels	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
30 Metro Wastewater Treatment Plant	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
31 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
32 Paisley Geothermal	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
33 Pine Products Biomass	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
34 Port of Tillamook Bay Anaerobic Digester	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
35 Portland Waste Water	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
36 Puyallup Energy Recovery	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
37 Qualco Dairy Digester	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
38 Raft River Geothermal	8.3	8.3	8.3	9.0	9.0	9.0	9.0	9.4	8.5	8.3	8.3	9.0	7.6	8.3
39 Rainier Biogas	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
40 River Bend Landfill	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
41 Rock Creek Digester	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
42 Short Mountain	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
43 Stahlbush Island Farms Biogas	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
44 Stoltze Biomass	2.9	2.9	2.9	2.9	2.7	2.7	2.7	2.7	2.7	2.9	2.9	2.9	2.9	2.9
45 Swager Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Other
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Other														
46 Treasure Valley Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Van Dyk's Holsteins	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
48 Vander Haak Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
49 Total Non-Hydro Renewable - Other	217	217	217	218	217	217	206	218	217	217	217	218	216	216

Regional: Non-Hydro Renewable - Other
Operating Year: 2026 Water Year: 1937
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Other														
1 Bannock County Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2 Bettencourt B6 anaerobic digester	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
3 Big Sky Dairy	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
4 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
5 Boise Cascade Medford	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
6 Cedar Hills Landfill	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
7 Coffin Butte	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
8 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
9 DeRuyter & Son's Dairy	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
10 Double A Digester	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
11 Double B Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Dry Creek Landfill	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
13 Dry Dairy Creek	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
14 Edaleen Cow Power	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
15 Farm Power Lynden	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
16 Farm Power Misty Meadow	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
17 Farm Power Rexville	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
18 Farm Power Tillamook	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
19 Fighting Creek Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
20 Finley BioEnergy	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
21 Flathead County Landfill	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4
22 Forest Glen Oaks Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
23 Fourmile Hill Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 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
25 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
26 JC-Biomethane	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
27 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
28 Lakeview Biomass	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 LRI/Graham Landfill - BioFuels	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
30 Metro Wastewater Treatment Plant	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
31 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
32 Paisley Geothermal	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
33 Pine Products Biomass	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
34 Port of Tillamook Bay Anaerobic Digester	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
35 Portland Waste Water	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
36 Puyallup Energy Recovery	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
37 Qualco Dairy Digester	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
38 Raft River Geothermal	8.3	8.3	8.3	9.0	9.0	9.0	9.0	9.4	8.5	8.3	8.3	9.0	7.6	8.3
39 Rainier Biogas	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
40 River Bend Landfill	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
41 Rock Creek Digester	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
42 Short Mountain	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
43 Stahlbush Island Farms Biogas	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
44 Stoltze Biomass	2.9	2.9	2.9	2.9	2.7	2.7	2.7	2.7	2.7	2.9	2.9	2.9	2.9	2.9
45 Swager Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Other
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Other														
46 Treasure Valley Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Van Dyk's Holsteins	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
48 Vander Haak Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
49 Total Non-Hydro Renewable - Other	217	217	217	218	217	217	206	218	217	217	217	218	216	216

Regional: Non-Hydro Renewable - Other
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Other														
1 Bannock County Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2 Bettencourt B6 anaerobic digester	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
3 Big Sky Dairy	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
4 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
5 Boise Cascade Medford	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
6 Cedar Hills Landfill	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
7 Coffin Butte	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
8 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
9 DeRuyter & Son's Dairy	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
10 Double A Digester	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
11 Double B Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Dry Creek Landfill	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
13 Dry Dairy Creek	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
14 Edaleen Cow Power	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
15 Farm Power Lynden	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
16 Farm Power Misty Meadow	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
17 Farm Power Rexville	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
18 Farm Power Tillamook	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
19 Fighting Creek Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
20 Finley BioEnergy	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
21 Flathead County Landfill	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4
22 Forest Glen Oaks Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
23 Fourmile Hill Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 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
25 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
26 JC-Biomethane	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
27 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
28 Lakeview Biomass	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 LRI/Graham Landfill - BioFuels	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
30 Metro Wastewater Treatment Plant	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
31 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
32 Paisley Geothermal	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
33 Pine Products Biomass	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
34 Port of Tillamook Bay Anaerobic Digester	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
35 Portland Waste Water	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
36 Puyallup Energy Recovery	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
37 Qualco Dairy Digester	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
38 Raft River Geothermal	8.3	8.3	8.3	9.0	9.0	9.0	9.0	9.4	8.5	8.3	8.3	9.0	7.6	8.3
39 Rainier Biogas	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
40 River Bend Landfill	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
41 Rock Creek Digester	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
42 Short Mountain	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
43 Stahlbush Island Farms Biogas	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
44 Stoltze Biomass	2.9	2.9	2.9	2.9	2.7	2.7	2.7	2.7	2.7	2.9	2.9	2.9	2.9	2.9
45 Swager Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Other
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Other														
46 Treasure Valley Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Van Dyk's Holsteins	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
48 Vander Haak Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
49 Total Non-Hydro Renewable - Other	217	217	217	218	217	217	206	218	217	217	217	218	216	216

Regional: Non-Hydro Renewable - Other
Operating Year: 2028 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Other														
1 Bannock County Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2 Bettencourt B6 anaerobic digester	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
3 Big Sky Dairy	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
4 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
5 Boise Cascade Medford	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
6 Cedar Hills Landfill	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
7 Coffin Butte	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
8 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
9 DeRuyter & Son's Dairy	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
10 Double A Digester	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
11 Double B Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Dry Creek Landfill	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
13 Dry Dairy Creek	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
14 Edaleen Cow Power	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
15 Farm Power Lynden	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
16 Farm Power Misty Meadow	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
17 Farm Power Rexville	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
18 Farm Power Tillamook	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
19 Fighting Creek Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
20 Finley BioEnergy	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
21 Flathead County Landfill	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4
22 Forest Glen Oaks Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
23 Fourmile Hill Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 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
25 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
26 JC-Biomethane	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
27 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
28 Lakeview Biomass	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 LRI/Graham Landfill - BioFuels	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
30 Metro Wastewater Treatment Plant	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
31 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
32 Paisley Geothermal	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
33 Pine Products Biomass	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
34 Port of Tillamook Bay Anaerobic Digester	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
35 Portland Waste Water	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
36 Puyallup Energy Recovery	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
37 Qualco Dairy Digester	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
38 Raft River Geothermal	8.3	8.3	8.3	9.0	9.0	9.0	9.0	9.4	8.5	8.3	8.3	9.0	7.6	8.3
39 Rainier Biogas	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
40 River Bend Landfill	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
41 Rock Creek Digester	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
42 Short Mountain	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
43 Stahlbush Island Farms Biogas	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
44 Stoltze Biomass	2.9	2.9	2.9	2.9	2.7	2.7	2.7	2.7	2.7	2.9	2.9	2.9	2.9	2.9
45 Swager Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Other
Operating Year: 2028 Water Year: 1937
2018 White Book Report Date: 12/1/2018
 S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Other														
46 Treasure Valley Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Van Dyk's Holsteins	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
48 Vander Haak Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
49 Total Non-Hydro Renewable - Other	217	217	217	218	217	217	206	218	217	217	217	218	216	216

Regional: Non-Hydro Renewable - Other
Operating Year: 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Other														
1 Bannock County Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2 Bettencourt B6 anaerobic digester	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
3 Big Sky Dairy	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
4 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
5 Boise Cascade Medford	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
6 Cedar Hills Landfill	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
7 Coffin Butte	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
8 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
9 DeRuyter & Son's Dairy	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
10 Double A Digester	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
11 Double B Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Dry Creek Landfill	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
13 Dry Dairy Creek	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
14 Edaleen Cow Power	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
15 Farm Power Lynden	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
16 Farm Power Misty Meadow	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
17 Farm Power Rexville	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
18 Farm Power Tillamook	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
19 Fighting Creek Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
20 Finley BioEnergy	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
21 Flathead County Landfill	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4
22 Forest Glen Oaks Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
23 Fourmile Hill Geothermal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 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
25 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
26 JC-Biomethane	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
27 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
28 Lakeview Biomass	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 LRI/Graham Landfill - BioFuels	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
30 Metro Wastewater Treatment Plant	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
31 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
32 Paisley Geothermal	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
33 Pine Products Biomass	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
34 Port of Tillamook Bay Anaerobic Digester	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
35 Portland Waste Water	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
36 Puyallup Energy Recovery	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
37 Qualco Dairy Digester	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
38 Raft River Geothermal	8.3	8.3	8.3	9.0	9.0	9.0	9.0	9.4	8.5	8.3	8.3	9.0	7.6	8.3
39 Rainier Biogas	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
40 River Bend Landfill	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
41 Rock Creek Digester	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
42 Short Mountain	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
43 Stahlbush Island Farms Biogas	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
44 Stoltze Biomass	2.9	2.9	2.9	2.9	2.7	2.7	2.7	2.7	2.7	2.9	2.9	2.9	2.9	2.9
45 Swager Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Regional: Non-Hydro Renewable - Other
Operating Year: 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018
 S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Other														
46 Treasure Valley Digester	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47 Van Dyk's Holsteins	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
48 Vander Haak Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
49 Total Non-Hydro Renewable - Other	217	217	217	218	217	217	206	218	217	217	217	218	216	216

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Exhibit 9
Regional Thermal - Nuclear

Monthly Capacity
Operating Year 2020 to 2029

Regional: Thermal - Nuclear
Operating Year: 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018
 S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Nuclear														
1 Columbia Generating Station	1163.0	1163.0	1179.0	1181.0	1179.0	1180.0	1169.0	1169.0	1169.0	1160.0	1160.0	1151.0	1154.0	1168.0
2 Total Thermal - Cogeneration	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168

Regional: Thermal - Nuclear
Operating Year: 2021 Water Year: 1937
2018 White Book Report Date: 12/1/2018
 S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Nuclear														
1 Columbia Generating Station	1163.0	1163.0	1179.0	1181.0	1179.0	1180.0	1169.0	1169.0	1169.0	1160.0	1160.0	0.0	0.0	1168.0
2 Total Thermal - Cogeneration	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168

Regional: Thermal - Nuclear
Operating Year: 2022 Water Year: 1937
2018 White Book Report Date: 12/1/2018
 S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Nuclear														
1 Columbia Generating Station	1163.0	1163.0	1179.0	1181.0	1179.0	1180.0	1169.0	1169.0	1169.0	1160.0	1160.0	1151.0	1154.0	1168.0
2 Total Thermal - Cogeneration	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168

Regional: Thermal - Nuclear
Operating Year: 2023 Water Year: 1937
2018 White Book Report Date: 12/1/2018
 S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Nuclear														
1 Columbia Generating Station	1163.0	1163.0	1179.0	1181.0	1179.0	1180.0	1169.0	1169.0	1169.0	1160.0	1160.0	0.0	0.0	1168.0
2 Total Thermal - Cogeneration	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168

Regional: Thermal - Nuclear
Operating Year: 2024 Water Year: 1937
2018 White Book Report Date: 12/1/2018
 S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Nuclear														
1 Columbia Generating Station	1163.0	1163.0	1179.0	1181.0	1179.0	1180.0	1169.0	1169.0	1169.0	1160.0	1160.0	1151.0	1154.0	1168.0
2 Total Thermal - Cogeneration	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168

Regional: Thermal - Nuclear
Operating Year: 2025 Water Year: 1937
2018 White Book Report Date: 12/1/2018
 S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Nuclear														
1 Columbia Generating Station	1163.0	1163.0	1179.0	1181.0	1179.0	1180.0	1169.0	1169.0	1169.0	1160.0	1160.0	0.0	0.0	1168.0
2 Total Thermal - Cogeneration	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168

Regional: Thermal - Nuclear
Operating Year: 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018
 S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Nuclear														
1 Columbia Generating Station	1163.0	1163.0	1179.0	1181.0	1179.0	1180.0	1169.0	1169.0	1169.0	1160.0	1160.0	1151.0	1154.0	1168.0
2 Total Thermal - Cogeneration	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168

Regional: Thermal - Nuclear
Operating Year: 2027 Water Year: 1937
2018 White Book Report Date: 12/1/2018
 S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Nuclear														
1 Columbia Generating Station	1163.0	1163.0	1179.0	1181.0	1179.0	1180.0	1169.0	1169.0	1169.0	1160.0	1160.0	0.0	0.0	1168.0
2 Total Thermal - Cogeneration	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168

Regional: Thermal - Nuclear
Operating Year: 2028 Water Year: 1937
2018 White Book Report Date: 12/1/2018
 S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Nuclear														
1 Columbia Generating Station	1163.0	1163.0	1179.0	1181.0	1179.0	1180.0	1169.0	1169.0	1169.0	1160.0	1160.0	1151.0	1154.0	1168.0
2 Total Thermal - Cogeneration	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168

Regional: Thermal - Nuclear
Operating Year: 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018
 S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Nuclear														
1 Columbia Generating Station	1163.0	1163.0	1179.0	1181.0	1179.0	1180.0	1169.0	1169.0	1169.0	1160.0	1160.0	0.0	0.0	1168.0
2 Total Thermal - Cogeneration	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168

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Exhibit 10
Regional Thermal - Coal

Monthly Capacity
Operating Year 2020 to 2029

Regional: Thermal - Coal
Operating Year: 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Coal														
1 Boardman	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	570.0	0.0	570.0	570.0
2 Centralia Complex	1340.0	1340.0	1340.0	1340.0	1340.0	1340.0	1340.0	1340.0	1340.0	1340.0	1340.0	670.0	1340.0	1340.0
3 Colstrip	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1047.0	1565.0	1411.5	1411.5	1565.0
4 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
5 Jim Bridger	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0
6 Valmy	260.5	260.5	260.5	260.5	260.5	260.5	260.5	260.5	260.5	260.5	260.5	260.5	260.5	260.5
7 Total Thermal - Coal	5868	5868	5867	5868	5868	5869	5869	5869	5868	5350	5868	4476	5714	5867

Regional: Thermal - Coal
Operating Year: 2021 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Coal														
1 Boardman	570.0	570.0	570.0	570.0	570.0	570.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Centralia Complex	1340.0	1340.0	1340.0	1340.0	1340.0	670.0	670.0	670.0	670.0	670.0	670.0	335.0	670.0	670.0
3 Colstrip	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1411.5	1565.0
4 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
5 Jim Bridger	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0
6 Valmy	260.5	260.5	260.5	260.5	260.5	260.5	260.5	260.5	260.5	260.5	260.5	260.5	260.5	260.5
7 Total Thermal - Coal	5868	5868	5867	5868	5868	5199	4629	4629	4628	4628	4628	4295	4474	4627

Regional: Thermal - Coal
Operating Year: 2022 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Coal														
1 Boardman	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Centralia Complex	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0	335.0	335.0	670.0	670.0	670.0
3 Colstrip	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	1565.0	825.0	825.0	1565.0	1565.0	1258.0
4 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
5 Jim Bridger	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0
6 Valmy	260.5	260.5	260.5	260.5	260.5	260.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5
7 Total Thermal - Coal	4628	4628	4627	4628	4628	4629	4502	4502	4501	3426	3426	4503	4500	4193

Regional: Thermal - Coal
Operating Year: 2023 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Coal														
1 Boardman	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Centralia Complex	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0	335.0	335.0	670.0	670.0	670.0
3 Colstrip	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	740.0	1258.0	1258.0	1258.0	1258.0
4 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
5 Jim Bridger	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0
6 Valmy	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5
7 Total Thermal - Coal	4194	4194	4193	4194	4194	4195	4195	4195	4194	3341	3859	4196	4193	4193

Regional: Thermal - Coal
Operating Year: 2024 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Coal														
1 Boardman	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Centralia Complex	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0	335.0	670.0	670.0
3 Colstrip	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0
4 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
5 Jim Bridger	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0
6 Valmy	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5
7 Total Thermal - Coal	4194	4194	4193	4194	4194	4195	4195	4195	4194	4194	4194	3861	4193	4193

Regional: Thermal - Coal
Operating Year: 2025 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Coal														
1 Boardman	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Centralia Complex	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0	335.0	670.0	670.0
3 Colstrip	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	518.0	518.0	1258.0	1258.0	1258.0
4 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
5 Jim Bridger	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0
6 Valmy	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5
7 Total Thermal - Coal	4194	4194	4193	4194	4194	4195	4195	4195	4194	3454	3454	3861	4193	4193

Regional: Thermal - Coal
Operating Year: 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Coal														
1 Boardman	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Centralia Complex	670.0	670.0	670.0	670.0	670.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 Colstrip	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	740.0	1258.0	1258.0	1258.0	1258.0
4 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
5 Jim Bridger	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0
6 Valmy	133.5	133.5	133.5	133.5	133.5	133.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7 Total Thermal - Coal	4194	4194	4193	4194	4194	3525	3392	3392	3390	2872	3390	3392	3390	3389

Regional: Thermal - Coal
Operating Year: 2027 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Coal														
1 Boardman	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Centralia Complex	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 Colstrip	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0
4 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
5 Jim Bridger	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0
6 Valmy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7 Total Thermal - Coal	3391	3391	3390	3390	3390	3391	3392	3392	3390	3390	3390	3392	3390	3389

Regional: Thermal - Coal
Operating Year: 2028 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Coal														
1 Boardman	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Centralia Complex	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 Colstrip	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	518.0	518.0	1258.0	1258.0	1258.0
4 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
5 Jim Bridger	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0
6 Valmy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7 Total Thermal - Coal	3391	3391	3390	3390	3390	3391	3392	3392	3390	2650	2650	3392	3390	3389

Regional: Thermal - Coal
Operating Year: 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Coal														
1 Boardman	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 Centralia Complex	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 Colstrip	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	740.0	1258.0	1258.0	1258.0	1258.0
4 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
5 Jim Bridger	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0	2120.0
6 Valmy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7 Total Thermal - Coal	3391	3391	3390	3390	3390	3391	3392	3392	3390	2872	3390	3392	3390	3389

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Exhibit 11
Regional Thermal – Natural Gas

Monthly Capacity
Operating Year 2020 to 2029

Regional: Thermal - Natural Gas
Operating Year: 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Natural Gas														
1 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
2 Beaver	495.0	495.0	502.0	512.0	522.0	529.0	529.0	526.0	522.0	516.0	516.0	509.0	502.0	495.0
3 Bennett Mountain Peaking Plant	161.0	161.0	164.0	168.0	171.0	178.0	178.0	173.0	167.0	168.0	168.0	166.0	163.0	161.0
4 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
5 Carty Generating Station	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0
6 Chehalis Generation Facility	484.0	484.0	490.0	500.0	509.0	513.0	514.0	511.0	508.0	503.0	503.0	496.0	0.0	484.0
7 Dave Gates Generating Station	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
8 Encogen	159.8	159.8	162.2	167.2	171.5	174.6	175.2	172.7	170.9	168.4	168.4	165.3	162.2	159.8
9 Evander Andrews Complex	249.0	249.0	254.0	259.0	264.0	275.0	275.0	266.0	258.0	260.0	260.0	257.0	253.0	248.0
10 Frederickson CT	265.8	265.8	269.0	273.5	277.5	279.2	279.7	278.0	277.0	275.0	0.0	136.0	268.5	266.5
11 Frederickson Power Project	146.1	146.1	148.7	153.1	157.4	159.4	160.0	157.8	156.8	154.7	154.7	151.4	148.1	146.7
12 Fredonia	311.7	311.7	316.7	326.4	335.2	341.3	342.4	337.6	333.8	329.0	0.0	161.4	316.7	311.7
13 Goldendale Energy Center	257.0	257.0	262.0	266.0	271.0	275.0	274.0	272.0	269.0	267.0	267.0	131.5	260.0	257.0
14 Grimes Way	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	2.8	2.8	4.0
15 Kettle Falls Station (CT)	8.6	8.6	9.5	10.0	10.0	11.0	11.0	11.0	10.0	10.0	10.0	9.0	9.0	8.6
16 Klamath Generation Facility	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0
17 Klamath Generation Peakings (CT)	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
18 Lancaster	229.9	229.9	237.9	271.9	275.9	278.9	278.9	277.9	275.9	271.9	271.9	233.9	233.9	227.9
19 Langley Gulch CT	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0
20 Mint Farm Energy Center	285.0	285.0	288.5	294.3	298.9	300.6	300.6	299.1	297.7	296.0	0.0	292.5	289.4	285.9
21 Northeast 1 & 2	44.0	44.0	46.0	0.0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
22 Olympic View	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
23 Pasco Peak Power Plant	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Port Westward	619.3	619.3	619.6	629.3	637.6	642.7	643.4	641.1	636.8	630.3	630.3	626.3	620.9	617.5
25 Rathdrum	138.7	138.7	142.5	156.0	168.0	174.0	176.0	172.0	168.0	162.0	162.0	156.0	148.0	146.0
26 River Road	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0
27 Satsop Combustion Turbine Project	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0
28 University of Washington Power Plant	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
29 Whitehorn	147.1	147.1	149.3	153.5	157.4	160.0	160.5	158.4	156.8	154.7	0.0	152.0	149.3	147.1
30 Total Thermal - Natural Gas	6463	6463	6523	6598	6749	6819	6825	6778	6730	6687	5632	6144	6025	6465

Regional: Thermal - Natural Gas
Operating Year: 2021 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Natural Gas														
1 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
2 Beaver	495.0	495.0	502.0	512.0	522.0	529.0	529.0	526.0	522.0	516.0	516.0	509.0	502.0	495.0
3 Bennett Mountain Peaking Plant	161.0	161.0	164.0	168.0	171.0	178.0	178.0	173.0	167.0	168.0	168.0	166.0	163.0	161.0
4 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
5 Carty Generating Station	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0
6 Chehalis Generation Facility	484.0	484.0	490.0	500.0	509.0	513.0	514.0	511.0	508.0	503.0	503.0	496.0	0.0	484.0
7 Dave Gates Generating Station	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
8 Encogen	159.8	159.8	162.2	167.2	171.5	174.6	175.2	172.7	170.9	168.4	168.4	165.3	162.2	159.8
9 Evander Andrews Complex	249.0	249.0	254.0	259.0	264.0	275.0	275.0	266.0	258.0	260.0	260.0	257.0	253.0	248.0
10 Frederickson CT	265.8	265.8	269.0	273.5	277.5	279.2	279.7	278.0	277.0	275.0	0.0	136.0	268.5	266.5
11 Frederickson Power Project	146.1	146.1	148.7	153.1	157.4	159.4	160.0	157.8	156.8	154.7	154.7	151.4	148.1	146.7
12 Fredonia	311.7	311.7	316.7	326.4	335.2	341.3	342.4	337.6	333.8	329.0	0.0	161.4	316.7	311.7
13 Goldendale Energy Center	257.0	257.0	262.0	266.0	271.0	275.0	274.0	272.0	269.0	267.0	267.0	131.5	260.0	257.0
14 Grimes Way	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	2.8	2.8	4.0
15 Kettle Falls Station (CT)	8.6	8.6	9.5	10.0	10.0	11.0	11.0	11.0	10.0	10.0	10.0	9.0	9.0	8.6
16 Klamath Generation Facility	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0
17 Klamath Generation Peakings (CT)	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
18 Lancaster	229.9	229.9	237.9	271.9	275.9	278.9	278.9	277.9	275.9	271.9	271.9	233.9	233.9	227.9
19 Langley Gulch CT	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0
20 Mint Farm Energy Center	285.0	285.0	288.5	294.3	298.9	300.6	300.6	299.1	297.7	296.0	0.0	292.5	289.4	285.9
21 Northeast 1 & 2	44.0	44.0	46.0	0.0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
22 Olympic View	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
23 Pasco Peak Power Plant	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Port Westward	619.3	619.3	619.6	629.3	637.6	642.7	643.4	641.1	636.8	630.3	630.3	626.3	620.9	617.5
25 Rathdrum	138.7	138.7	142.5	156.0	168.0	174.0	176.0	172.0	168.0	162.0	162.0	156.0	148.0	146.0
26 River Road	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0
27 Satsop Combustion Turbine Project	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0
28 University of Washington Power Plant	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
29 Whitehorn	147.1	147.1	149.3	153.5	157.4	160.0	160.5	158.4	156.8	154.7	0.0	152.0	149.3	147.1
30 Total Thermal - Natural Gas	6463	6463	6523	6598	6749	6819	6825	6778	6730	6687	5632	6144	6025	6465

Regional: Thermal - Natural Gas
Operating Year: 2022 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Natural Gas														
1 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
2 Beaver	495.0	495.0	502.0	512.0	522.0	529.0	529.0	526.0	522.0	516.0	516.0	509.0	502.0	495.0
3 Bennett Mountain Peaking Plant	161.0	161.0	164.0	168.0	171.0	178.0	178.0	173.0	167.0	168.0	168.0	166.0	163.0	161.0
4 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
5 Carty Generating Station	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0
6 Chehalis Generation Facility	484.0	484.0	490.0	500.0	509.0	513.0	514.0	511.0	508.0	503.0	503.0	496.0	0.0	484.0
7 Dave Gates Generating Station	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
8 Encogen	159.8	159.8	162.2	167.2	171.5	174.6	175.2	172.7	170.9	168.4	168.4	165.3	162.2	159.8
9 Evander Andrews Complex	249.0	249.0	254.0	259.0	264.0	275.0	275.0	266.0	258.0	260.0	260.0	257.0	253.0	248.0
10 Frederickson CT	265.8	265.8	269.0	273.5	277.5	279.2	279.7	278.0	277.0	275.0	0.0	136.0	268.5	266.5
11 Frederickson Power Project	146.1	146.1	148.7	153.1	157.4	159.4	160.0	157.8	156.8	154.7	154.7	151.4	148.1	146.7
12 Fredonia	311.7	311.7	316.7	326.4	335.2	341.3	342.4	337.6	333.8	329.0	0.0	161.4	316.7	311.7
13 Goldendale Energy Center	257.0	257.0	262.0	266.0	271.0	275.0	274.0	272.0	269.0	267.0	267.0	131.5	260.0	257.0
14 Grimes Way	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	2.8	2.8	4.0
15 Kettle Falls Station (CT)	8.6	8.6	9.5	10.0	10.0	11.0	11.0	11.0	10.0	10.0	10.0	9.0	9.0	8.6
16 Klamath Generation Facility	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0
17 Klamath Generation Peakings (CT)	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
18 Lancaster	229.9	229.9	237.9	271.9	275.9	278.9	278.9	277.9	275.9	271.9	271.9	233.9	233.9	227.9
19 Langley Gulch CT	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0
20 Mint Farm Energy Center	285.0	285.0	288.5	294.3	298.9	300.6	300.6	299.1	297.7	296.0	0.0	292.5	289.4	285.9
21 Northeast 1 & 2	44.0	44.0	46.0	0.0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
22 Olympic View	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
23 Pasco Peak Power Plant	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Port Westward	619.3	619.3	619.6	629.3	637.6	642.7	643.4	641.1	636.8	630.3	630.3	626.3	620.9	617.5
25 Rathdrum	138.7	138.7	142.5	156.0	168.0	174.0	176.0	172.0	168.0	162.0	162.0	156.0	148.0	146.0
26 River Road	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0
27 Satsop Combustion Turbine Project	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0
28 University of Washington Power Plant	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
29 Whitehorn	147.1	147.1	149.3	153.5	157.4	160.0	160.5	158.4	156.8	154.7	0.0	152.0	149.3	147.1
30 Total Thermal - Natural Gas	6463	6463	6523	6598	6749	6819	6825	6778	6730	6687	5632	6144	6025	6465

Regional: Thermal - Natural Gas
Operating Year: 2023 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Natural Gas														
1 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
2 Beaver	495.0	495.0	502.0	512.0	522.0	529.0	529.0	526.0	522.0	516.0	516.0	509.0	502.0	495.0
3 Bennett Mountain Peaking Plant	161.0	161.0	164.0	168.0	171.0	178.0	178.0	173.0	167.0	168.0	168.0	166.0	163.0	161.0
4 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
5 Carty Generating Station	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0
6 Chehalis Generation Facility	484.0	484.0	490.0	500.0	509.0	513.0	514.0	511.0	508.0	503.0	503.0	496.0	0.0	484.0
7 Dave Gates Generating Station	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
8 Encogen	159.8	159.8	162.2	167.2	171.5	174.6	175.2	172.7	170.9	168.4	168.4	165.3	162.2	159.8
9 Evander Andrews Complex	249.0	249.0	254.0	259.0	264.0	275.0	275.0	266.0	258.0	260.0	260.0	257.0	253.0	248.0
10 Frederickson CT	265.8	265.8	215.2	218.8	222.0	223.4	223.8	222.4	221.6	220.0	0.0	108.8	214.8	213.2
11 Frederickson Power Project	146.1	146.1	148.7	153.1	157.4	159.4	160.0	157.8	156.8	154.7	154.7	151.4	148.1	146.7
12 Fredonia	311.7	311.7	316.7	326.4	335.2	341.3	342.4	337.6	333.8	329.0	0.0	161.4	316.7	311.7
13 Goldendale Energy Center	257.0	257.0	262.0	266.0	271.0	275.0	274.0	272.0	269.0	267.0	267.0	131.5	260.0	257.0
14 Grimes Way	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	2.8	2.8	4.0
15 Kettle Falls Station (CT)	8.6	8.6	9.5	10.0	10.0	11.0	11.0	11.0	10.0	10.0	10.0	9.0	9.0	8.6
16 Klamath Generation Facility	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0
17 Klamath Generation Peakings (CT)	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
18 Lancaster	229.9	229.9	237.9	271.9	275.9	278.9	278.9	277.9	275.9	271.9	271.9	233.9	233.9	227.9
19 Langley Gulch CT	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0
20 Mint Farm Energy Center	285.0	285.0	288.5	294.3	298.9	300.6	300.6	299.1	297.7	296.0	0.0	292.5	289.4	285.9
21 Northeast 1 & 2	44.0	44.0	46.0	0.0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
22 Olympic View	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
23 Pasco Peak Power Plant	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Port Westward	619.3	619.3	619.6	629.3	637.6	642.7	643.4	641.1	636.8	630.3	630.3	626.3	620.9	617.5
25 Rathdrum	138.7	138.7	142.5	156.0	168.0	174.0	176.0	172.0	168.0	162.0	162.0	156.0	148.0	146.0
26 River Road	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0
27 Satsop Combustion Turbine Project	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0
28 University of Washington Power Plant	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
29 Whitehorn	147.1	147.1	149.3	153.5	157.4	160.0	160.5	158.4	156.8	154.7	0.0	152.0	149.3	147.1
30 Total Thermal - Natural Gas	6463	6463	6469	6546	6696	6763	6769	6723	6675	6632	5632	6117	5971	6412

Regional: Thermal - Natural Gas
Operating Year: 2024 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Natural Gas														
1 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
2 Beaver	495.0	495.0	502.0	512.0	522.0	529.0	529.0	526.0	522.0	516.0	516.0	509.0	502.0	495.0
3 Bennett Mountain Peaking Plant	161.0	161.0	164.0	168.0	171.0	178.0	178.0	173.0	167.0	168.0	168.0	166.0	163.0	161.0
4 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
5 Carty Generating Station	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0
6 Chehalis Generation Facility	484.0	484.0	490.0	500.0	509.0	513.0	514.0	511.0	508.0	503.0	503.0	496.0	0.0	484.0
7 Dave Gates Generating Station	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
8 Encogen	159.8	159.8	162.2	167.2	171.5	174.6	175.2	172.7	170.9	168.4	168.4	165.3	162.2	159.8
9 Evander Andrews Complex	249.0	249.0	254.0	259.0	264.0	275.0	275.0	266.0	258.0	260.0	260.0	257.0	253.0	248.0
10 Frederickson CT	212.6	212.6	215.2	218.8	222.0	223.4	223.8	222.4	221.6	220.0	0.0	108.8	214.8	213.2
11 Frederickson Power Project	146.1	146.1	148.7	153.1	157.4	159.4	160.0	157.8	156.8	154.7	154.7	151.4	148.1	146.7
12 Fredonia	311.7	311.7	316.7	326.4	335.2	341.3	342.4	337.6	333.8	329.0	0.0	161.4	316.7	311.7
13 Goldendale Energy Center	257.0	257.0	262.0	266.0	271.0	275.0	274.0	272.0	269.0	267.0	267.0	131.5	260.0	257.0
14 Grimes Way	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	2.8	2.8	4.0
15 Kettle Falls Station (CT)	8.6	8.6	9.5	10.0	10.0	11.0	11.0	11.0	10.0	10.0	10.0	9.0	9.0	8.6
16 Klamath Generation Facility	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0
17 Klamath Generation Peakings (CT)	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
18 Lancaster	229.9	229.9	237.9	271.9	275.9	278.9	278.9	277.9	275.9	271.9	271.9	233.9	233.9	227.9
19 Langley Gulch CT	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0
20 Mint Farm Energy Center	285.0	285.0	288.5	294.3	298.9	300.6	300.6	299.1	297.7	296.0	0.0	292.5	289.4	285.9
21 Northeast 1 & 2	44.0	44.0	46.0	0.0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
22 Olympic View	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
23 Pasco Peak Power Plant	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Port Westward	619.3	619.3	619.6	629.3	637.6	642.7	643.4	641.1	636.8	630.3	630.3	626.3	620.9	617.5
25 Rathdrum	138.7	138.7	142.5	156.0	168.0	174.0	176.0	172.0	168.0	162.0	162.0	156.0	148.0	146.0
26 River Road	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0
27 Satsop Combustion Turbine Project	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0
28 University of Washington Power Plant	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
29 Whitehorn	147.1	147.1	149.3	153.5	157.4	160.0	160.5	158.4	156.8	154.7	0.0	152.0	149.3	147.1
30 Total Thermal - Natural Gas	6410	6410	6469	6544	6693	6763	6769	6723	6675	6632	5632	6117	5971	6412

Regional: Thermal - Natural Gas
Operating Year: 2025 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Natural Gas														
1 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
2 Beaver	495.0	495.0	502.0	512.0	522.0	529.0	529.0	526.0	522.0	516.0	516.0	509.0	502.0	495.0
3 Bennett Mountain Peaking Plant	161.0	161.0	164.0	168.0	171.0	178.0	178.0	173.0	167.0	168.0	168.0	166.0	163.0	161.0
4 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
5 Carty Generating Station	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0
6 Chehalis Generation Facility	484.0	484.0	490.0	500.0	509.0	513.0	514.0	511.0	508.0	503.0	503.0	496.0	0.0	484.0
7 Dave Gates Generating Station	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
8 Encogen	159.8	159.8	162.2	167.2	171.5	174.6	175.2	172.7	170.9	168.4	168.4	165.3	162.2	159.8
9 Evander Andrews Complex	249.0	249.0	254.0	259.0	264.0	275.0	275.0	266.0	258.0	260.0	260.0	257.0	253.0	248.0
10 Frederickson CT	212.6	212.6	215.2	218.8	222.0	223.4	223.8	222.4	221.6	220.0	0.0	108.8	214.8	213.2
11 Frederickson Power Project	146.1	146.1	148.7	153.1	157.4	159.4	160.0	157.8	156.8	154.7	154.7	151.4	148.1	146.7
12 Fredonia	311.7	311.7	316.7	326.4	335.2	341.3	342.4	337.6	333.8	329.0	0.0	161.4	316.7	311.7
13 Goldendale Energy Center	257.0	257.0	262.0	266.0	271.0	275.0	274.0	272.0	269.0	267.0	267.0	131.5	260.0	257.0
14 Grimes Way	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	2.8	2.8	4.0
15 Kettle Falls Station (CT)	8.6	8.6	9.5	10.0	10.0	11.0	11.0	11.0	10.0	10.0	10.0	9.0	9.0	8.6
16 Klamath Generation Facility	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0
17 Klamath Generation Peakings (CT)	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
18 Lancaster	229.9	229.9	237.9	271.9	275.9	278.9	278.9	277.9	275.9	271.9	271.9	233.9	233.9	227.9
19 Langley Gulch CT	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0
20 Mint Farm Energy Center	285.0	285.0	288.5	294.3	298.9	300.6	300.6	299.1	297.7	296.0	0.0	292.5	289.4	285.9
21 Northeast 1 & 2	44.0	44.0	46.0	0.0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
22 Olympic View	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
23 Pasco Peak Power Plant	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Port Westward	619.3	619.3	619.6	629.3	637.6	642.7	643.4	641.1	636.8	630.3	630.3	626.3	620.9	617.5
25 Rathdrum	138.7	138.7	142.5	156.0	168.0	174.0	176.0	172.0	168.0	162.0	162.0	156.0	148.0	146.0
26 River Road	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0
27 Satsop Combustion Turbine Project	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0
28 University of Washington Power Plant	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
29 Whitehorn	147.1	147.1	149.3	153.5	157.4	160.0	160.5	158.4	156.8	154.7	0.0	152.0	149.3	147.1
30 Total Thermal - Natural Gas	6410	6410	6469	6544	6693	6763	6769	6723	6675	6632	5632	6117	5971	6412

Regional: Thermal - Natural Gas
Operating Year: 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Natural Gas														
1 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
2 Beaver	495.0	495.0	502.0	512.0	522.0	529.0	529.0	526.0	522.0	516.0	516.0	509.0	502.0	495.0
3 Bennett Mountain Peaking Plant	161.0	161.0	164.0	168.0	171.0	178.0	178.0	173.0	167.0	168.0	168.0	166.0	163.0	161.0
4 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
5 Carty Generating Station	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0
6 Chehalis Generation Facility	484.0	484.0	490.0	500.0	509.0	513.0	514.0	511.0	508.0	503.0	503.0	496.0	0.0	484.0
7 Dave Gates Generating Station	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
8 Encogen	159.8	159.8	162.2	167.2	171.5	174.6	175.2	172.7	170.9	168.4	168.4	165.3	162.2	159.8
9 Evander Andrews Complex	249.0	249.0	254.0	259.0	264.0	275.0	275.0	266.0	258.0	260.0	260.0	257.0	253.0	248.0
10 Frederickson CT	212.6	212.6	215.2	218.8	222.0	223.4	223.8	222.4	221.6	220.0	0.0	108.8	214.8	213.2
11 Frederickson Power Project	146.1	146.1	148.7	153.1	157.4	159.4	160.0	157.8	156.8	154.7	154.7	151.4	148.1	146.7
12 Fredonia	311.7	311.7	316.7	326.4	335.2	341.3	342.4	337.6	333.8	329.0	0.0	161.4	316.7	311.7
13 Goldendale Energy Center	257.0	257.0	262.0	266.0	271.0	275.0	274.0	272.0	269.0	267.0	267.0	131.5	260.0	257.0
14 Grimes Way	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	2.8	2.8	4.0
15 Kettle Falls Station (CT)	8.6	8.6	9.5	10.0	10.0	11.0	11.0	11.0	10.0	10.0	10.0	9.0	9.0	8.6
16 Klamath Generation Facility	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0
17 Klamath Generation Peakings (CT)	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
18 Lancaster	229.9	229.9	237.9	271.9	275.9	278.9	278.9	277.9	275.9	271.9	271.9	233.9	233.9	227.9
19 Langley Gulch CT	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0
20 Mint Farm Energy Center	285.0	285.0	288.5	294.3	298.9	300.6	300.6	299.1	297.7	296.0	0.0	292.5	289.4	285.9
21 Northeast 1 & 2	44.0	44.0	46.0	0.0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
22 Olympic View	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
23 Pasco Peak Power Plant	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Port Westward	619.3	619.3	619.6	629.3	637.6	642.7	643.4	641.1	636.8	630.3	630.3	626.3	620.9	617.5
25 Rathdrum	138.7	138.7	142.5	156.0	168.0	174.0	176.0	172.0	168.0	162.0	162.0	156.0	148.0	146.0
26 River Road	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0
27 Satsop Combustion Turbine Project	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0
28 University of Washington Power Plant	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
29 Whitehorn	147.1	147.1	149.3	153.5	157.4	160.0	160.5	158.4	156.8	154.7	0.0	152.0	149.3	147.1
30 Total Thermal - Natural Gas	6410	6410	6469	6544	6693	6763	6769	6723	6675	6632	5632	6117	5971	6412

Regional: Thermal - Natural Gas
Operating Year: 2027 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Natural Gas														
1 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
2 Beaver	495.0	495.0	502.0	512.0	522.0	529.0	529.0	526.0	522.0	516.0	516.0	509.0	502.0	495.0
3 Bennett Mountain Peaking Plant	161.0	161.0	164.0	168.0	171.0	178.0	178.0	173.0	167.0	168.0	168.0	166.0	163.0	161.0
4 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
5 Carty Generating Station	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0
6 Chehalis Generation Facility	484.0	484.0	490.0	500.0	509.0	513.0	514.0	511.0	508.0	503.0	503.0	496.0	0.0	484.0
7 Dave Gates Generating Station	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
8 Encogen	159.8	159.8	162.2	167.2	171.5	174.6	175.2	172.7	170.9	168.4	168.4	165.3	162.2	159.8
9 Evander Andrews Complex	249.0	249.0	254.0	259.0	264.0	275.0	275.0	266.0	258.0	260.0	260.0	257.0	253.0	248.0
10 Frederickson CT	212.6	212.6	215.2	218.8	222.0	223.4	223.8	222.4	221.6	220.0	0.0	108.8	214.8	213.2
11 Frederickson Power Project	146.1	146.1	148.7	153.1	157.4	159.4	160.0	157.8	156.8	154.7	154.7	151.4	148.1	146.7
12 Fredonia	311.7	311.7	316.7	326.4	335.2	341.3	342.4	337.6	333.8	329.0	0.0	161.4	316.7	311.7
13 Goldendale Energy Center	257.0	257.0	262.0	266.0	271.0	275.0	274.0	272.0	269.0	267.0	267.0	131.5	260.0	257.0
14 Grimes Way	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	2.8	2.8	4.0
15 Kettle Falls Station (CT)	8.6	8.6	9.5	10.0	10.0	11.0	11.0	11.0	10.0	10.0	10.0	9.0	9.0	8.6
16 Klamath Generation Facility	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0
17 Klamath Generation Peakings (CT)	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
18 Lancaster	229.9	229.9	237.9	271.9	275.9	278.9	278.9	277.9	275.9	271.9	271.9	233.9	233.9	227.9
19 Langley Gulch CT	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0
20 Mint Farm Energy Center	285.0	285.0	288.5	294.3	298.9	300.6	300.6	299.1	297.7	296.0	0.0	292.5	289.4	285.9
21 Northeast 1 & 2	44.0	44.0	46.0	0.0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
22 Olympic View	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
23 Pasco Peak Power Plant	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Port Westward	619.3	619.3	619.6	629.3	637.6	642.7	643.4	641.1	636.8	630.3	630.3	626.3	620.9	617.5
25 Rathdrum	138.7	138.7	142.5	156.0	168.0	174.0	176.0	172.0	168.0	162.0	162.0	156.0	148.0	146.0
26 River Road	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0
27 Satsop Combustion Turbine Project	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0
28 University of Washington Power Plant	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
29 Whitehorn	147.1	147.1	149.3	153.5	157.4	160.0	160.5	158.4	156.8	154.7	0.0	152.0	149.3	147.1
30 Total Thermal - Natural Gas	6410	6410	6469	6546	6696	6763	6769	6723	6675	6632	5632	6117	5971	6412

Regional: Thermal - Natural Gas
Operating Year: 2028 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Natural Gas														
1 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
2 Beaver	495.0	495.0	502.0	512.0	522.0	529.0	529.0	526.0	522.0	516.0	516.0	509.0	502.0	495.0
3 Bennett Mountain Peaking Plant	161.0	161.0	164.0	168.0	171.0	178.0	178.0	173.0	167.0	168.0	168.0	166.0	163.0	161.0
4 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
5 Carty Generating Station	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0
6 Chehalis Generation Facility	484.0	484.0	490.0	500.0	509.0	513.0	514.0	511.0	508.0	503.0	503.0	496.0	0.0	484.0
7 Dave Gates Generating Station	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
8 Encogen	159.8	159.8	162.2	167.2	171.5	174.6	175.2	172.7	170.9	168.4	168.4	165.3	162.2	159.8
9 Evander Andrews Complex	249.0	249.0	254.0	259.0	264.0	275.0	275.0	266.0	258.0	260.0	260.0	257.0	253.0	248.0
10 Frederickson CT	212.6	212.6	215.2	218.8	222.0	223.4	223.8	222.4	221.6	220.0	0.0	108.8	214.8	213.2
11 Frederickson Power Project	146.1	146.1	148.7	153.1	157.4	159.4	160.0	157.8	156.8	154.7	154.7	151.4	148.1	146.7
12 Fredonia	311.7	311.7	316.7	326.4	335.2	341.3	342.4	337.6	333.8	329.0	0.0	161.4	316.7	311.7
13 Goldendale Energy Center	257.0	257.0	262.0	266.0	271.0	275.0	274.0	272.0	269.0	267.0	267.0	131.5	260.0	257.0
14 Grimes Way	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	2.8	2.8	4.0
15 Kettle Falls Station (CT)	8.6	8.6	9.5	10.0	10.0	11.0	11.0	11.0	10.0	10.0	10.0	9.0	9.0	8.6
16 Klamath Generation Facility	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0
17 Klamath Generation Peakings (CT)	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
18 Lancaster	229.9	229.9	237.9	271.9	275.9	278.9	278.9	277.9	275.9	271.9	271.9	233.9	233.9	227.9
19 Langley Gulch CT	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0
20 Mint Farm Energy Center	285.0	285.0	288.5	294.3	298.9	300.6	300.6	299.1	297.7	296.0	0.0	292.5	289.4	285.9
21 Northeast 1 & 2	44.0	44.0	46.0	0.0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
22 Olympic View	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
23 Pasco Peak Power Plant	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Port Westward	619.3	619.3	619.6	629.3	637.6	642.7	643.4	641.1	636.8	630.3	630.3	626.3	620.9	617.5
25 Rathdrum	138.7	138.7	142.5	156.0	168.0	174.0	176.0	172.0	168.0	162.0	162.0	156.0	148.0	146.0
26 River Road	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0
27 Satsop Combustion Turbine Project	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0
28 University of Washington Power Plant	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
29 Whitehorn	147.1	147.1	149.3	153.5	157.4	160.0	160.5	158.4	156.8	154.7	0.0	152.0	149.3	147.1
30 Total Thermal - Natural Gas	6410	6410	6469	6544	6693	6763	6769	6723	6675	6632	5632	6117	5971	6412

Regional: Thermal - Natural Gas
Operating Year: 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Natural Gas														
1 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
2 Beaver	495.0	495.0	502.0	512.0	522.0	529.0	529.0	526.0	522.0	516.0	516.0	509.0	502.0	495.0
3 Bennett Mountain Peaking Plant	161.0	161.0	164.0	168.0	171.0	178.0	178.0	173.0	167.0	168.0	168.0	166.0	163.0	161.0
4 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
5 Carty Generating Station	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0
6 Chehalis Generation Facility	484.0	484.0	490.0	500.0	509.0	513.0	514.0	511.0	508.0	503.0	503.0	496.0	0.0	484.0
7 Dave Gates Generating Station	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
8 Encogen	159.8	159.8	162.2	167.2	171.5	174.6	175.2	172.7	170.9	168.4	168.4	165.3	162.2	159.8
9 Evander Andrews Complex	249.0	249.0	254.0	259.0	264.0	275.0	275.0	266.0	258.0	260.0	260.0	257.0	253.0	248.0
10 Frederickson CT	212.6	212.6	215.2	218.8	222.0	223.4	223.8	222.4	221.6	220.0	0.0	108.8	214.8	213.2
11 Frederickson Power Project	146.1	146.1	148.7	153.1	157.4	159.4	160.0	157.8	156.8	154.7	154.7	151.4	148.1	146.7
12 Fredonia	311.7	311.7	316.7	326.4	335.2	341.3	342.4	337.6	333.8	329.0	0.0	161.4	316.7	311.7
13 Goldendale Energy Center	257.0	257.0	262.0	266.0	271.0	275.0	274.0	272.0	269.0	267.0	267.0	131.5	260.0	257.0
14 Grimes Way	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	2.8	2.8	4.0
15 Kettle Falls Station (CT)	8.6	8.6	9.5	10.0	10.0	11.0	11.0	11.0	10.0	10.0	10.0	9.0	9.0	8.6
16 Klamath Generation Facility	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0
17 Klamath Generation Peakings (CT)	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
18 Lancaster	229.9	229.9	237.9	271.9	275.9	278.9	278.9	277.9	275.9	271.9	271.9	233.9	233.9	227.9
19 Langley Gulch CT	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0
20 Mint Farm Energy Center	285.0	285.0	288.5	294.3	298.9	300.6	300.6	299.1	297.7	296.0	0.0	292.5	289.4	285.9
21 Northeast 1 & 2	44.0	44.0	46.0	0.0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
22 Olympic View	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
23 Pasco Peak Power Plant	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Port Westward	619.3	619.3	619.6	629.3	637.6	642.7	643.4	641.1	636.8	630.3	630.3	626.3	620.9	617.5
25 Rathdrum	138.7	138.7	142.5	156.0	168.0	174.0	176.0	172.0	168.0	162.0	162.0	156.0	148.0	146.0
26 River Road	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0
27 Satsop Combustion Turbine Project	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0
28 University of Washington Power Plant	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
29 Whitehorn	147.1	147.1	149.3	153.5	157.4	160.0	160.5	158.4	156.8	154.7	0.0	152.0	149.3	147.1
30 Total Thermal - Natural Gas	6410	6410	6469	6544	6693	6763	6769	6723	6675	6632	5632	6117	5971	6412

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Exhibit 12
Regional Thermal - Petroleum

Monthly Capacity
Operating Year 2020 to 2029

Regional: Thermal - Petroleum
Operating Year: 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018
 S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Petroleum														
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 Boundary IC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3 Crystal Mountain	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
4 Puget Sound Shipyards Diesel Generators	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
5 Salmon Diesel	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
6 Total Thermal - Petroleum	39	39	39	39	39	39	39	39	39	39	39	39	39	39

Regional: Thermal - Petroleum
Operating Year: 2021 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Petroleum														
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 Boundary IC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3 Crystal Mountain	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
4 Puget Sound Shipyards Diesel Generators	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
5 Salmon Diesel	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
6 Total Thermal - Petroleum	39	39	39	39	39	39	39	39	39	39	39	39	39	39

Regional: Thermal - Petroleum
Operating Year: 2022 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Petroleum														
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 Boundary IC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3 Crystal Mountain	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
4 Puget Sound Shipyards Diesel Generators	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
5 Salmon Diesel	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
6 Total Thermal - Petroleum	39	39	39	39	39	39	39	39	39	39	39	39	39	39

Regional: Thermal - Petroleum
Operating Year: 2023 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Petroleum														
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 Boundary IC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3 Crystal Mountain	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
4 Puget Sound Shipyards Diesel Generators	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
5 Salmon Diesel	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
6 Total Thermal - Petroleum	39	39	39	39	39	39	39	39	39	39	39	39	39	39

Regional: Thermal - Petroleum
Operating Year: 2024 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Petroleum														
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 Boundary IC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3 Crystal Mountain	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
4 Puget Sound Shipyards Diesel Generators	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
5 Salmon Diesel	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
6 Total Thermal - Petroleum	39	39	39	39	39	39	39	39	39	39	39	39	39	39

Regional: Thermal - Petroleum
Operating Year: 2025 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Petroleum														
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 Boundary IC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3 Crystal Mountain	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
4 Puget Sound Shipyards Diesel Generators	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
5 Salmon Diesel	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
6 Total Thermal - Petroleum	39	39	39	39	39	39	39	39	39	39	39	39	39	39

Regional: Thermal - Petroleum
Operating Year: 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018
 S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Petroleum														
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 Boundary IC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3 Crystal Mountain	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
4 Puget Sound Shipyards Diesel Generators	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
5 Salmon Diesel	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
6 Total Thermal - Petroleum	39	39	39	39	39	39	39	39	39	39	39	39	39	39

Regional: Thermal - Petroleum
Operating Year: 2027 Water Year: 1937
2018 White Book Report Date: 12/1/2018
 S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Petroleum														
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 Boundary IC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3 Crystal Mountain	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
4 Puget Sound Shipyards Diesel Generators	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
5 Salmon Diesel	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
6 Total Thermal - Petroleum	39	39	39	39	39	39	39	39	39	39	39	39	39	39

Regional: Thermal - Petroleum
Operating Year: 2028 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Petroleum														
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 Boundary IC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3 Crystal Mountain	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
4 Puget Sound Shipyards Diesel Generators	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
5 Salmon Diesel	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
6 Total Thermal - Petroleum	39	39	39	39	39	39	39	39	39	39	39	39	39	39

Regional: Thermal - Petroleum
Operating Year: 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018
 S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Petroleum														
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 Boundary IC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3 Crystal Mountain	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
4 Puget Sound Shipyards Diesel Generators	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
5 Salmon Diesel	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
6 Total Thermal - Petroleum	39	39	39	39	39	39	39	39	39	39	39	39	39	39

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Exhibit 13
Regional Thermal - Biofuel

Monthly Capacity
Operating Year 2020 to 2029

Regional: Thermal - Biofuel
Operating Year: 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018
 S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Biofuel														
1 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
2 Pocatello Waste	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
3 Spokane MSW	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
4 West Boise Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5 Total Thermal - Biofuel	31	31	31	31	31	31	31	31	31	31	31	31	31	31

Regional: Thermal - Biofuel
Operating Year: 2021 Water Year: 1937
2018 White Book Report Date: 12/1/2018
 S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Biofuel														
1 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
2 Pocatello Waste	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
3 Spokane MSW	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
4 West Boise Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5 Total Thermal - Biofuel	31	31	31	31	31	31	31	31	31	31	31	31	31	31

Regional: Thermal - Biofuel
Operating Year: 2022 Water Year: 1937
2018 White Book Report Date: 12/1/2018
 S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Biofuel														
1 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
2 Pocatello Waste	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
3 Spokane MSW	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
4 West Boise Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5 Total Thermal - Biofuel	31	31	31	31	31	31	31	31	31	31	31	31	31	31

Regional: Thermal - Biofuel
Operating Year: 2023 Water Year: 1937
2018 White Book Report Date: 12/1/2018
 S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Biofuel														
1 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
2 Pocatello Waste	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
3 Spokane MSW	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
4 West Boise Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5 Total Thermal - Biofuel	31	31	31	31	31	31	31	31	31	31	31	31	31	31

Regional: Thermal - Biofuel
Operating Year: 2024 Water Year: 1937
2018 White Book Report Date: 12/1/2018
 S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Biofuel														
1 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
2 Pocatello Waste	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
3 Spokane MSW	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
4 West Boise Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5 Total Thermal - Biofuel	31	31	31	31	31	31	31	31	31	31	31	31	31	31

Regional: Thermal - Biofuel
Operating Year: 2025 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Biofuel														
1 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
2 Pocatello Waste	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
3 Spokane MSW	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
4 West Boise Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5 Total Thermal - Biofuel	31	31	31	31	31	31	31	31	31	31	31	31	31	31

Regional: Thermal - Biofuel
Operating Year: 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018
 S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Biofuel														
1 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
2 Pocatello Waste	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
3 Spokane MSW	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
4 West Boise Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5 Total Thermal - Biofuel	31	31	31	31	31	31	31	31	31	31	31	31	31	31

Regional: Thermal - Biofuel
Operating Year: 2027 Water Year: 1937
2018 White Book Report Date: 12/1/2018
 S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Biofuel														
1 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
2 Pocatello Waste	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
3 Spokane MSW	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
4 West Boise Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5 Total Thermal - Biofuel	31	31	31	31	31	31	31	31	31	31	31	31	31	31

Regional: Thermal - Biofuel
Operating Year: 2028 Water Year: 1937
2018 White Book Report Date: 12/1/2018
 S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Biofuel														
1 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
2 Pocatello Waste	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
3 Spokane MSW	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
4 West Boise Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5 Total Thermal - Biofuel	31	31	31	31	31	31	31	31	31	31	31	31	31	31

Regional: Thermal - Biofuel
Operating Year: 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018
 S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Biofuel														
1 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
2 Pocatello Waste	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
3 Spokane MSW	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
4 West Boise Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5 Total Thermal - Biofuel	31	31	31	31	31	31	31	31	31	31	31	31	31	31

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Exhibit 14
Regional Thermal - Cogeneration

Monthly Capacity
Operating Year 2020 to 2029

Regional: Thermal - Cogeneration
Operating Year: 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Cogeneration														
1 Boise Cascade Medford	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
2 Cogen Co	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
3 Cogen Co 2	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	0.0	7.5	7.5	7.5
4 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
5 Coyote Springs	229.0	229.0	235.6	243.4	250.7	255.9	256.8	253.6	249.0	244.5	244.5	238.9	233.4	228.7
6 Coyote Springs 2	286.0	286.0	291.0	316.0	323.0	325.0	324.0	325.0	322.0	315.0	315.0	291.0	288.0	279.0
7 Evergreen Biopower Cogen	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
8 Ferndale Cogeneration Station	271.1	271.1	273.6	278.6	283.0	286.1	286.8	284.3	282.4	279.9	279.9	0.0	273.6	271.1
9 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
10 Haleywest L.L.C	4.5	4.5	4.2	4.6	4.4	4.4	4.0	4.0	4.2	3.7	3.7	4.2	4.3	3.9
11 Hampton Lumber Mill (Darrington)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
12 Hermiston Generation Project	472.0	472.0	472.0	472.0	472.0	472.0	472.0	472.0	472.0	472.0	0.0	472.0	472.0	472.0
13 Hermiston Power Project	630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0	0.0	630.0	630.0	630.0	630.0	630.0
14 InterFor Pacific - Gilchrist	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
15 International Paper Energy Center	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
16 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
17 March Point Cogeneration	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0
18 Nippon Paper Cogen (Port Angeles)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
19 Oregon State University Energy Center	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
20 Port Townsend Mill	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
21 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
22 Rupert Cogeneration Facility	7.5	7.5	8.0	9.4	9.4	8.6	8.2	9.1	9.1	7.7	7.7	7.5	8.0	8.0
23 SDS Lumber	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
24 Seneca Sawmill Cogen	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
25 Sierra Pacific - Abberdeen	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
26 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
27 Simplot Pocatello	9.1	9.1	9.4	8.4	8.7	8.7	8.7	8.6	9.1	8.5	8.5	8.9	1.2	7.9
28 Sumas	131.2	131.2	132.6	135.2	137.6	139.3	139.6	138.3	137.3	68.0	68.0	134.2	132.6	131.2
29 Sumas Compressor Station	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
30 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
31 Tamarack	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
32 TASCO - Nampa	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
33 TASCO - Twin Falls	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
34 Thompson River Co-Gen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Vaagen Bros.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 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
37 Warm Springs Cogen	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
38 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
39 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
40 Total Thermal - Cogeneration	2614	2614	2632	2677	2699	2713	2715	2709	2069	2612	2133	2367	2618	2611

Regional: Thermal - Cogeneration
Operating Year: 2021 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Cogeneration														
1 Boise Cascade Medford	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
2 Cogen Co	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
3 Cogen Co 2	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	0.0	7.5	7.5	7.5
4 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
5 Coyote Springs	229.0	229.0	235.6	243.4	250.7	255.9	256.8	253.6	249.0	244.5	244.5	238.9	233.4	228.7
6 Coyote Springs 2	286.0	286.0	291.0	316.0	323.0	325.0	324.0	325.0	322.0	315.0	315.0	291.0	288.0	279.0
7 Evergreen Biopower Cogen	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
8 Ferndale Cogeneration Station	271.1	271.1	273.6	278.6	283.0	286.1	286.8	284.3	282.4	279.9	279.9	0.0	273.6	271.1
9 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
10 Haleywest L.L.C	4.5	4.5	4.2	4.6	4.4	4.4	4.0	4.0	4.2	3.7	3.7	4.2	4.3	3.9
11 Hampton Lumber Mill (Darrington)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
12 Hermiston Generation Project	472.0	472.0	472.0	472.0	472.0	472.0	472.0	472.0	472.0	472.0	0.0	472.0	472.0	472.0
13 Hermiston Power Project	630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0	0.0	630.0	630.0	630.0	630.0	630.0
14 InterFor Pacific - Gilchrist	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
15 International Paper Energy Center	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
16 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
17 March Point Cogeneration	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0
18 Nippon Paper Cogen (Port Angeles)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
19 Oregon State University Energy Center	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
20 Port Townsend Mill	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
21 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
22 Rupert Cogeneration Facility	7.5	7.5	8.0	9.4	9.4	8.6	8.2	9.1	9.1	7.7	7.7	7.5	8.0	8.0
23 SDS Lumber	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
24 Seneca Sawmill Cogen	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
25 Sierra Pacific - Abberdeen	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
26 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
27 Simplot Pocatello	9.1	9.1	9.4	8.4	8.7	8.7	8.7	8.6	9.1	8.5	8.5	8.9	1.2	7.9
28 Sumas	131.2	131.2	132.6	135.2	137.6	139.3	139.6	138.3	137.3	68.0	68.0	134.2	132.6	131.2
29 Sumas Compressor Station	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
30 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
31 Tamarack	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
32 TASCO - Nampa	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
33 TASCO - Twin Falls	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
34 Thompson River Co-Gen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Vaagen Bros.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 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
37 Warm Springs Cogen	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
38 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
39 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
40 Total Thermal - Cogeneration	2614	2614	2632	2677	2699	2713	2715	2709	2069	2612	2133	2367	2618	2611

Regional: Thermal - Cogeneration
Operating Year: 2022 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Cogeneration														
1 Boise Cascade Medford	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
2 Cogen Co	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
3 Cogen Co 2	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	0.0	7.5	7.5	7.5
4 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
5 Coyote Springs	229.0	229.0	235.6	243.4	250.7	255.9	256.8	253.6	249.0	244.5	244.5	238.9	233.4	228.7
6 Coyote Springs 2	286.0	286.0	291.0	316.0	323.0	325.0	324.0	325.0	322.0	315.0	315.0	291.0	288.0	279.0
7 Evergreen Biopower Cogen	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
8 Ferndale Cogeneration Station	271.1	271.1	273.6	278.6	283.0	286.1	286.8	284.3	282.4	279.9	279.9	0.0	273.6	271.1
9 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
10 Haleywest L.L.C	4.5	4.5	4.2	4.6	4.4	4.4	4.0	4.0	4.2	3.7	3.7	4.2	4.3	3.9
11 Hampton Lumber Mill (Darrington)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
12 Hermiston Generation Project	472.0	472.0	472.0	472.0	472.0	472.0	472.0	472.0	472.0	0.0	0.0	472.0	472.0	472.0
13 Hermiston Power Project	630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0	0.0	630.0	630.0	630.0	630.0	630.0
14 InterFor Pacific - Gilchrist	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
15 International Paper Energy Center	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
16 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
17 March Point Cogeneration	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0
18 Nippon Paper Cogen (Port Angeles)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
19 Oregon State University Energy Center	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
20 Port Townsend Mill	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
21 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
22 Rupert Cogeneration Facility	7.5	7.5	8.0	9.4	9.4	8.6	8.2	9.1	9.1	7.7	7.7	7.5	8.0	8.0
23 SDS Lumber	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
24 Seneca Sawmill Cogen	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
25 Sierra Pacific - Abberdeen	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
26 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
27 Simplot Pocatello	9.1	9.1	9.4	8.4	8.7	8.7	8.7	8.6	9.1	8.5	8.5	8.9	1.2	7.9
28 Sumas	131.2	131.2	132.6	135.2	137.6	139.3	139.6	138.3	137.3	68.0	68.0	134.2	132.6	131.2
29 Sumas Compressor Station	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
30 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
31 Tamarack	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
32 TASCO - Nampa	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
33 TASCO - Twin Falls	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
34 Thompson River Co-Gen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Vaagen Bros.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 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
37 Warm Springs Cogen	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
38 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
39 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
40 Total Thermal - Cogeneration	2614	2614	2632	2677	2699	2713	2715	2709	2069	2140	2133	2367	2618	2611

Regional: Thermal - Cogeneration
Operating Year: 2023 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Cogeneration														
1 Boise Cascade Medford	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
2 Cogen Co	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
3 Cogen Co 2	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	0.0	7.5	7.5	7.5
4 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
5 Coyote Springs	229.0	229.0	235.6	243.4	250.7	255.9	256.8	253.6	249.0	244.5	244.5	238.9	233.4	228.7
6 Coyote Springs 2	286.0	286.0	291.0	316.0	323.0	325.0	324.0	325.0	322.0	315.0	315.0	291.0	288.0	279.0
7 Evergreen Biopower Cogen	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
8 Ferndale Cogeneration Station	271.1	271.1	273.6	278.6	283.0	286.1	286.8	284.3	282.4	279.9	279.9	0.0	273.6	271.1
9 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
10 Haleywest L.L.C	4.5	4.5	4.2	4.6	4.4	4.4	4.0	4.0	4.2	3.7	3.7	4.2	4.3	3.9
11 Hampton Lumber Mill (Darrington)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
12 Hermiston Generation Project	472.0	472.0	472.0	472.0	472.0	472.0	472.0	472.0	472.0	472.0	0.0	472.0	472.0	472.0
13 Hermiston Power Project	630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0	0.0	630.0	630.0	630.0	630.0	630.0
14 InterFor Pacific - Gilchrist	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
15 International Paper Energy Center	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
16 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
17 March Point Cogeneration	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0
18 Nippon Paper Cogen (Port Angeles)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
19 Oregon State University Energy Center	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
20 Port Townsend Mill	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
21 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
22 Rupert Cogeneration Facility	7.5	7.5	8.0	9.4	9.4	8.6	8.2	9.1	9.1	7.7	7.7	7.5	8.0	8.0
23 SDS Lumber	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
24 Seneca Sawmill Cogen	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
25 Sierra Pacific - Abberdeen	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
26 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
27 Simplot Pocatello	9.1	9.1	9.4	8.4	8.7	8.7	8.7	8.6	9.1	8.5	8.5	8.9	1.2	7.9
28 Sumas	131.2	131.2	132.6	135.2	137.6	139.3	139.6	138.3	137.3	68.0	68.0	134.2	132.6	131.2
29 Sumas Compressor Station	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
30 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
31 Tamarack	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
32 TASCO - Nampa	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
33 TASCO - Twin Falls	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
34 Thompson River Co-Gen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Vaagen Bros.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 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
37 Warm Springs Cogen	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
38 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
39 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
40 Total Thermal - Cogeneration	2614	2614	2632	2677	2699	2713	2715	2709	2069	2612	2133	2367	2618	2611

Regional: Thermal - Cogeneration
Operating Year: 2024 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Cogeneration														
1 Boise Cascade Medford	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
2 Cogen Co	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
3 Cogen Co 2	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	0.0	7.5	7.5	7.5
4 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
5 Coyote Springs	229.0	229.0	235.6	243.4	250.7	255.9	256.8	253.6	249.0	244.5	244.5	238.9	233.4	228.7
6 Coyote Springs 2	286.0	286.0	291.0	316.0	323.0	325.0	324.0	325.0	322.0	315.0	315.0	291.0	288.0	279.0
7 Evergreen Biopower Cogen	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
8 Ferndale Cogeneration Station	271.1	271.1	273.6	278.6	283.0	286.1	286.8	284.3	282.4	279.9	279.9	0.0	273.6	271.1
9 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
10 Haleywest L.L.C	4.5	4.5	4.2	4.6	4.4	4.4	4.0	4.0	4.2	3.7	3.7	4.2	4.3	3.9
11 Hampton Lumber Mill (Darrington)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
12 Hermiston Generation Project	472.0	472.0	472.0	472.0	472.0	472.0	472.0	472.0	472.0	472.0	0.0	472.0	472.0	472.0
13 Hermiston Power Project	630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0	0.0	630.0	630.0	630.0	630.0	630.0
14 InterFor Pacific - Gilchrist	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
15 International Paper Energy Center	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
16 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
17 March Point Cogeneration	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0
18 Nippon Paper Cogen (Port Angeles)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
19 Oregon State University Energy Center	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
20 Port Townsend Mill	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
21 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
22 Rupert Cogeneration Facility	7.5	7.5	8.0	9.4	9.4	8.6	8.2	9.1	9.1	7.7	7.7	7.5	8.0	8.0
23 SDS Lumber	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
24 Seneca Sawmill Cogen	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
25 Sierra Pacific - Abberdeen	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
26 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
27 Simplot Pocatello	9.1	9.1	9.4	8.4	8.7	8.7	8.7	8.6	9.1	8.5	8.5	8.9	1.2	7.9
28 Sumas	131.2	131.2	132.6	135.2	137.6	139.3	139.6	138.3	137.3	68.0	68.0	134.2	132.6	131.2
29 Sumas Compressor Station	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
30 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
31 Tamarack	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
32 TASCO - Nampa	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
33 TASCO - Twin Falls	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
34 Thompson River Co-Gen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Vaagen Bros.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 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
37 Warm Springs Cogen	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
38 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
39 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
40 Total Thermal - Cogeneration	2614	2614	2632	2677	2699	2713	2715	2709	2069	2612	2133	2367	2618	2611

Regional: Thermal - Cogeneration
Operating Year: 2025 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Cogeneration														
1 Boise Cascade Medford	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
2 Cogen Co	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
3 Cogen Co 2	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	0.0	7.5	7.5	7.5
4 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
5 Coyote Springs	229.0	229.0	235.6	243.4	250.7	255.9	256.8	253.6	249.0	244.5	244.5	238.9	233.4	228.7
6 Coyote Springs 2	286.0	286.0	291.0	316.0	323.0	325.0	324.0	325.0	322.0	315.0	315.0	291.0	288.0	279.0
7 Evergreen Biopower Cogen	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
8 Ferndale Cogeneration Station	271.1	271.1	273.6	278.6	283.0	286.1	286.8	284.3	282.4	279.9	279.9	0.0	273.6	271.1
9 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
10 Haleywest L.L.C	4.5	4.5	4.2	4.6	4.4	4.4	4.0	4.0	4.2	3.7	3.7	4.2	4.3	3.9
11 Hampton Lumber Mill (Darrington)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
12 Hermiston Generation Project	472.0	472.0	472.0	472.0	472.0	472.0	472.0	472.0	472.0	0.0	0.0	472.0	472.0	472.0
13 Hermiston Power Project	630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0	0.0	630.0	630.0	630.0	630.0	630.0
14 InterFor Pacific - Gilchrist	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
15 International Paper Energy Center	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
16 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
17 March Point Cogeneration	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0
18 Nippon Paper Cogen (Port Angeles)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
19 Oregon State University Energy Center	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
20 Port Townsend Mill	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
21 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
22 Rupert Cogeneration Facility	7.5	7.5	8.0	9.4	9.4	8.6	8.2	9.1	9.1	7.7	7.7	7.5	8.0	8.0
23 SDS Lumber	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
24 Seneca Sawmill Cogen	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
25 Sierra Pacific - Abberdeen	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
26 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
27 Simplot Pocatello	9.1	9.1	9.4	8.4	8.7	8.7	8.7	8.6	9.1	8.5	8.5	8.9	1.2	7.9
28 Sumas	131.2	131.2	132.6	135.2	137.6	139.3	139.6	138.3	137.3	68.0	68.0	134.2	132.6	131.2
29 Sumas Compressor Station	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
30 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
31 Tamarack	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
32 TASCO - Nampa	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
33 TASCO - Twin Falls	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
34 Thompson River Co-Gen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Vaagen Bros.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 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
37 Warm Springs Cogen	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
38 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
39 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
40 Total Thermal - Cogeneration	2614	2614	2632	2677	2699	2713	2715	2709	2069	2140	2133	2367	2618	2611

Regional: Thermal - Cogeneration
Operating Year: 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Cogeneration														
1 Boise Cascade Medford	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
2 Cogen Co	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
3 Cogen Co 2	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	0.0	7.5	7.5	7.5
4 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
5 Coyote Springs	229.0	229.0	235.6	243.4	250.7	255.9	256.8	253.6	249.0	244.5	244.5	238.9	233.4	228.7
6 Coyote Springs 2	286.0	286.0	291.0	316.0	323.0	325.0	324.0	325.0	322.0	315.0	315.0	291.0	288.0	279.0
7 Evergreen Biopower Cogen	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
8 Ferndale Cogeneration Station	271.1	271.1	273.6	278.6	283.0	286.1	286.8	284.3	282.4	279.9	279.9	0.0	273.6	271.1
9 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
10 Haleywest L.L.C	4.5	4.5	4.2	4.6	4.4	4.4	4.0	4.0	4.2	3.7	3.7	4.2	4.3	3.9
11 Hampton Lumber Mill (Darrington)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
12 Hermiston Generation Project	472.0	472.0	472.0	472.0	472.0	472.0	472.0	472.0	472.0	472.0	0.0	472.0	472.0	472.0
13 Hermiston Power Project	630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0	0.0	630.0	630.0	630.0	630.0	630.0
14 InterFor Pacific - Gilchrist	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
15 International Paper Energy Center	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
16 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
17 March Point Cogeneration	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0
18 Nippon Paper Cogen (Port Angeles)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
19 Oregon State University Energy Center	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
20 Port Townsend Mill	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
21 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
22 Rupert Cogeneration Facility	7.5	7.5	8.0	9.4	9.4	8.6	8.2	9.1	9.1	7.7	7.7	7.5	8.0	8.0
23 SDS Lumber	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
24 Seneca Sawmill Cogen	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
25 Sierra Pacific - Abberdeen	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
26 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
27 Simplot Pocatello	9.1	9.1	9.4	8.4	8.7	8.7	8.7	8.6	9.1	8.5	8.5	8.9	1.2	7.9
28 Sumas	131.2	131.2	132.6	135.2	137.6	139.3	139.6	138.3	137.3	68.0	68.0	134.2	132.6	131.2
29 Sumas Compressor Station	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
30 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
31 Tamarack	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
32 TASCO - Nampa	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
33 TASCO - Twin Falls	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
34 Thompson River Co-Gen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Vaagen Bros.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 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
37 Warm Springs Cogen	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
38 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
39 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
40 Total Thermal - Cogeneration	2614	2614	2632	2677	2699	2713	2715	2709	2069	2612	2133	2367	2618	2611

Regional: Thermal - Cogeneration
Operating Year: 2027 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Cogeneration														
1 Boise Cascade Medford	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
2 Cogen Co	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
3 Cogen Co 2	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	0.0	7.5	7.5	7.5
4 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
5 Coyote Springs	229.0	229.0	235.6	243.4	250.7	255.9	256.8	253.6	249.0	244.5	244.5	238.9	233.4	228.7
6 Coyote Springs 2	286.0	286.0	291.0	316.0	323.0	325.0	324.0	325.0	322.0	315.0	315.0	291.0	288.0	279.0
7 Evergreen Biopower Cogen	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
8 Ferndale Cogeneration Station	271.1	271.1	273.6	278.6	283.0	286.1	286.8	284.3	282.4	279.9	279.9	0.0	273.6	271.1
9 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
10 Haleywest L.L.C	4.5	4.5	4.2	4.6	4.4	4.4	4.0	4.0	4.2	3.7	3.7	4.2	4.3	3.9
11 Hampton Lumber Mill (Darrington)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
12 Hermiston Generation Project	472.0	472.0	472.0	472.0	472.0	472.0	472.0	472.0	472.0	472.0	0.0	472.0	472.0	472.0
13 Hermiston Power Project	630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0	0.0	630.0	630.0	630.0	630.0	630.0
14 InterFor Pacific - Gilchrist	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
15 International Paper Energy Center	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
16 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
17 March Point Cogeneration	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0
18 Nippon Paper Cogen (Port Angeles)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
19 Oregon State University Energy Center	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
20 Port Townsend Mill	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
21 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
22 Rupert Cogeneration Facility	7.5	7.5	8.0	9.4	9.4	8.6	8.2	9.1	9.1	7.7	7.7	7.5	8.0	8.0
23 SDS Lumber	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
24 Seneca Sawmill Cogen	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
25 Sierra Pacific - Abberdeen	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
26 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
27 Simplot Pocatello	9.1	9.1	9.4	8.4	8.7	8.7	8.7	8.6	9.1	8.5	8.5	8.9	1.2	7.9
28 Sumas	131.2	131.2	132.6	135.2	137.6	139.3	139.6	138.3	137.3	68.0	68.0	134.2	132.6	131.2
29 Sumas Compressor Station	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
30 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
31 Tamarack	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
32 TASCO - Nampa	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
33 TASCO - Twin Falls	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
34 Thompson River Co-Gen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Vaagen Bros.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 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
37 Warm Springs Cogen	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
38 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
39 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
40 Total Thermal - Cogeneration	2614	2614	2632	2677	2699	2713	2715	2709	2069	2612	2133	2367	2618	2611

Regional: Thermal - Cogeneration
Operating Year: 2028 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Cogeneration														
1 Boise Cascade Medford	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
2 Cogen Co	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
3 Cogen Co 2	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	0.0	7.5	7.5	7.5
4 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
5 Coyote Springs	229.0	229.0	235.6	243.4	250.7	255.9	256.8	253.6	249.0	244.5	244.5	238.9	233.4	228.7
6 Coyote Springs 2	286.0	286.0	291.0	316.0	323.0	325.0	324.0	325.0	322.0	315.0	315.0	291.0	288.0	279.0
7 Evergreen Biopower Cogen	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
8 Ferndale Cogeneration Station	271.1	271.1	273.6	278.6	283.0	286.1	286.8	284.3	282.4	279.9	279.9	0.0	273.6	271.1
9 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
10 Haleywest L.L.C	4.5	4.5	4.2	4.6	4.4	4.4	4.0	4.0	4.2	3.7	3.7	4.2	4.3	3.9
11 Hampton Lumber Mill (Darrington)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
12 Hermiston Generation Project	472.0	472.0	472.0	472.0	472.0	472.0	472.0	472.0	472.0	0.0	0.0	472.0	472.0	472.0
13 Hermiston Power Project	630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0	0.0	630.0	630.0	630.0	630.0	630.0
14 InterFor Pacific - Gilchrist	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
15 International Paper Energy Center	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
16 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
17 March Point Cogeneration	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0
18 Nippon Paper Cogen (Port Angeles)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
19 Oregon State University Energy Center	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
20 Port Townsend Mill	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
21 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
22 Rupert Cogeneration Facility	7.5	7.5	8.0	9.4	9.4	8.6	8.2	9.1	9.1	7.7	7.7	7.5	8.0	8.0
23 SDS Lumber	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
24 Seneca Sawmill Cogen	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
25 Sierra Pacific - Abberdeen	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
26 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
27 Simplot Pocatello	9.1	9.1	9.4	8.4	8.7	8.7	8.7	8.6	9.1	8.5	8.5	8.9	1.2	7.9
28 Sumas	131.2	131.2	132.6	135.2	137.6	139.3	139.6	138.3	137.3	68.0	68.0	134.2	132.6	131.2
29 Sumas Compressor Station	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
30 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
31 Tamarack	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
32 TASCO - Nampa	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
33 TASCO - Twin Falls	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
34 Thompson River Co-Gen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Vaagen Bros.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 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
37 Warm Springs Cogen	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
38 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
39 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
40 Total Thermal - Cogeneration	2614	2614	2632	2677	2699	2713	2715	2709	2069	2140	2133	2367	2618	2611

Regional: Thermal - Cogeneration
Operating Year: 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-09100C

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Thermal - Cogeneration														
1 Boise Cascade Medford	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
2 Cogen Co	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
3 Cogen Co 2	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	0.0	7.5	7.5	7.5
4 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
5 Coyote Springs	229.0	229.0	235.6	243.4	250.7	255.9	256.8	253.6	249.0	244.5	244.5	238.9	233.4	228.7
6 Coyote Springs 2	286.0	286.0	291.0	316.0	323.0	325.0	324.0	325.0	322.0	315.0	315.0	291.0	288.0	279.0
7 Evergreen Biopower Cogen	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
8 Ferndale Cogeneration Station	271.1	271.1	273.6	278.6	283.0	286.1	286.8	284.3	282.4	279.9	279.9	0.0	273.6	271.1
9 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
10 Haleywest L.L.C	4.5	4.5	4.2	4.6	4.4	4.4	4.0	4.0	4.2	3.7	3.7	4.2	4.3	3.9
11 Hampton Lumber Mill (Darrington)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
12 Hermiston Generation Project	472.0	472.0	472.0	472.0	472.0	472.0	472.0	472.0	472.0	472.0	0.0	472.0	472.0	472.0
13 Hermiston Power Project	630.0	630.0	630.0	630.0	630.0	630.0	630.0	630.0	0.0	630.0	630.0	630.0	630.0	630.0
14 InterFor Pacific - Gilchrist	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
15 International Paper Energy Center	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
16 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
17 March Point Cogeneration	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0
18 Nippon Paper Cogen (Port Angeles)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
19 Oregon State University Energy Center	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
20 Port Townsend Mill	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
21 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
22 Rupert Cogeneration Facility	7.5	7.5	8.0	9.4	9.4	8.6	8.2	9.1	9.1	7.7	7.7	7.5	8.0	8.0
23 SDS Lumber	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
24 Seneca Sawmill Cogen	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
25 Sierra Pacific - Abberdeen	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
26 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
27 Simplot Pocatello	9.1	9.1	9.4	8.4	8.7	8.7	8.7	8.6	9.1	8.5	8.5	8.9	1.2	7.9
28 Sumas	131.2	131.2	132.6	135.2	137.6	139.3	139.6	138.3	137.3	68.0	68.0	134.2	132.6	131.2
29 Sumas Compressor Station	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
30 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
31 Tamarack	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
32 TASCO - Nampa	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
33 TASCO - Twin Falls	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
34 Thompson River Co-Gen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Vaagen Bros.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36 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
37 Warm Springs Cogen	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
38 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
39 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
40 Total Thermal - Cogeneration	2614	2614	2632	2677	2699	2713	2715	2709	2069	2612	2133	2367	2618	2611

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Exhibit 15
Non-Federal CER Deliveries to BPA

Monthly Capacity
Operating Year 2020 to 2029

Non-Federal CER Deliveries to BPA
Operating Year: 2020
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	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 Wanapum	50.0	50.0	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
Total Imports														
7 Federal Entities	239	239	239	239	239	239	239	239	239	239	239	239	239	239
8 Total Imports	239	239	239	239	239	239	239	239	239	239	239	239	239	239

Non-Federal CER Deliveries to BPA
Operating Year: 2021
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	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 Wanapum	50.0	50.0	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
Total Imports														
7 Federal Entities	239	239	239	239	239	239	239	239	239	239	239	239	239	239
8 Total Imports	239	239	239	239	239	239	239	239	239	239	239	239	239	239

Non-Federal CER Deliveries to BPA
Operating Year: 2022
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	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 Wanapum	50.0	50.0	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
Total Imports														
7 Federal Entities	239	239	239	239	239	239	239	239	239	239	239	239	239	239
8 Total Imports	239	239	239	239	239	239	239	239	239	239	239	239	239	239

Non-Federal CER Deliveries to BPA
Operating Year: 2023
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	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 Wanapum	50.0	50.0	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
Total Imports														
7 Federal Entities	239	239	239	239	239	239	239	239	239	239	239	239	239	239
8 Total Imports	239	239	239	239	239	239	239	239	239	239	239	239	239	239

Non-Federal CER Deliveries to BPA
Operating Year: 2024
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	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 Wanapum	50.0	50.0	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
Total Imports														
7 Federal Entities	239	239	239	239	239	239	239	239	239	239	239	239	239	239
8 Total Imports	239	239	239	239	239	239	239	239	239	239	239	239	239	239

Non-Federal CER Deliveries to BPA
Operating Year: 2025
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	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 Wanapum	50.0	50.0	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
Total Imports														
7 Federal Entities	239	239	239	239	239	239	239	239	239	239	239	239	239	239
8 Total Imports	239	239	239	239	239	239	239	239	239	239	239	239	239	239

Non-Federal CER Deliveries to BPA
Operating Year: 2026
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	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 Wanapum	50.0	50.0	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
Total Imports														
7 Federal Entities	239	239	239	239	239	239	239	239	239	239	239	239	239	239
8 Total Imports	239	239	239	239	239	239	239	239	239	239	239	239	239	239

Non-Federal CER Deliveries to BPA
Operating Year: 2027
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	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 Wanapum	50.0	50.0	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
Total Imports														
7 Federal Entities	239	239	239	239	239	239	239	239	239	239	239	239	239	239
8 Total Imports	239	239	239	239	239	239	239	239	239	239	239	239	239	239

Non-Federal CER Deliveries to BPA
Operating Year: 2028
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	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 Wanapum	50.0	50.0	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
Total Imports														
7 Federal Entities	239	239	239	239	239	239	239	239	239	239	239	239	239	239
8 Total Imports	239	239	239	239	239	239	239	239	239	239	239	239	239	239

Non-Federal CER Deliveries to BPA
Operating Year: 2029
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	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 Wanapum	50.0	50.0	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
Total Imports														
7 Federal Entities	239	239	239	239	239	239	239	239	239	239	239	239	239	239
8 Total Imports	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 2020 to 2029

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Exhibit 16
Federal Report Surplus Deficit

Monthly 120-Hour Capacity
Operating Year 2020 to 2029
Using 1937-Water Conditions

Loads and Resources - Federal System
Operating Year: 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
1 Load Following	4203	3986	3687	3513	4065	4601	4496	4259	3868	3888	3781	3661	3894	4216
2 Preference Customers	4362	4362	4046	4195	4864	5512	5468	5163	4688	4420	4420	4085	4148	4402
3 Federal Agencies	134	134	128	142	175	208	204	186	167	142	142	136	135	144
4 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
5 Federal Diversity	-907	-1125	-1027	-1231	-1212	-1435	-1457	-1372	-1369	-1128	-1235	-1101	-976	-950
6 Tier 1 Block	352	352	597	555	954	979	1039	921	926	442	442	166	21.2	368
7 Tier 1 Block	352	352	597	555	954	979	1039	921	926	442	442	166	21.2	368
8 Slice	3575	3120	3098	2946	3674	3898	3531	3236	3227	2755	2574	3146	3761	3396
9 Slice Block	1222	1222	1169	1159	1356	1559	1553	1373	1311	1216	1216	1179	1155	1210
10 Slice Output from T1 System	2352	1898	1929	1787	2318	2338	1978	1862	1916	1539	1358	1967	2606	2186
11 Direct Service Industries	87.0	87.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
12 Direct Service Industry	87.0	87.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
13 Contract Deliveries	1686	1686	1540	1539	1546	1546	1395	1395	1388	1388	1388	1388	1388	1409
14 Exports	1535	1535	1389	1388	1388	1388	1312	1312	1312	1312	1312	1312	1312	1333
15 Intra-Regional Transfers (Out)	151	151	151	151	158	158	83.2	83.2	76.2	76.2	76.2	76.2	76.2	76.2
16 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Total Firm Obligations	9903	9230	8934	8565	10252	11036	10472	9823	9421	8484	8196	8373	9076	9401
Net Resources														
18 Hydro	11638	9577	9547	9110	11355	11502	9818	9300	9663	8324	7429	10064	13360	11368
19 Regulated Hydro - Net	11065	9013	9022	8634	10933	11186	9615	9070	9273	7706	6795	9245	12516	10759
20 Independent Hydro - Net	569	560	522	472	417	311	198	225	385	613	629	815	840	605
21 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
22 Non-Hydro Renewable	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Other - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Thermal	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
27 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
28 Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loads and Resources - Federal System
Operating Year: 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
²⁹ Natural Gas - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
³⁰ Petroleum - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
³¹ Biofuel - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
³² Cogeneration - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
³³ Contract Purchases	553	542	543	425	438	438	429	427	428	419	414	429	445	434
³⁴ Imports	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	76.0
³⁵ Intra-Regional Transfers (In)	182	182	182	16.8	16.8	16.8	16.8	16.8	16.8	66.8	66.8	66.8	66.8	66.8
³⁶ Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
³⁷ Slice Transmission Loss Return	56.6	45.7	46.4	43.0	55.8	56.3	47.6	44.8	46.1	37.0	32.7	47.3	62.7	52.6
³⁸ Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
³⁹ Reserves & Losses	-1715	-1587	-1590	-1802	-1978	-2020	-1913	-1861	-1865	-1762	-1706	-1828	-2093	-1984
⁴⁰ Operating Reserves	-727	-667	-648	-656	-759	-798	-747	-711	-702	-643	-617	-648	-761	-718
⁴¹ Balancing Reserves	-579	-579	-602	-833	-833	-833	-833	-833	-833	-833	-833	-833	-879	-879
⁴² Transmission Losses	-410	-341	-340	-314	-386	-390	-334	-317	-330	-286	-257	-347	-453	-387
⁴³ Total Net Resources	11639	9695	9679	8913	10993	11100	9503	9034	9395	8141	7297	9817	12865	10986
⁴⁴ Total Surplus/Deficit	1,736	465	745	348	741	64	-969	-789	-26	-343	-900	1,444	3,789	1,585

Loads and Resources - Federal System
Operating Year: 2021 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
45 Load Following	4173	3883	3557	3547	4101	4593	4603	4325	3875	3951	3784	3700	3889	4223
46 Preference Customers	4286	4286	3966	4221	4890	5539	5493	5188	4703	4445	4445	4105	4169	4424
47 Federal Agencies	138	138	132	150	185	220	218	198	178	150	150	143	143	152
48 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
49 Federal Diversity	-865	-1156	-1079	-1229	-1212	-1482	-1388	-1344	-1387	-1098	-1264	-1089	-1010	-974
50 Tier 1 Block	417	417	692	556	991	946	1076	959	896	443	443	166	21.1	368
51 Tier 1 Block	417	417	692	556	991	946	1076	959	896	443	443	166	21.1	368
52 Slice	3355	3023	2870	2993	3740	3928	3638	3337	3273	2781	2560	2884	3578	3439
53 Slice Block	1181	1181	1126	1191	1392	1598	1591	1459	1346	1250	1250	1211	1187	1243
54 Slice Output from T1 System	2173	1842	1744	1802	2348	2330	2047	1879	1927	1532	1311	1673	2391	2197
55 Direct Service Industries	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
56 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
57 Contract Deliveries	1309	1393	1248	1248	1238	1238	1336	1336	1329	1329	1329	1329	1329	1351
58 Exports	1232	1317	1172	1172	1172	1172	1120	1120	1120	1120	1120	1120	1120	1142
59 Intra-Regional Transfers (Out)	76.2	76.2	76.2	76.2	66.4	66.4	216	216	209	209	209	209	209	209
60 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Total Firm Obligations	9264	8728	8380	8356	10082	10717	10665	9970	9384	8516	8128	8092	8829	9393
Net Resources														
62 Hydro	11018	9397	9124	9256	11545	11479	10111	9405	9763	8255	7009	10549	13492	11314
63 Regulated Hydro - Net	10446	8833	8599	8780	11123	11164	9908	9175	9373	7637	6376	9730	12648	10706
64 Independent Hydro - Net	569	560	522	472	417	311	198	225	385	613	629	815	840	605
65 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
66 Non-Hydro Renewable	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 Other - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Thermal	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
71 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
72 Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loads and Resources - Federal System
Operating Year: 2021 Water Year: 1937
2018 White Book Report Date: 12/1/2018 Continued

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
73 Natural Gas - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Petroleum - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Biofuel - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Cogeneration - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Contract Purchases	434	426	424	408	422	421	414	410	411	402	397	405	423	293
78 Imports	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	1.00
79 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
80 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
81 Slice Transmission Loss Return	52.3	44.3	42.0	43.4	56.5	56.1	49.3	45.2	46.4	36.9	31.5	40.3	57.5	52.9
82 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 Reserves & Losses	-1960	-1859	-1821	-1923	-2102	-2112	-2024	-1960	-1963	-1845	-1768	-1916	-2107	-2021
84 Operating Reserves	-706	-659	-635	-663	-768	-781	-738	-698	-687	-623	-587	-655	-748	-700
85 Balancing Reserves	-879	-879	-873	-946	-946	-946	-946	-946	-946	-942	-942	-942	-942	-942
86 Transmission Losses	-375	-321	-313	-314	-387	-385	-340	-317	-329	-280	-239	-320	-416	-379
87 Total Net Resources	10655	9127	8905	8922	11044	10969	9671	9023	9381	7971	6797	9038	11808	10754
88 Total Surplus/Deficit	1,391	399	526	566	962	252	-994	-946	-3	-545	-1,331	947	2,979	1,361

Loads and Resources - Federal System
Operating Year: 2022 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
89 Load Following	4173	3887	3575	3603	4123	4672	4665	4394	3946	4014	3816	3750	3932	4305
90 Preference Customers	4308	4308	3985	4249	4919	5569	5552	5252	4767	4512	4512	4169	4234	4490
91 Federal Agencies	145	145	138	153	190	225	223	203	182	153	153	146	146	155
92 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
93 Federal Diversity	-894	-1180	-1088	-1206	-1223	-1438	-1390	-1343	-1384	-1105	-1302	-1106	-1035	-961
94 Tier 1 Block	417	417	693	576	956	947	1077	960	897	443	443	166	21.1	381
95 Tier 1 Block	417	417	693	576	956	947	1077	960	897	443	443	166	21.1	381
96 Slice	3359	3046	2891	3109	3849	4080	3716	3463	3399	2897	2685	3305	3889	3557
97 Slice Block	1214	1214	1158	1289	1498	1710	1701	1564	1447	1350	1350	1307	1279	1335
98 Slice Output from T1 System	2146	1833	1733	1819	2350	2371	2015	1899	1952	1547	1335	1998	2610	2222
99 Direct Service Industries	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
100 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
101 Contract Deliveries	1390	1475	1329	1329	1336	1336	1336	1336	1329	1329	1329	1329	1329	1351
102 Exports	1181	1266	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1142
103 Intra-Regional Transfers (Out)	209	209	209	209	216	216	216	216	209	209	209	209	209	209
104 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 Total Firm Obligations	9352	8838	8500	8629	10276	11048	10807	10166	9583	8696	8287	8563	9183	9606
Net Resources														
106 Hydro	10952	9439	9143	9181	11466	11572	10085	9382	9711	7930	6979	10202	13143	11255
107 Regulated Hydro - Net	10379	8876	8618	8705	11044	11256	9882	9152	9321	7312	6346	9383	12299	10646
108 Independent Hydro - Net	569	560	522	472	417	311	198	225	385	613	629	815	840	605
109 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
110 Non-Hydro Renewable	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112 Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 Other - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Thermal	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
115 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
116 Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loads and Resources - Federal System
Operating Year: 2022 Water Year: 1937
2018 White Book Report Date: 12/1/2018 Continued

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
117 Natural Gas - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118 Petroleum - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Biofuel - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120 Cogeneration - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 Contract Purchases	292	284	282	284	297	297	288	286	287	277	272	288	303	293
122 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
123 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
125 Slice Transmission Loss Return	51.6	44.1	41.7	43.8	56.6	57.1	48.5	45.7	47.0	37.2	32.1	48.1	62.8	53.5
126 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 Reserves & Losses	-1996	-1902	-1887	-1915	-2094	-2134	-2048	-1985	-1984	-1844	-1785	-1971	-2152	-2050
128 Operating Reserves	-688	-644	-618	-645	-751	-788	-751	-711	-699	-617	-589	-667	-750	-711
129 Balancing Reserves	-942	-942	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
130 Transmission Losses	-367	-316	-306	-307	-381	-383	-333	-311	-322	-264	-233	-342	-439	-376
131 Total Net Resources	10410	8984	8716	8731	10847	10915	9495	8852	9182	7523	6626	9670	12448	10666
132 Total Surplus/Deficit	1,058	146	216	102	571	-133	-1,312	-1,313	-400	-1,173	-1,660	1,107	3,264	1,061

Loads and Resources - Federal System
Operating Year: 2023 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
133 Load Following	4194	3857	3630	3648	4177	4721	4699	4408	3958	4050	3862	3737	3953	4319
134 Preference Customers	4375	4375	4052	4312	4986	5631	5582	5257	4797	4543	4543	4197	4262	4519
135 Federal Agencies	149	149	141	152	188	223	221	198	180	152	152	145	145	154
136 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
137 Federal Diversity	-944	-1281	-1102	-1222	-1235	-1450	-1385	-1329	-1400	-1098	-1286	-1146	-1041	-975
138 Tier 1 Block	404	404	694	573	941	934	1059	942	881	458	458	161	21.1	377
139 Tier 1 Block	404	404	694	573	941	934	1059	942	881	458	458	161	21.1	377
140 Slice	3474	3122	3003	3119	3878	4080	3787	3479	3408	2912	2691	3004	3669	3564
141 Slice Block	1308	1308	1255	1313	1525	1740	1731	1592	1473	1374	1374	1330	1302	1360
142 Slice Output from T1 System	2166	1815	1748	1806	2353	2340	2056	1887	1935	1538	1317	1674	2367	2205
143 Direct Service Industries	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
144 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
145 Contract Deliveries	1390	1475	1329	1329	1336	1336	1336	1336	1329	1329	1329	1329	1329	1351
146 Exports	1181	1266	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1142
147 Intra-Regional Transfers (Out)	209	209	209	209	216	216	216	216	209	209	209	209	209	209
148 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Total Firm Obligations	9474	8871	8668	8681	10345	11083	10893	10178	9589	8762	8353	8244	8984	9624
Net Resources														
150 Hydro	10973	9557	9012	9153	11500	11570	10079	9389	9626	7932	7013	10013	13037	11262
151 Regulated Hydro - Net	10400	8993	8487	8677	11079	11255	9876	9160	9236	7315	6380	9194	12194	10654
152 Independent Hydro - Net	569	560	522	472	417	311	198	225	385	613	629	815	840	605
153 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
154 Non-Hydro Renewable	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156 Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Other - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Thermal	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
159 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
160 Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loads and Resources - Federal System
Operating Year: 2023 Water Year: 1937
2018 White Book Report Date: **12/1/2018** *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
161 Natural Gas - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162 Petroleum - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163 Biofuel - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164 Cogeneration - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165 Contract Purchases	292	284	282	283	297	296	289	285	287	277	272	280	297	293
166 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
167 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
169 Slice Transmission Loss Return	52.1	43.7	42.1	43.5	56.6	56.3	49.5	45.4	46.6	37.0	31.7	40.3	57.0	53.1
170 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Reserves & Losses	-2030	-1942	-1892	-1926	-2109	-2147	-2050	-1987	-1981	-1847	-1790	-1923	-2108	-2052
172 Operating Reserves	-701	-659	-627	-657	-765	-801	-754	-713	-699	-619	-593	-663	-749	-713
173 Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
174 Transmission Losses	-366	-319	-302	-306	-381	-383	-333	-311	-320	-264	-234	-296	-396	-376
175 Total Net Resources	10398	9062	8581	8692	10867	10900	9487	8857	9100	7523	6655	8371	11226	10671
176 Total Surplus/Deficit	924	191	-87	10	522	-184	-1,406	-1,321	-489	-1,240	-1,699	127	2,243	1,048

Loads and Resources - Federal System
Operating Year: 2024 Water Year: 1937
2018 White Book Report Date: 12/1/2018

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
177 Load Following	4210	3878	3659	3662	4194	4783	4678	4388	4006	4013	3887	3752	4002	4279
178 Preference Customers	4404	4404	4080	4339	5013	5661	5609	5308	4824	4566	4566	4219	4284	4543
179 Federal Agencies	148	148	140	152	189	224	222	202	181	153	153	146	145	155
180 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
181 Federal Diversity	-957	-1288	-1100	-1235	-1246	-1418	-1433	-1404	-1380	-1160	-1285	-1153	-1014	-1040
182 Tier 1 Block	400	400	686	568	920	950	996	880	890	441	441	161	21.1	360
183 Tier 1 Block	400	400	686	568	920	950	996	880	890	441	441	161	21.1	360
184 Slice	3473	3142	3018	3112	3852	4083	3714	3408	3397	2898	2686	3302	3888	3557
185 Slice Block	1331	1331	1277	1286	1494	1705	1696	1506	1443	1346	1346	1303	1276	1333
186 Slice Output from T1 System	2142	1810	1741	1826	2357	2378	2018	1902	1955	1552	1340	1998	2612	2224
187 Direct Service Industries	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
188 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
189 Contract Deliveries	1390	1475	1329	1329	1336	1336	1336	1336	1329	1329	1329	1329	1329	1351
190 Exports	1181	1266	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1142
191 Intra-Regional Transfers (Out)	209	209	209	209	216	216	216	216	209	209	209	209	209	209
192 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 Total Firm Obligations	9485	8907	8705	8684	10314	11164	10736	10024	9635	8693	8356	8557	9252	9558
Net Resources														
194 Hydro	10991	9553	8946	9151	11496	11595	9956	9334	9631	7903	7010	10193	13086	11252
195 Regulated Hydro - Net	10418	8990	8421	8675	11075	11279	9753	9104	9241	7285	6377	9374	12242	10644
196 Independent Hydro - Net	569	560	522	472	417	311	198	225	385	613	629	815	840	605
197 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
198 Non-Hydro Renewable	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201 Other - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Thermal	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
203 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
204 Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loads and Resources - Federal System
Operating Year: 2024 Water Year: 1937
2018 White Book Report Date: **12/1/2018** *Continued*

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
205 Natural Gas - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Petroleum - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Biofuel - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Cogeneration - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Contract Purchases	292	284	282	284	297	297	289	286	287	277	272	288	303	294
210 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
211 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
213 Slice Transmission Loss Return	51.6	43.6	41.9	43.9	56.7	57.2	48.6	45.8	47.0	37.4	32.3	48.1	62.9	53.5
214 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Reserves & Losses	-2032	-1943	-1889	-1927	-2110	-2150	-2045	-1986	-1984	-1857	-1801	-1966	-2153	-2054
216 Operating Reserves	-703	-661	-627	-658	-766	-804	-753	-714	-702	-630	-604	-661	-753	-715
217 Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
218 Transmission Losses	-367	-319	-299	-306	-381	-383	-329	-309	-320	-263	-234	-341	-437	-376
219 Total Net Resources	10413	9057	8517	8689	10862	10922	9369	8803	9102	7484	6641	9666	12390	10660
220 Total Surplus/Deficit	927	150	-187	6	548	-242	-1,367	-1,222	-532	-1,210	-1,715	1,110	3,138	1,102

Loads and Resources - Federal System
Operating Year: 2025 Water Year: 1937
2018 White Book Report Date: 12/1/2018

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
221 Load Following	4193	3953	3715	3638	4217	4783	4696	4475	3999	4019	3923	3767	4019	4289
222 Preference Customers	4427	4427	4101	4367	5043	5691	5638	5339	4845	4595	4595	4245	4310	4571
223 Federal Agencies	148	148	141	154	190	226	224	204	183	154	154	147	147	156
224 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
225 Federal Diversity	-997	-1236	-1065	-1289	-1254	-1451	-1446	-1351	-1410	-1183	-1279	-1165	-1024	-1058
226 Tier 1 Block	395	395	702	547	914	944	989	910	884	440	440	161	21.0	358
227 Tier 1 Block	395	395	702	547	914	944	989	910	884	440	440	161	21.0	358
228 Slice	3468	3117	2997	3112	3870	4071	3779	3472	3400	2907	2686	2995	3661	3557
229 Slice Block	1305	1305	1251	1308	1520	1734	1725	1587	1468	1370	1370	1326	1298	1355
230 Slice Output from T1 System	2164	1812	1746	1804	2350	2337	2053	1885	1933	1537	1316	1669	2364	2202
231 Direct Service Industries	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
232 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
233 Contract Deliveries	1412	1497	1351	1351	1358	1358	1358	1358	1351	1351	1351	1351	1351	1372
234 Exports	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
235 Intra-Regional Transfers (Out)	209	209	209	209	216	216	216	216	209	209	209	209	209	209
236 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
237 Total Firm Obligations	9479	8974	8777	8660	10371	11169	10834	10227	9646	8728	8411	8285	9064	9589
Net Resources														
238 Hydro	10976	9555	8960	9137	11545	11619	10057	9398	9643	7929	7003	9921	13032	11244
239 Regulated Hydro - Net	10403	8992	8435	8661	11124	11303	9854	9168	9253	7311	6370	9102	12188	10635
240 Independent Hydro - Net	569	560	522	472	417	311	198	225	385	613	629	815	840	605
241 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
242 Non-Hydro Renewable	0	0	0	0	0	0	0	0	0	0	0	0	0	0
243 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
244 Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
245 Other - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
246 Thermal	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
247 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
248 Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loads and Resources - Federal System
Operating Year: 2025 Water Year: 1937
2018 White Book Report Date: 12/1/2018 Continued

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
249 Natural Gas - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
250 Petroleum - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
251 Biofuel - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
252 Cogeneration - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
253 Contract Purchases	292	284	282	283	297	296	289	285	287	277	272	280	297	293
254 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
255 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
256 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
257 Slice Transmission Loss Return	52.1	43.6	42.0	43.4	56.6	56.3	49.4	45.4	46.5	37.0	31.7	40.2	56.9	53.0
258 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
259 Reserves & Losses	-2034	-1945	-1892	-1928	-2115	-2153	-2053	-1992	-1986	-1860	-1802	-1911	-2112	-2055
260 Operating Reserves	-705	-663	-629	-659	-769	-806	-758	-718	-703	-633	-606	-655	-753	-717
261 Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
262 Transmission Losses	-366	-319	-300	-305	-383	-384	-332	-311	-320	-264	-233	-293	-396	-375
263 Total Net Resources	10397	9057	8529	8674	10906	10942	9462	8860	9112	7506	6633	8290	11217	10650
264 Total Surplus/Deficit	918	83	-248	14	534	-227	-1,371	-1,367	-534	-1,222	-1,778	4	2,152	1,061

Loads and Resources - Federal System
Operating Year: 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
265 Load Following	4246	3998	3704	3664	4272	4757	4722	4516	4038	4030	3945	3814	3986	4291
266 Preference Customers	4454	4454	4126	4393	5069	5719	5666	5368	4878	4619	4619	4267	4331	4593
267 Federal Agencies	149	149	142	154	191	227	225	205	183	154	154	147	147	156
268 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
269 Federal Diversity	-972	-1220	-1102	-1289	-1226	-1505	-1449	-1338	-1405	-1196	-1281	-1141	-1079	-1080
270 Tier 1 Block	407	407	672	546	949	909	987	908	883	439	439	166	21.0	357
271 Tier 1 Block	407	407	672	546	949	909	987	908	883	439	439	166	21.0	357
272 Slice	3466	3135	3011	3103	3841	4068	3699	3447	3383	2884	2672	3290	3874	3543
273 Slice Block	1327	1327	1273	1280	1487	1697	1688	1553	1436	1340	1340	1297	1270	1326
274 Slice Output from T1 System	2139	1808	1738	1823	2354	2371	2010	1894	1947	1544	1333	1993	2605	2217
275 Direct Service Industries	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
276 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
277 Contract Deliveries	1412	1497	1351	1351	1358	1358	1158	1158	1151	1151	1151	1151	1151	1172
278 Exports	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
279 Intra-Regional Transfers (Out)	209	209	209	209	216	216	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
280 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
281 Total Firm Obligations	9543	9048	8750	8676	10432	11103	10578	10042	9466	8516	8219	8432	9044	9375
Net Resources														
282 Hydro	10988	9547	8952	9155	11500	11578	9940	9318	9614	7886	6994	10187	13069	11236
283 Regulated Hydro - Net	10415	8984	8427	8679	11079	11263	9737	9088	9224	7269	6361	9367	12226	10627
284 Independent Hydro - Net	569	560	522	472	417	311	198	225	385	613	629	815	840	605
285 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
286 Non-Hydro Renewable	0	0	0	0	0	0	0	0	0	0	0	0	0	0
287 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
288 Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
289 Other - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
290 Thermal	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
291 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
292 Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loads and Resources - Federal System
Operating Year: 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018 Continued

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
293 Natural Gas - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
294 Petroleum - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
295 Biofuel - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
296 Cogeneration - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
297 Contract Purchases	291	284	282	284	297	297	288	286	287	277	272	288	303	293
298 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
299 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
301 Slice Transmission Loss Return	51.5	43.5	41.8	43.9	56.7	57.1	48.4	45.6	46.9	37.2	32.1	48.0	62.7	53.4
302 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
303 Reserves & Losses	-2036	-1947	-1893	-1931	-2114	-2134	-2029	-1970	-1968	-1840	-1785	-1959	-2136	-2037
304 Operating Reserves	-707	-665	-631	-662	-770	-787	-737	-698	-685	-614	-588	-655	-737	-699
305 Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
306 Transmission Losses	-366	-319	-299	-306	-381	-383	-329	-309	-320	-263	-234	-341	-437	-376
307 Total Net Resources	10406	9047	8520	8689	10862	10922	9368	8802	9102	7484	6641	9666	12390	10660
308 Total Surplus/Deficit	864	-1	-230	14	430	-182	-1,209	-1,239	-364	-1,033	-1,578	1,234	3,346	1,285

Loads and Resources - Federal System
Operating Year: 2027 Water Year: 1937
2018 White Book Report Date: 12/1/2018

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
309 Load Following	4274	4033	3720	3682	4265	4784	4785	4525	4025	4041	3956	3838	4009	4327
310 Preference Customers	4476	4476	4146	4418	5096	5747	5694	5369	4904	4644	4644	4290	4354	4617
311 Federal Agencies	150	150	142	155	192	228	226	203	184	155	155	148	148	157
312 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
313 Federal Diversity	-967	-1207	-1107	-1298	-1261	-1508	-1416	-1329	-1444	-1211	-1296	-1141	-1079	-1068
314 Tier 1 Block	406	406	670	546	949	909	1024	909	852	439	439	166	21.0	357
315 Tier 1 Block	406	406	670	546	949	909	1024	909	852	439	439	166	21.0	357
316 Slice	3460	3108	2988	3107	3864	4065	3773	3466	3395	2901	2680	2991	3656	3552
317 Slice Block	1299	1299	1246	1306	1517	1731	1722	1584	1465	1367	1367	1323	1295	1353
318 Slice Output from T1 System	2161	1809	1743	1801	2348	2334	2050	1882	1930	1534	1313	1668	2361	2199
319 Direct Service Industries	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
320 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
321 Contract Deliveries	1212	1297	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1172
322 Exports	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
323 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
324 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
325 Total Firm Obligations	9363	8856	8541	8497	10248	10928	10752	10070	9435	8544	8238	8158	8849	9421
Net Resources														
326 Hydro	10960	9539	8943	9121	11529	11602	10041	9381	9627	7912	6987	9915	13015	11227
327 Regulated Hydro - Net	10387	8975	8418	8645	11107	11287	9838	9151	9237	7295	6353	9095	12171	10619
328 Independent Hydro - Net	569	560	522	472	417	311	198	225	385	613	629	815	840	605
329 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
330 Non-Hydro Renewable	0	0	0	0	0	0	0	0	0	0	0	0	0	0
331 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
332 Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
333 Other - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
334 Thermal	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
335 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
336 Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loads and Resources - Federal System
Operating Year: 2027 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
337 Natural Gas - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
338 Petroleum - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
339 Biofuel - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
340 Cogeneration - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
341 Contract Purchases	292	284	282	283	297	296	289	285	286	277	272	280	297	293
342 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
343 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
344 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
345 Slice Transmission Loss Return	52.0	43.5	41.9	43.3	56.5	56.2	49.4	45.3	46.5	36.9	31.6	40.2	56.8	52.9
346 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
347 Reserves & Losses	-2018	-1929	-1875	-1911	-2099	-2136	-2037	-1975	-1970	-1843	-1786	-1905	-2095	-2038
348 Operating Reserves	-688	-647	-613	-643	-753	-789	-742	-701	-687	-616	-589	-648	-736	-700
349 Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
350 Transmission Losses	-366	-319	-300	-305	-383	-384	-332	-311	-320	-264	-233	-293	-396	-375
351 Total Net Resources	10397	9057	8529	8674	10906	10942	9462	8860	9112	7506	6633	8290	11217	10650
352 Total Surplus/Deficit	1,034	200	-13	177	657	14	-1,289	-1,210	-323	-1,038	-1,606	132	2,368	1,229

Loads and Resources - Federal System
Operating Year: 2028 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
353 Load Following	4296	4050	3739	3734	4233	4807	4811	4509	4038	4058	4013	3811	4031	4400
354 Preference Customers	4500	4500	4168	4444	5122	5775	5720	5418	4928	4667	4667	4310	4373	4637
355 Federal Agencies	151	151	143	155	193	229	227	207	185	156	156	149	148	158
356 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
357 Federal Diversity	-969	-1215	-1111	-1271	-1320	-1513	-1416	-1398	-1457	-1218	-1263	-1187	-1077	-1016
358 Tier 1 Block	406	406	671	566	914	910	1025	874	853	455	455	161	21.0	370
359 Tier 1 Block	406	406	671	566	914	910	1025	874	853	455	455	161	21.0	370
360 Slice	3461	3130	3005	3102	3840	4071	3702	3397	3386	2887	2676	3293	3877	3546
361 Slice Block	1325	1325	1271	1282	1489	1699	1691	1501	1438	1342	1342	1299	1271	1328
362 Slice Output from T1 System	2136	1805	1735	1820	2351	2372	2012	1896	1948	1546	1334	1994	2606	2218
363 Direct Service Industries	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
364 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
365 Contract Deliveries	1212	1297	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1172
366 Exports	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
367 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
368 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
369 Total Firm Obligations	9386	8895	8578	8565	10157	10958	10709	9950	9440	8564	8306	8428	9092	9500
Net Resources														
370 Hydro	10971	9531	8935	9138	11484	11581	9943	9321	9617	7889	6997	10189	13072	11239
371 Regulated Hydro - Net	10399	8967	8410	8662	11062	11266	9741	9092	9227	7272	6363	9370	12228	10630
372 Independent Hydro - Net	569	560	522	472	417	311	198	225	385	613	629	815	840	605
373 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
374 Non-Hydro Renewable	0	0	0	0	0	0	0	0	0	0	0	0	0	0
375 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
376 Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377 Other - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
378 Thermal	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
379 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
380 Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loads and Resources - Federal System
Operating Year: 2028 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
381 Natural Gas - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
382 Petroleum - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
383 Biofuel - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
384 Cogeneration - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
385 Contract Purchases	291	283	282	284	297	297	288	286	287	277	272	288	303	293
386 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
387 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
388 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
389 Slice Transmission Loss Return	51.4	43.4	41.8	43.8	56.6	57.1	48.4	45.6	46.9	37.2	32.1	48.0	62.7	53.4
390 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391 Reserves & Losses	-2020	-1930	-1876	-1914	-2097	-2137	-2032	-1973	-1971	-1843	-1788	-1962	-2139	-2040
392 Operating Reserves	-690	-648	-614	-645	-753	-790	-740	-702	-688	-617	-591	-658	-739	-702
393 Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
394 Transmission Losses	-366	-319	-299	-306	-381	-383	-329	-309	-320	-263	-234	-341	-437	-376
395 Total Net Resources	10406	9047	8520	8689	10862	10922	9368	8802	9102	7484	6641	9666	12390	10660
396 Total Surplus/Deficit	1,020	152	-58	125	705	-36	-1,340	-1,148	-338	-1,080	-1,665	1,238	3,297	1,159

Loads and Resources - Federal System
Operating Year: 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
397 Load Following	4246	3929	3766	3748	4262	4878	4801	4550	4035	4058	4018	3820	4060	4412
398 Preference Customers	4519	4519	4186	4465	5144	5799	5745	5446	4944	4690	4690	4330	4393	4658
399 Federal Agencies	151	151	143	156	193	229	227	207	185	156	156	149	149	158
400 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
401 Federal Diversity	-1039	-1356	-1102	-1279	-1313	-1467	-1451	-1386	-1476	-1241	-1281	-1199	-1068	-1025
402 Tier 1 Block	393	393	671	564	911	940	985	906	850	454	454	160	21.0	369
403 Tier 1 Block	393	393	671	564	911	940	985	906	850	454	454	160	21.0	369
404 Slice	3463	3111	2991	3101	3857	4056	3764	3458	3388	2895	2674	2985	3650	3546
405 Slice Block	1301	1301	1247	1299	1508	1721	1712	1575	1457	1360	1360	1315	1288	1346
406 Slice Output from T1 System	2162	1810	1744	1802	2349	2335	2052	1883	1931	1535	1314	1669	2362	2200
407 Direct Service Industries	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
408 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
409 Contract Deliveries	1212	1297	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1172
410 Exports	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
411 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
412 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
413 Total Firm Obligations	9325	8741	8592	8576	10200	11044	10720	10084	9436	8570	8309	8127	8894	9511
Net Resources														
414 Hydro	10963	9542	8946	9123	11531	11605	10043	9384	9629	7915	6989	9917	13017	11230
415 Regulated Hydro - Net	10390	8978	8421	8647	11110	11289	9841	9154	9239	7297	6356	9098	12174	10621
416 Independent Hydro - Net	569	560	522	472	417	311	198	225	385	613	629	815	840	605
417 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
418 Non-Hydro Renewable	0	0	0	0	0	0	0	0	0	0	0	0	0	0
419 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
420 Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
421 Other - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
422 Thermal	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
423 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
424 Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loads and Resources - Federal System
Operating Year: 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018 Continued

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
425 Natural Gas - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426 Petroleum - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
427 Biofuel - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
428 Cogeneration - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
429 Contract Purchases	292	284	282	283	297	296	289	285	286	277	272	280	297	293
430 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
431 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
432 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
433 Slice Transmission Loss Return	52.0	43.6	42.0	43.4	56.5	56.2	49.4	45.3	46.5	37.0	31.6	40.2	56.8	53.0
434 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
435 Reserves & Losses	-2020	-1932	-1878	-1914	-2101	-2139	-2040	-1978	-1972	-1846	-1788	-1907	-2098	-2041
436 Operating Reserves	-691	-650	-615	-645	-756	-792	-744	-705	-690	-619	-592	-651	-739	-703
437 Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
438 Transmission Losses	-366	-319	-300	-305	-383	-384	-332	-311	-320	-264	-233	-293	-396	-375
439 Total Net Resources	10397	9057	8529	8674	10906	10942	9462	8860	9112	7506	6633	8290	11217	10650
440 Total Surplus/Deficit	1,072	315	-63	98	706	-102	-1,258	-1,224	-324	-1,064	-1,676	163	2,323	1,138

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Exhibit 17
Regional Report Surplus Deficit

Monthly 120-Hour Capacity
Operating Year 2020 to 2029
Using 1937-Water Conditions

Loads and Resources - Pacific Northwest Region

Operating Year: 2020 Water Year: 1937

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
1 Retail Loads	30274	30056	27011	27709	31689	34274	33972	32085	29901	28359	28252	27228	28545	30664
2 Federal Agency	146	146	140	154	183	216	212	194	176	154	154	148	147	156
3 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
4 Cooperative	3018	3018	2771	2821	3182	3608	3540	3371	3107	3031	3031	2962	3079	3244
5 Municipality	3257	3257	3062	3448	3955	4359	4347	4135	3825	3495	3495	3078	3088	3274
6 Public Utility District	5540	5540	5148	5733	6674	7381	7399	6970	6477	5978	5978	5428	5323	5627
7 Investor-Owned Utility	18189	18189	15962	15961	18252	19413	19233	18088	16888	15959	15959	15755	16881	18277
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	412	412	412	413	412	412	413	412	412	413	413	412	412	412
10 Federal Diversity	-907	-1125	-1027	-1231	-1212	-1435	-1457	-1372	-1369	-1128	-1235	-1101	-976	-950
11 Exports	1910	1910	1763	1454	1446	1446	1369	1369	1369	1369	1377	1377	1686	1708
12 Canada	1381	1381	1260	1260	1260	1260	1260	1260	1260	1260	1260	1260	1260	1282
13 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
14 Inland Southwest	0	0	0	25.0	25.0	25.0	0	0	0	0	0	0	0	0
15 Pacific Southwest	528	528	502	168	160	160	108	108	108	108	116	116	425	425
16 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Total Regional Loads	32184	31966	28775	29163	33135	35720	35342	33455	31270	29728	29629	28605	30231	32372
Regional Resources														
18 Hydro	22972	20770	20029	19839	22058	22612	21154	20210	20522	18967	17900	21261	25384	23156
19 Regulated Hydro - Net	20941	18751	18134	18045	20379	20979	19676	18754	18749	16798	15706	18739	22783	20964
20 Independent Hydro - Net	1664	1656	1614	1595	1512	1472	1323	1287	1565	1845	1869	2077	2139	1749
21 Small Hydro - Net	367	364	280	199	167	161	156	169	207	324	325	446	463	443
22 Non-Hydro Renewable	218	218	218	219	218	218	207	219	218	218	218	219	217	217
23 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Solar - Net	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
25 Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
26 Thermal	16177	16177	16270	16393	16564	16650	16647	16594	15905	15878	14861	14207	15581	16180
27 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
28 Coal - Net	5868	5868	5867	5868	5868	5869	5869	5869	5868	5350	5868	4476	5714	5867
29 Natural Gas - Net	6463	6463	6523	6598	6749	6819	6825	6778	6730	6687	5632	6144	6025	6465
30 Petroleum - Net	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
31 Biofuel - Net	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7

Loads and Resources - Pacific Northwest Region

Operating Year: 2020 Water Year: 1937

2018 White Book Report Date: **12/1/2018** *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
³² Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2612	2133	2367	2618	2611
³³ Imports	984	984	857	848	1099	1202	1177	1209	910	765	765	807	1056	1134
³⁴ Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
³⁵ East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
³⁶ Inland Southwest	763	763	636	576	572	653	597	596	572	543	543	585	835	913
³⁷ Pacific Southwest	75.0	75.0	75.0	125	425	425	425	425	125	75.0	75.0	75.0	75.0	75.0
³⁸ Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
³⁹ Reserves & Losses	-3814	-3677	-3563	-3805	-4064	-4188	-4088	-3971	-3875	-3744	-3599	-3757	-4182	-4126
⁴⁰ Operating Reserves	-1957	-1893	-1778	-1800	-1976	-2079	-2028	-1940	-1863	-1789	-1711	-1779	-1972	-1968
⁴¹ Balancing Reserves	-579	-579	-602	-833	-833	-833	-833	-833	-833	-833	-833	-833	-879	-879
⁴² Transmission Losses	-1278	-1206	-1183	-1172	-1255	-1277	-1228	-1199	-1178	-1122	-1055	-1145	-1331	-1279
⁴³ Total Regional Resources	36537	34472	33811	33494	35876	36494	35096	34261	33680	32084	30146	32737	38056	36562
⁴⁴ Total Surplus/Deficit	4353	2506	5036	4331	2741	774	-246	806	2410	2356	517	4132	7825	4190

Loads and Resources - Pacific Northwest Region

Operating Year: 2021 Water Year: 1937

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
45 Retail Loads	30663	30373	27355	28081	32073	34620	34430	32903	30237	28741	28575	27591	28845	30974
46 Federal Agency	150	150	143	162	194	228	226	206	186	162	162	155	155	164
47 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
48 Cooperative	3140	3140	2909	2975	3338	3766	3685	3528	3241	3165	3165	3103	3201	3363
49 Municipality	3250	3250	3079	3460	3968	4372	4360	4147	3835	3504	3504	3086	3097	3282
50 Public Utility District	5645	5645	5264	5803	6749	7461	7517	7080	6578	6082	6082	5530	5423	5729
51 Investor-Owned Utility	18314	18314	16085	16089	18382	19542	19333	18586	16987	16056	16056	15848	16976	18373
52 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
53 Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
54 Federal Diversity	-865	-1156	-1079	-1229	-1212	-1482	-1388	-1344	-1387	-1098	-1264	-1089	-1010	-974
55 Exports	1607	1692	1546	1237	1229	1229	1178	1178	1178	1178	1186	1186	1495	1516
56 Canada	1181	1266	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1142
57 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
58 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Pacific Southwest	425	425	425	116	108	108	56.7	56.7	56.7	56.7	64.7	64.7	374	374
60 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Total Regional Loads	32270	32065	28901	29318	33302	35849	35607	34081	31415	29919	29760	28777	30340	32490
Regional Resources														
62 Hydro	21884	20515	19944	19988	22249	22589	21367	20235	20542	18818	17401	21666	25436	23103
63 Regulated Hydro - Net	19854	18494	18046	18192	20569	20957	19969	18859	18850	16729	15286	19223	22914	20911
64 Independent Hydro - Net	1664	1656	1614	1595	1512	1472	1243	1207	1485	1765	1789	1997	2059	1749
65 Small Hydro - Net	367	365	284	201	168	161	156	169	207	324	325	446	463	443
66 Non-Hydro Renewable	218	218	218	219	218	218	207	219	218	218	218	219	217	217
67 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Solar - Net	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
69 Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
70 Thermal	16177	16177	16270	16393	16564	15980	15407	15354	14665	15156	13621	12875	13187	14940
71 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
72 Coal - Net	5868	5868	5867	5868	5868	5199	4629	4629	4628	4628	4628	4295	4474	4627
73 Natural Gas - Net	6463	6463	6523	6598	6749	6819	6825	6778	6730	6687	5632	6144	6025	6465
74 Petroleum - Net	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
75 Biofuel - Net	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7

Loads and Resources - Pacific Northwest Region

Operating Year: 2021 Water Year: 1937

2018 White Book Report Date: **12/1/2018** *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
76 Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2612	2133	2367	2618	2611
77 Imports	992	992	861	852	1102	1206	1180	1212	914	769	769	811	1064	1068
78 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
79 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 Inland Southwest	771	771	640	580	575	657	600	599	576	547	547	589	843	922
81 Pacific Southwest	75.0	75.0	75.0	125	425	425	425	425	125	75.0	75.0	75.0	75.0	0
82 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 Reserves & Losses	-4038	-3953	-3824	-3931	-4193	-4263	-4141	-4024	-3915	-3787	-3603	-3823	-4138	-4112
84 Operating Reserves	-1926	-1887	-1780	-1812	-1990	-2067	-2005	-1924	-1834	-1755	-1667	-1771	-1945	-1938
85 Balancing Reserves	-879	-879	-873	-946	-946	-946	-946	-946	-946	-942	-942	-942	-942	-942
86 Transmission Losses	-1233	-1188	-1171	-1173	-1257	-1250	-1190	-1154	-1134	-1091	-994	-1111	-1251	-1232
87 Total Regional Resources	35233	33949	33470	33521	35941	35731	34019	32996	32425	31173	28406	31747	35766	35217
88 Total Surplus/Deficit	2963	1884	4569	4202	2639	-118	-1588	-1085	1010	1255	-1354	2970	5426	2727

Loads and Resources - Pacific Northwest Region

Operating Year: 2022 Water Year: 1937

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
89 Retail Loads	30976	30690	27664	28425	32408	35003	35056	33526	30844	29328	29130	28141	29379	31566
90 Federal Agency	157	157	150	165	198	233	231	211	190	165	165	158	158	167
91 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
92 Cooperative	3269	3269	3022	3086	3460	3872	3831	3675	3386	3326	3326	3248	3346	3523
93 Municipality	3259	3259	3086	3467	3978	4383	4399	4187	3872	3550	3550	3132	3142	3328
94 Public Utility District	5747	5747	5360	5904	6860	7579	7845	7401	6888	6360	6360	5804	5685	5995
95 Investor-Owned Utility	18409	18409	16178	16186	18481	19640	19442	18697	17094	16161	16161	15949	17080	18477
96 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
97 Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
98 Federal Diversity	-894	-1180	-1088	-1206	-1223	-1438	-1390	-1343	-1384	-1105	-1302	-1106	-1035	-961
99 Exports	1190	1275	1129	1129	1121	1121	1121	1121	1121	1121	1129	1129	1129	1151
100 Canada	1181	1266	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1142
101 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
102 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
104 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 Total Regional Loads	32166	31965	28793	29555	33529	36124	36177	34647	31965	30449	30259	29270	30508	32716
Regional Resources														
106 Hydro	21818	20557	19954	19833	22091	22602	21341	20213	20490	18493	17371	21319	25087	23043
107 Regulated Hydro - Net	19787	18536	18065	18117	20491	21049	19942	18837	18797	16404	15257	18876	22565	20851
108 Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
109 Small Hydro - Net	367	365	284	201	168	161	156	169	207	324	325	446	463	443
110 Non-Hydro Renewable	218	218	218	219	218	218	207	219	218	218	218	219	217	217
111 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112 Solar - Net	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
113 Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
114 Thermal	14937	14937	15030	15153	15324	15410	15280	15227	14538	13482	12419	14234	14367	14506
115 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
116 Coal - Net	4628	4628	4627	4628	4628	4629	4502	4502	4501	3426	3426	4503	4500	4193
117 Natural Gas - Net	6463	6463	6523	6598	6749	6819	6825	6778	6730	6687	5632	6144	6025	6465
118 Petroleum - Net	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
119 Biofuel - Net	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7

Loads and Resources - Pacific Northwest Region
Operating Year: 2022 Water Year: 1937
2018 White Book Report Date: **12/1/2018** *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
120 Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2140	2133	2367	2618	2611
121 Imports	925	925	790	731	980	1085	1059	1091	793	697	697	740	998	1078
122 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
123 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124 Inland Southwest	779	779	644	584	578	661	604	603	580	550	550	593	852	932
125 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
126 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 Reserves & Losses	-4023	-3945	-3838	-3865	-4128	-4249	-4165	-4048	-3936	-3722	-3585	-3890	-4190	-4130
128 Operating Reserves	-1896	-1859	-1750	-1780	-1958	-2059	-2022	-1941	-1850	-1738	-1673	-1786	-1950	-1952
129 Balancing Reserves	-942	-942	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
130 Transmission Losses	-1185	-1144	-1125	-1122	-1206	-1227	-1180	-1144	-1123	-1020	-949	-1141	-1276	-1214
131 Total Regional Resources	33875	32692	32154	32071	34486	35066	33721	32701	32103	29168	27120	32621	36480	34715
132 Total Surplus/Deficit	1709	728	3362	2516	957	-1058	-2456	-1946	138	-1280	-3139	3351	5972	1999

Loads and Resources - Pacific Northwest Region

Operating Year: 2023 Water Year: 1937

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
133 Retail Loads	31496	31159	28207	28960	32978	35587	35295	33730	31038	29543	29356	28301	29566	31735
134 Federal Agency	161	161	153	164	196	232	229	206	189	164	164	157	157	166
135 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
136 Cooperative	3414	3414	3167	3218	3578	3991	3924	3730	3465	3404	3404	3323	3435	3599
137 Municipality	3306	3306	3134	3508	4023	4421	4410	4197	3881	3559	3559	3141	3152	3339
138 Public Utility District	6016	6016	5621	6178	7173	7914	7869	7421	6905	6377	6377	5819	5677	5989
139 Investor-Owned Utility	18512	18512	16280	16292	18589	19748	19551	18807	17201	16267	16267	16049	17184	18580
140 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
141 Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
142 Federal Diversity	-944	-1281	-1102	-1222	-1235	-1450	-1385	-1329	-1400	-1098	-1286	-1146	-1041	-975
143 Exports	1190	1275	1129	1129	1121	1121	1121	1121	1121	1121	1129	1129	1129	1151
144 Canada	1181	1266	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1142
145 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
146 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
148 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Total Regional Loads	32686	32434	29336	30089	34099	36708	36416	34851	32159	30664	30485	29430	30695	32885
Regional Resources														
150 Hydro	21839	20675	19823	19805	22125	22600	21334	20220	20405	18496	17404	21130	24981	23051
151 Regulated Hydro - Net	19808	18654	17934	18088	20525	21048	19936	18844	18712	16407	15290	18687	22460	20859
152 Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
153 Small Hydro - Net	367	365	284	201	168	161	156	169	207	324	325	445	463	443
154 Hon-Hydro Renewable	218	218	218	219	218	218	207	219	218	218	218	219	217	217
155 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156 Solar - Net	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
157 Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
158 Thermal	14503	14503	14542	14667	14837	14920	14917	14865	14176	13814	12852	12749	12852	14453
159 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
160 Coal - Net	4194	4194	4193	4194	4194	4195	4195	4195	4194	3341	3859	4196	4193	4193
161 Natural Gas - Net	6463	6463	6469	6546	6696	6763	6769	6723	6675	6632	5632	6117	5971	6412
162 Petroleum - Net	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
163 Biofuel - Net	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7

Loads and Resources - Pacific Northwest Region
Operating Year: 2023 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
164 Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2612	2133	2367	2618	2611
165 Imports	934	934	794	735	983	1089	1062	1094	796	701	701	744	1007	1088
166 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
167 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 Inland Southwest	788	788	648	588	581	665	607	606	583	554	554	597	861	942
169 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
170 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Reserves & Losses	-4046	-3974	-3829	-3862	-4130	-4249	-4159	-4042	-3925	-3753	-3608	-3834	-4138	-4134
172 Operating Reserves	-1913	-1879	-1763	-1795	-1977	-2077	-2029	-1947	-1854	-1759	-1681	-1787	-1953	-1958
173 Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
174 Transmission Losses	-1170	-1132	-1104	-1104	-1191	-1210	-1167	-1132	-1108	-1031	-964	-1085	-1222	-1213
175 Total Regional Resources	33448	32356	31548	31563	34033	34578	33361	32355	31670	29476	27568	31007	34920	34675
176 Total Surplus/Deficit	762	-77.8	2212	1474	-66.0	-2130	-3056	-2495	-489	-1189	-2917	1577	4225	1790

Loads and Resources - Pacific Northwest Region

Operating Year: 2024 Water Year: 1937

2018 White Book Report Date: 12/1/2018

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
177 Retail Loads	31658	31326	28390	29125	33153	35824	35459	33487	31274	29679	29554	28482	29793	31875
178 Federal Agency	160	160	152	164	197	232	230	210	189	165	165	158	157	167
179 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
180 Cooperative	3490	3490	3256	3296	3655	4083	4002	3828	3556	3481	3481	3398	3496	3661
181 Municipality	3316	3316	3143	3517	4034	4433	4422	4210	3891	3568	3568	3148	3159	3347
182 Public Utility District	6003	6003	5603	6163	7162	7907	7888	7441	6920	6390	6390	5832	5713	6027
183 Investor-Owned Utility	18615	18615	16381	16398	18696	19855	19653	18503	17300	16365	16365	16143	17280	18677
184 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
185 Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
186 Federal Diversity	-957	-1288	-1100	-1235	-1246	-1418	-1433	-1404	-1380	-1160	-1285	-1153	-1014	-1040
187 Exports	1190	1275	1129	1129	1121	1121	1121	1121	1121	1121	1129	1129	1129	1151
188 Canada	1181	1266	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1142
189 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
190 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
192 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 Total Regional Loads	32848	32601	29519	30254	34274	36945	36580	34608	32395	30800	30683	29611	30922	33026
Regional Resources														
194 Hydro	21857	20671	19757	19803	22121	22625	21211	20165	20410	18466	17402	21310	25030	23040
195 Regulated Hydro - Net	19826	18650	17868	18087	20521	21072	19813	18788	18717	16377	15287	18867	22508	20849
196 Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
197 Small Hydro - Net	367	365	284	201	168	161	156	169	207	324	325	445	463	443
198 Hon-Hydro Renewable	218	218	218	219	218	218	207	219	218	218	218	219	217	217
199 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Solar - Net	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
201 Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
202 Thermal	14450	14450	14542	14664	14834	14920	14917	14865	14176	14667	13187	13565	14006	14453
203 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
204 Coal - Net	4194	4194	4193	4194	4194	4195	4195	4195	4194	4194	4194	3861	4193	4193
205 Natural Gas - Net	6410	6410	6469	6544	6693	6763	6769	6723	6675	6632	5632	6117	5971	6412
206 Petroleum - Net	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
207 Biofuel - Net	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7

Loads and Resources - Pacific Northwest Region
Operating Year: 2024 Water Year: 1937
2018 White Book Report Date: **12/1/2018** *Continued*

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
208 Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2612	2133	2367	2618	2611
209 Imports	942	942	799	739	986	1093	1065	1098	800	705	705	748	1016	1097
210 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
211 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Inland Southwest	796	796	653	592	584	669	610	610	587	558	558	601	870	951
213 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
214 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Reserves & Losses	-4050	-3977	-3831	-3867	-4135	-4257	-4158	-4034	-3931	-3795	-3634	-3869	-4186	-4140
216 Operating Reserves	-1918	-1884	-1766	-1800	-1982	-2084	-2032	-1940	-1860	-1773	-1696	-1788	-1960	-1964
217 Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
218 Transmission Losses	-1169	-1130	-1101	-1104	-1190	-1210	-1163	-1130	-1108	-1059	-975	-1118	-1262	-1213
219 Total Regional Resources	33416	32304	31486	31558	34025	34599	33242	32312	31672	30261	27878	31972	36084	34668
220 Total Surplus/Deficit	568	-297	1967	1303	-249	-2346	-3337	-2296	-723	-539	-2805	2361	5161	1643

Loads and Resources - Pacific Northwest Region

Operating Year: 2025 Water Year: 1937

2018 White Book Report Date: 12/1/2018

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
221 Retail Loads	31817	31578	28604	29261	33342	35979	35644	34144	31414	29829	29733	28635	29952	32027
222 Federal Agency	160	160	152	166	199	234	232	212	191	166	166	159	159	168
223 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
224 Cooperative	3552	3552	3302	3345	3705	4119	4039	3869	3579	3503	3503	3418	3516	3682
225 Municipality	3324	3324	3151	3525	4044	4443	4432	4220	3901	3577	3577	3156	3168	3356
226 Public Utility District	6036	6036	5633	6195	7198	7947	7943	7491	6964	6440	6440	5882	5762	6076
227 Investor-Owned Utility	18712	18712	16476	16497	18797	19954	19746	19004	17392	16455	16455	16229	17369	18766
228 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
229 Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
230 Federal Diversity	-997	-1236	-1065	-1289	-1254	-1451	-1446	-1351	-1410	-1183	-1279	-1165	-1024	-1058
231 Exports	1211	1296	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1172
232 Canada	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
233 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
234 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
236 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
237 Total Regional Loads	33029	32875	29755	30411	34485	37121	36786	35287	32556	30972	30884	29786	31103	33199
Regional Resources														
238 Hydro	21842	20673	19771	19789	22170	22649	21313	20228	20422	18492	17395	21038	24976	23032
239 Regulated Hydro - Net	19811	18652	17882	18073	20570	21097	19914	18852	18730	16403	15281	18595	22454	20840
240 Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
241 Small Hydro - Net	367	365	284	201	168	161	156	169	207	324	325	445	463	443
242 Hon-Hydro Renewable	218	218	218	219	218	218	207	219	218	218	218	219	217	217
243 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
244 Solar - Net	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
245 Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
246 Thermal	14450	14450	14542	14664	14834	14920	14917	14865	14176	13455	12447	12414	12852	14453
247 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
248 Coal - Net	4194	4194	4193	4194	4194	4195	4195	4195	4194	3454	3454	3861	4193	4193
249 Natural Gas - Net	6410	6410	6469	6544	6693	6763	6769	6723	6675	6632	5632	6117	5971	6412
250 Petroleum - Net	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
251 Biofuel - Net	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7

Loads and Resources - Pacific Northwest Region
Operating Year: 2025 Water Year: 1937
2018 White Book Report Date: **12/1/2018** *Continued*

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
252 Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2140	2133	2367	2618	2611
253 Imports	950	950	803	742	990	1097	1068	1101	804	708	708	751	1025	1107
254 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
255 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
256 Inland Southwest	804	804	657	595	588	673	613	613	591	561	561	604	879	961
257 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
258 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
259 Reserves & Losses	-4055	-3983	-3837	-3872	-4144	-4264	-4154	-4040	-3922	-3732	-3599	-3804	-4134	-4130
260 Operating Reserves	-1924	-1890	-1772	-1805	-1989	-2090	-2025	-1944	-1850	-1750	-1686	-1769	-1949	-1954
261 Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
262 Transmission Losses	-1169	-1130	-1102	-1103	-1192	-1211	-1167	-1132	-1109	-1019	-950	-1071	-1222	-1213
263 Total Regional Resources	33405	32308	31497	31542	34069	34620	33350	32373	31698	29141	27169	30617	34936	34679
264 Total Surplus/Deficit	376	-566	1743	1131	-416	-2501	-3436	-2914	-858	-1830	-3714	832	3834	1481

Loads and Resources - Pacific Northwest Region
Operating Year: 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
265 Retail Loads	32012	31764	28731	29432	33549	36106	35827	34342	31604	29987	29902	28825	30065	32175
266 Federal Agency	161	161	154	166	199	235	233	213	191	167	167	159	159	169
267 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
268 Cooperative	3573	3573	3322	3368	3727	4142	4063	3892	3602	3526	3526	3437	3536	3702
269 Municipality	3334	3334	3160	3534	4055	4455	4443	4230	3911	3584	3584	3165	3177	3365
270 Public Utility District	6086	6086	5680	6244	7250	8001	8006	7553	7029	6497	6497	5938	5817	6133
271 Investor-Owned Utility	18800	18800	16563	16587	18889	20046	19834	19093	17478	16540	16540	16309	17453	18849
272 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
273 Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
274 Federal Diversity	-972	-1220	-1102	-1289	-1226	-1505	-1449	-1338	-1405	-1196	-1281	-1141	-1079	-1080
275 Exports	1211	1296	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1172
276 Canada	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
277 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
278 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
279 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
280 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
281 Total Regional Loads	33223	33060	29881	30583	34691	37249	36970	35485	32746	31130	31053	29975	31215	33347
Regional Resources														
282 Hydro	21854	20665	19763	19807	22125	22608	21196	20149	20393	18450	17386	21303	25013	22987
283 Regulated Hydro - Net	19823	18644	17874	18091	20525	21056	19797	18773	18701	16361	15271	18861	22492	20795
284 Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
285 Small Hydro - Net	367	365	284	201	168	161	156	169	207	324	325	445	463	443
286 Hon-Hydro Renewable	218	218	218	219	218	218	207	219	218	218	218	219	217	217
287 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
288 Solar - Net	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
289 Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
290 Thermal	14450	14450	14542	14664	14834	14250	14114	14061	13372	13345	12384	13096	13203	13650
291 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
292 Coal - Net	4194	4194	4193	4194	4194	3525	3392	3392	3390	2872	3390	3392	3390	3389
293 Natural Gas - Net	6410	6410	6469	6544	6693	6763	6769	6723	6675	6632	5632	6117	5971	6412
294 Petroleum - Net	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
295 Biofuel - Net	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7

Loads and Resources - Pacific Northwest Region
Operating Year: 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
296 Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2612	2133	2367	2618	2611
297 Imports	958	958	808	746	993	1100	1071	1104	808	712	712	755	1035	1117
298 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
299 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300 Inland Southwest	812	812	662	599	591	676	616	616	595	565	565	608	889	971
301 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
302 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
303 Reserves & Losses	-4047	-3973	-3827	-3863	-4131	-4210	-4099	-3987	-3872	-3718	-3575	-3832	-4128	-4080
304 Operating Reserves	-1914	-1880	-1761	-1796	-1977	-2059	-2000	-1920	-1828	-1741	-1664	-1765	-1928	-1931
305 Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
306 Transmission Losses	-1170	-1131	-1102	-1104	-1191	-1188	-1136	-1104	-1082	-1015	-949	-1103	-1236	-1186
307 Total Regional Resources	33433	32318	31505	31572	34040	33967	32488	31546	30919	29007	27124	31541	35341	33891
308 Total Surplus/Deficit	210	-742	1624	990	-651	-3282	-4482	-3939	-1827	-2123	-3928	1566	4126	544

Loads and Resources - Pacific Northwest Region

Operating Year: 2027 Water Year: 1937

2018 White Book Report Date: 12/1/2018

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
309 Retail Loads	32185	31944	28887	29586	33684	36254	36028	34487	31723	30126	30041	28969	30212	32336
310 Federal Agency	162	162	154	167	200	236	234	211	192	167	167	160	160	169
311 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
312 Cooperative	3592	3592	3341	3389	3749	4165	4085	3890	3623	3546	3546	3455	3554	3721
313 Municipality	3343	3343	3168	3542	4066	4465	4454	4240	3921	3593	3593	3172	3186	3375
314 Public Utility District	6141	6141	5732	6291	7300	8031	8051	7595	7070	6537	6537	5976	5854	6171
315 Investor-Owned Utility	18883	18883	16644	16672	18976	20132	19921	19181	17563	16624	16624	16389	17535	18932
316 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
317 Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
318 Federal Diversity	-967	-1207	-1107	-1298	-1261	-1508	-1416	-1329	-1444	-1211	-1296	-1141	-1079	-1068
319 Exports	1211	1296	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1172
320 Canada	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
321 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
322 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
323 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
324 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
325 Total Regional Loads	33396	33241	30038	30737	34826	37396	37170	35629	32866	31269	31192	30120	31363	33508
Regional Resources														
326 Hydro	21826	20657	19754	19772	22154	22632	21297	20212	20406	18476	17378	21031	24959	23015
327 Regulated Hydro - Net	19795	18636	17865	18056	20554	21080	19898	18835	18714	16386	15264	18589	22438	20824
328 Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
329 Small Hydro - Net	367	365	284	201	168	161	156	169	207	324	325	445	463	443
330 Hon-Hydro Renewable	218	218	218	219	218	218	207	219	218	218	218	219	217	217
331 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
332 Solar - Net	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
333 Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
334 Thermal	13646	13646	13739	13863	14033	14117	14114	14061	13372	13863	12384	11945	12049	13650
335 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
336 Coal - Net	3391	3391	3390	3390	3390	3391	3392	3392	3390	3390	3390	3392	3390	3389
337 Natural Gas - Net	6410	6410	6469	6546	6696	6763	6769	6723	6675	6632	5632	6117	5971	6412
338 Petroleum - Net	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
339 Biofuel - Net	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7

Loads and Resources - Pacific Northwest Region

Operating Year: 2027 Water Year: 1937

2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
340 Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2612	2133	2367	2618	2611
341 Imports	967	967	812	750	996	1104	1075	1107	811	716	716	759	1044	1127
342 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
343 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
344 Inland Southwest	821	821	666	603	594	680	620	619	598	569	569	612	898	981
345 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
346 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
347 Reserves & Losses	-3998	-3925	-3778	-3813	-4085	-4204	-4110	-3995	-3878	-3742	-3579	-3780	-4090	-4086
348 Operating Reserves	-1892	-1858	-1739	-1773	-1956	-2056	-2007	-1926	-1833	-1746	-1668	-1761	-1931	-1936
349 Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
350 Transmission Losses	-1143	-1104	-1076	-1077	-1166	-1185	-1140	-1106	-1082	-1033	-949	-1056	-1196	-1187
351 Total Regional Resources	32659	31563	30745	30791	33317	33867	32581	31604	30930	29531	27117	30174	34180	33923
352 Total Surplus/Deficit	-737	-1677	708	54.8	-1509	-3529	-4589	-4026	-1936	-1738	-4075	54.1	2817	415

Loads and Resources - Pacific Northwest Region

Operating Year: 2028 Water Year: 1937

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
353 Retail Loads	32329	32084	29024	29815	33813	36402	36211	34232	31869	30295	30249	29019	30385	32575
354 Federal Agency	163	163	155	167	201	237	235	215	193	168	168	161	160	170
355 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
356 Cooperative	3611	3611	3358	3409	3769	4186	4107	3932	3643	3566	3566	3473	3571	3739
357 Municipality	3352	3352	3177	3607	4113	4477	4489	4295	3936	3628	3628	3136	3221	3425
358 Public Utility District	6178	6178	5765	6324	7333	8067	8084	7630	7101	6565	6565	6005	5883	6199
359 Investor-Owned Utility	18966	18966	16725	16757	19062	20217	20015	18860	17655	16715	16715	16475	17624	19021
360 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
361 Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
362 Federal Diversity	-969	-1215	-1111	-1271	-1320	-1513	-1416	-1398	-1457	-1218	-1263	-1187	-1077	-1016
363 Exports	1211	1296	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1172
364 Canada	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
365 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
366 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
367 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
368 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
369 Total Regional Loads	33541	33381	30175	30966	34955	37545	37354	35374	33012	31437	31400	30170	31535	33747
Regional Resources														
370 Hydro	21837	20648	19746	19790	22108	22611	21199	20152	20396	18453	17388	21306	25016	22990
371 Regulated Hydro - Net	19807	18627	17857	18074	20508	21059	19801	18776	18704	16363	15274	18864	22495	20798
372 Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
373 Small Hydro - Net	367	365	284	201	168	161	156	169	207	324	325	445	463	443
374 Hon-Hydro Renewable	218	218	218	219	218	218	207	219	218	218	218	219	217	217
375 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
376 Solar - Net	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
377 Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
378 Thermal	13646	13646	13739	13861	14031	14117	14114	14061	13372	12651	11644	13096	13203	13650
379 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
380 Coal - Net	3391	3391	3390	3390	3390	3391	3392	3392	3390	2650	2650	3392	3390	3389
381 Natural Gas - Net	6410	6410	6469	6544	6693	6763	6769	6723	6675	6632	5632	6117	5971	6412
382 Petroleum - Net	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
383 Biofuel - Net	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7

Loads and Resources - Pacific Northwest Region
Operating Year: 2028 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
³⁸⁴ Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2140	2133	2367	2618	2611
³⁸⁵ Imports	975	975	816	754	999	1108	1078	1111	815	719	719	764	1053	1138
³⁸⁶ Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
³⁸⁷ East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
³⁸⁸ Inland Southwest	829	829	670	607	597	684	623	623	602	572	572	617	907	992
³⁸⁹ Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
³⁹⁰ Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
³⁹¹ Reserves & Losses	-4003	-3929	-3782	-3820	-4087	-4207	-4110	-3986	-3882	-3691	-3560	-3839	-4137	-4090
³⁹² Operating Reserves	-1897	-1862	-1743	-1779	-1960	-2060	-2010	-1919	-1837	-1736	-1673	-1772	-1938	-1941
³⁹³ Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
³⁹⁴ Transmission Losses	-1143	-1104	-1075	-1078	-1164	-1184	-1136	-1104	-1082	-992	-924	-1104	-1237	-1186
³⁹⁵ Total Regional Resources	32674	31559	30738	30803	33270	33847	32488	31557	30920	28350	26409	31546	35352	33905
³⁹⁶ Total Surplus/Deficit	-867	-1822	563	-163	-1686	-3698	-4866	-3818	-2092	-3087	-4991	1376	3817	158

Loads and Resources - Pacific Northwest Region

Operating Year: 2029 Water Year: 1937

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
397 Retail Loads	32451	32133	29195	29952	33968	36599	36328	34813	31990	30415	30375	29143	30533	32707
398 Federal Agency	163	163	155	168	201	238	236	216	194	168	168	161	161	170
399 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
400 Cooperative	3629	3629	3376	3429	3790	4208	4128	3957	3664	3587	3587	3491	3589	3758
401 Municipality	3407	3407	3208	3614	4121	4485	4498	4302	3944	3635	3635	3143	3228	3433
402 Public Utility District	6206	6206	5791	6349	7360	8094	8110	7652	7118	6589	6589	6028	5907	6223
403 Investor-Owned Utility	19054	19054	16812	16848	19154	20309	20111	19373	17749	16807	16807	16563	17715	19112
404 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
405 Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
406 Federal Diversity	-1039	-1356	-1102	-1279	-1313	-1467	-1451	-1386	-1476	-1241	-1281	-1199	-1068	-1025
Exports														
407 Exports	1211	1296	1151	1151	1143	1143	1143	1143	1143	1143	1143	1143	1143	1164
408 Canada	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
409 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
410 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
411 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	0	0	0	0
412 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
413 Total Regional Loads	33662	33430	30346	31103	35110	37741	37471	35955	33132	31557	31518	30286	31675	33871
Regional Resources														
414 Hydro	21829	20660	19757	19775	22156	22635	21299	20215	20408	18478	17381	21034	24962	23018
415 Regulated Hydro - Net	19798	18639	17868	18059	20556	21082	19901	18839	18716	16389	15266	18591	22440	20826
416 Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
417 Small Hydro - Net	367	365	284	201	168	161	156	169	207	324	325	445	463	443
418 Hon-Hydro Renewable	218	218	218	219	218	218	207	219	218	218	218	219	217	217
419 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
420 Solar - Net	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
421 Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
422 Thermal	13646	13646	13739	13861	14031	14117	14114	14061	13372	13345	12384	11945	12049	13650
423 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
424 Coal - Net	3391	3391	3390	3390	3390	3391	3392	3392	3390	2872	3390	3392	3390	3389
425 Natural Gas - Net	6410	6410	6469	6544	6693	6763	6769	6723	6675	6632	5632	6117	5971	6412
426 Petroleum - Net	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
427 Biofuel - Net	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7

Loads and Resources - Pacific Northwest Region

Operating Year: 2029 Water Year: 1937

2018 White Book Report Date: **12/1/2018** *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
428 Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2612	2133	2367	2618	2611
429 Imports	984	984	820	758	1003	1111	1081	1114	819	723	723	768	1063	1148
430 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
431 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
432 Inland Southwest	838	838	674	611	601	687	626	626	606	576	576	621	917	1002
433 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
434 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
435 Reserves & Losses	-4008	-3936	-3787	-3823	-4095	-4213	-4120	-4006	-3887	-3734	-3589	-3787	-4099	-4096
436 Operating Reserves	-1902	-1868	-1749	-1783	-1966	-2065	-2018	-1938	-1842	-1756	-1677	-1768	-1940	-1946
437 Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
438 Transmission Losses	-1143	-1104	-1076	-1077	-1165	-1185	-1140	-1106	-1082	-1016	-949	-1056	-1196	-1187
439 Total Regional Resources	32669	31573	30747	30789	33314	33868	32580	31602	30931	29030	27117	30178	34191	33936
440 Total Surplus/Deficit	-993	-1857	401	-313	-1796	-3874	-4891	-4353	-2201	-2527	-4401	-108	2516	65.2

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Exhibit 18
BPA Sales to Preference and Legacy Customers

Monthly 120-Hour Capacity
Operating Year 2020 to 2029
Using 1937-Water Conditions

BPA Sales to Preference and Legacy Customers
Operating Year 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 DSI Obligation	87.0	87.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
2 Direct Service Industry	87.0	87.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
3 Load Following	4497	4497	4176	4341	5042	5723	5675	5352	4859	4566	4566	4224	4286	4549
4 Cooperative	2702	2702	2464	2383	2740	3148	3074	2903	2621	2538	2538	2469	2566	2726
5 Municipality	783	783	717	743	869	972	988	935	836	757	757	681	719	790
6 Public Utility District	878	878	867	1072	1259	1394	1410	1328	1235	1128	1128	938	866	889
7 Federal Entities	134	134	128	142	175	208	204	186	167	142	142	136	135	144
8 Slice Block	1222	1222	1169	1159	1356	1559	1553	1373	1311	1216	1216	1179	1155	1210
9 Municipality	283	283	284	268	317	385	381	352	354	313	313	266	256	281
10 Public Utility District	940	940	885	891	1039	1174	1171	1021	958	904	904	913	898	929
11 Slice Output from T1 System	2352	1898	1929	1787	2318	2338	1978	1862	1916	1539	1358	1967	2606	2186
12 Municipality	549	443	450	424	550	555	469	442	454	365	322	466	618	518
13 Public Utility District	1803	1455	1479	1363	1768	1784	1509	1421	1462	1174	1036	1500	1988	1667
14 Tier 1 Block	352	352	597	555	954	979	1039	921	926	442	442	166	21.2	368
15 Municipality	340	340	573	504	865	878	917	810	825	399	399	136	0	314
16 Public Utility District	12.0	12.0	24.0	50.7	89.5	101	122	111	101	42.4	42.4	29.7	21.2	53.4
17 Tier 2 - Short Term	0.97	0.97	0.97	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95
18 Municipality	0.97	0.97	0.97	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95
19 USBR Obligation	615	615	539	406	238	316	281	282	381	453	453	541	587	621
20 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
Total Power Sales Contracts														
21 Cooperative	2702	2702	2464	2383	2740	3148	3074	2903	2621	2538	2538	2469	2566	2726
22 Direct Service Industry	87.0	87.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
23 Federal Entities	134	134	128	142	175	208	204	186	167	142	142	136	135	144
24 Municipality	1955	1849	2025	1942	2603	2793	2758	2542	2472	1837	1794	1552	1596	1906
25 Public Utility District	3633	3285	3254	3377	4156	4453	4212	3881	3755	3248	3110	3381	3774	3540
26 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
27 Total Power Sales Contracts	9126	8671	8422	8263	9923	10931	10540	9806	9408	8230	8050	8091	8671	8948

BPA Sales to Preference and Legacy Customers
Operating Year 2021 Water Year: 1937
2018 White Book Report Date: 12/1/2018 Continued

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 DSI Obligation	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
2 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
3 Load Following	4426	4426	4100	4375	5079	5763	5715	5391	4885	4599	4599	4252	4316	4580
4 Cooperative	2617	2617	2376	2399	2756	3165	3090	2921	2634	2555	2555	2481	2580	2741
5 Municipality	783	783	717	747	873	977	992	938	840	760	760	684	722	793
6 Public Utility District	889	889	876	1079	1265	1401	1415	1333	1233	1134	1134	944	872	895
7 Federal Entities	138	138	132	150	185	220	218	198	178	150	150	143	143	152
8 Slice Block	1181	1181	1126	1191	1392	1598	1591	1459	1346	1250	1250	1211	1187	1243
9 Municipality	275	275	277	269	318	387	383	367	355	314	314	267	258	282
10 Public Utility District	907	907	850	922	1074	1211	1207	1092	990	936	936	944	929	960
11 Slice Output from T1 System	2173	1842	1744	1802	2348	2330	2047	1879	1927	1532	1311	1673	2391	2197
12 Municipality	515	437	414	427	557	553	485	446	457	363	311	397	567	521
13 Public Utility District	1658	1405	1330	1375	1791	1778	1561	1433	1470	1168	1000	1276	1824	1676
14 Tier 1 Block	417	417	692	556	991	946	1076	959	896	443	443	166	21.1	368
15 Municipality	373	373	633	506	903	847	956	846	797	400	400	137	0	315
16 Public Utility District	43.5	43.5	59.2	50.2	87.6	99.0	120	113	98.9	42.1	42.1	29.6	21.1	52.9
17 Tier 2 - Short Term	2.95	2.95	2.95	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08
18 Municipality	2.95	2.95	2.95	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08
19 USBR Obligation	615	615	539	406	238	316	281	282	381	453	453	541	587	621
20 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
Total Power Sales Contracts														
21 Cooperative	2617	2617	2376	2399	2756	3165	3090	2921	2634	2555	2555	2481	2580	2741
22 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
23 Federal Entities	138	138	132	150	185	220	218	198	178	150	150	143	143	152
24 Municipality	1949	1871	2044	1954	2656	2768	2821	2601	2453	1842	1790	1489	1551	1915
25 Public Utility District	3497	3244	3115	3425	4217	4489	4304	3971	3793	3280	3112	3194	3646	3583
26 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
27 Total Power Sales Contracts	8827	8496	8217	8346	10064	10969	10725	9985	9450	8292	8071	7859	8517	9024

BPA Sales to Preference and Legacy Customers
Operating Year 2022 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 DSI Obligation	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
2 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
3 Load Following	4457	4457	4127	4409	5115	5801	5782	5462	4955	4672	4672	4322	4387	4652
4 Cooperative	2632	2632	2389	2417	2774	3184	3109	2941	2653	2574	2574	2498	2597	2758
5 Municipality	786	786	719	748	874	979	1023	971	868	799	799	722	760	831
6 Public Utility District	894	894	880	1091	1277	1413	1427	1347	1253	1146	1146	956	884	907
7 Federal Entities	145	145	138	153	190	225	223	203	182	153	153	146	146	155
8 Slice Block	1214	1214	1158	1289	1498	1710	1701	1564	1447	1350	1350	1307	1279	1335
9 Municipality	276	276	278	273	322	392	388	371	360	318	318	271	261	286
10 Public Utility District	938	938	880	1016	1176	1318	1312	1193	1087	1032	1032	1036	1018	1049
11 Slice Output from T1 System	2146	1833	1733	1819	2350	2371	2015	1899	1952	1547	1335	1998	2610	2222
12 Municipality	509	435	411	431	557	562	478	450	463	367	317	474	619	527
13 Public Utility District	1637	1398	1322	1388	1793	1809	1537	1449	1489	1180	1019	1524	1991	1695
14 Tier 1 Block	417	417	693	576	956	947	1077	960	897	443	443	166	21.1	381
15 Municipality	374	374	635	526	869	849	958	848	798	401	401	137	0	328
16 Public Utility District	42.9	42.9	58.1	50.1	87.2	98.7	119	112	98.5	42.1	42.1	29.5	21.1	52.8
17 Tier 2 - Short Term	4.08	4.08	4.08	6.91	6.91	6.91	6.91	6.91	6.91	6.91	6.91	6.91	6.91	6.91
18 Municipality	4.08	4.08	4.08	6.91	6.91	6.91	6.91	6.91	6.91	6.91	6.91	6.91	6.91	6.91
19 USBR Obligation	615	615	539	406	238	316	281	282	381	453	453	541	587	621
20 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
Total Power Sales Contracts														
21 Cooperative	2632	2632	2389	2417	2774	3184	3109	2941	2653	2574	2574	2498	2597	2758
22 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
23 Federal Entities	145	145	138	153	190	225	223	203	182	153	153	146	146	155
24 Municipality	1949	1875	2047	1986	2630	2788	2854	2647	2496	1892	1842	1610	1647	1979
25 Public Utility District	3511	3272	3140	3545	4334	4638	4396	4101	3928	3400	3239	3546	3914	3704
26 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
27 Total Power Sales Contracts	8864	8551	8266	8519	10177	11164	10874	10186	9651	8485	8273	8353	8902	9230

BPA Sales to Preference and Legacy Customers
Operating Year 2023 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 DSI Obligation	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
2 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
3 Load Following	4530	4530	4200	4472	5182	5862	5811	5463	4985	4703	4703	4351	4415	4681
4 Cooperative	2650	2650	2407	2438	2795	3206	3127	2935	2671	2592	2592	2513	2612	2774
5 Municipality	825	825	760	780	910	1007	1024	971	868	801	801	724	762	834
6 Public Utility District	906	906	892	1102	1289	1426	1439	1359	1266	1159	1159	969	896	920
7 Federal Entities	149	149	141	152	188	223	221	198	180	152	152	145	145	154
8 Slice Block	1308	1308	1255	1313	1525	1740	1731	1592	1473	1374	1374	1330	1302	1360
9 Municipality	280	280	282	279	329	400	396	379	367	324	324	276	266	292
10 Public Utility District	1028	1028	973	1034	1196	1341	1335	1213	1106	1050	1050	1054	1036	1068
11 Slice Output from T1 System	2166	1815	1748	1806	2353	2340	2056	1887	1935	1538	1317	1674	2367	2205
12 Municipality	514	430	415	428	558	555	488	448	459	365	312	397	561	523
13 Public Utility District	1652	1384	1334	1378	1795	1785	1568	1440	1476	1173	1005	1277	1805	1682
14 Tier 1 Block	404	404	694	573	941	934	1059	942	881	458	458	161	21.1	377
15 Municipality	361	361	636	526	869	849	958	848	798	417	417	132	0	328
16 Public Utility District	42.8	42.8	57.9	46.8	72.4	85.6	101	94.1	83.1	41.1	41.1	29.5	21.1	49.1
17 Tier 2 - Short Term	6.91	6.91	6.91	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01
18 Municipality	6.91	6.91	6.91	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01
19 USBR Obligation	615	615	539	406	238	316	281	282	381	453	453	541	587	621
20 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
Total Power Sales Contracts														
21 Cooperative	2650	2650	2407	2438	2795	3206	3127	2935	2671	2592	2592	2513	2612	2774
22 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
23 Federal Entities	149	149	141	152	188	223	221	198	180	152	152	145	145	154
24 Municipality	1987	1903	2099	2021	2674	2818	2873	2654	2501	1915	1863	1537	1598	1985
25 Public Utility District	3629	3361	3257	3561	4353	4637	4443	4106	3931	3423	3254	3330	3758	3719
26 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
27 Total Power Sales Contracts	9041	8690	8455	8590	10260	11213	10957	10187	9676	8547	8326	8077	8711	9264

BPA Sales to Preference and Legacy Customers
Operating Year 2024 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 DSI Obligation	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
2 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
3 Load Following	4560	4560	4228	4499	5210	5893	5839	5518	5013	4727	4727	4373	4438	4706
4 Cooperative	2665	2665	2421	2451	2807	3220	3140	2968	2683	2603	2603	2522	2621	2785
5 Municipality	828	828	762	783	913	1011	1028	977	871	801	801	725	763	835
6 Public Utility District	919	919	904	1114	1301	1438	1450	1372	1278	1171	1171	981	908	932
7 Federal Entities	148	148	140	152	189	224	222	202	181	153	153	146	145	155
8 Slice Block	1331	1331	1277	1286	1494	1705	1696	1506	1443	1346	1346	1303	1276	1333
9 Municipality	285	285	287	274	323	392	389	359	360	319	319	271	261	287
10 Public Utility District	1046	1046	990	1012	1171	1312	1307	1147	1083	1028	1028	1032	1014	1046
11 Slice Output from T1 System	2142	1810	1741	1826	2357	2378	2018	1902	1955	1552	1340	1998	2612	2224
12 Municipality	508	429	413	433	559	564	478	451	464	368	318	474	620	527
13 Public Utility District	1634	1381	1328	1393	1798	1814	1539	1451	1491	1184	1022	1524	1993	1697
14 Tier 1 Block	400	400	686	568	920	950	996	880	890	441	441	161	21.1	360
15 Municipality	361	361	636	526	869	883	921	814	829	401	401	132	0	316
16 Public Utility District	39.0	39.0	50.1	42.1	50.9	66.8	74.4	65.8	60.9	39.6	39.6	29.6	21.1	43.8
17 Tier 2 - Short Term	8.01	8.01	8.01	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39
18 Municipality	8.01	8.01	8.01	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39
19 USBR Obligation	615	615	539	406	238	316	281	282	381	453	453	541	587	621
20 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
Total Power Sales Contracts														
21 Cooperative	2665	2665	2421	2451	2807	3220	3140	2968	2683	2603	2603	2522	2621	2785
22 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
23 Federal Entities	148	148	140	152	189	224	222	202	181	153	153	146	145	155
24 Municipality	1991	1912	2106	2024	2673	2858	2825	2610	2533	1897	1847	1610	1653	1973
25 Public Utility District	3638	3385	3272	3561	4322	4632	4370	4035	3912	3422	3260	3568	3936	3719
26 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
27 Total Power Sales Contracts	9068	8736	8491	8606	10240	11262	10849	10109	9702	8540	8328	8397	8954	9264

BPA Sales to Preference and Legacy Customers
Operating Year 2025 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 DSI Obligation	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
2 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
3 Load Following	4583	4583	4250	4531	5243	5927	5872	5553	5037	4758	4758	4402	4466	4736
4 Cooperative	2675	2675	2430	2465	2822	3235	3156	2987	2698	2618	2618	2534	2634	2798
5 Municipality	829	829	763	785	916	1014	1031	979	874	804	804	728	767	839
6 Public Utility District	931	931	916	1127	1314	1452	1461	1383	1282	1182	1182	993	919	944
7 Federal Entities	148	148	141	154	190	226	224	204	183	154	154	147	147	156
8 Slice Block	1305	1305	1251	1308	1520	1734	1725	1587	1468	1370	1370	1326	1298	1355
9 Municipality	281	281	282	279	328	399	396	378	366	324	324	276	266	292
10 Public Utility District	1024	1024	969	1030	1192	1335	1330	1208	1101	1045	1045	1050	1032	1064
11 Slice Output from T1 System	2164	1812	1746	1804	2350	2337	2053	1885	1933	1537	1316	1669	2364	2202
12 Municipality	513	430	414	428	557	554	487	447	458	365	312	396	561	522
13 Public Utility District	1651	1382	1332	1376	1793	1783	1566	1438	1474	1173	1004	1273	1803	1680
14 Tier 1 Block	395	395	702	547	914	944	989	910	884	440	440	161	21.0	358
15 Municipality	361	361	663	506	867	880	919	846	827	400	400	131	0	315
16 Public Utility District	33.6	33.6	38.9	41.3	47.6	63.8	70.2	64.1	57.4	39.3	39.3	29.5	21.0	42.9
17 Tier 2 - Short Term	8.39	8.39	8.39	9.56	9.56	9.56	9.56	9.56	9.56	9.56	9.56	9.56	9.56	9.56
18 Municipality	8.39	8.39	8.39	9.56	9.56	9.56	9.56	9.56	9.56	9.56	9.56	9.56	9.56	9.56
19 USBR Obligation	615	615	539	406	238	316	281	282	381	453	453	541	587	621
20 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
Total Power Sales Contracts														
21 Cooperative	2675	2675	2430	2465	2822	3235	3156	2987	2698	2618	2618	2534	2634	2798
22 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
23 Federal Entities	148	148	141	154	190	226	224	204	183	154	154	147	147	156
24 Municipality	1992	1909	2130	2006	2678	2857	2842	2660	2535	1903	1850	1540	1603	1977
25 Public Utility District	3640	3371	3256	3574	4346	4634	4427	4093	3915	3440	3271	3345	3775	3730
26 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
27 Total Power Sales Contracts	9082	8730	8508	8617	10286	11280	10941	10239	9724	8580	8358	8119	8756	9293

BPA Sales to Preference and Legacy Customers
Operating Year 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 DSI Obligation	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
2 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
3 Load Following	4613	4613	4277	4558	5271	5957	5901	5583	5072	4784	4784	4425	4489	4761
4 Cooperative	2688	2688	2442	2479	2836	3250	3171	3002	2712	2632	2632	2545	2644	2809
5 Municipality	833	833	766	787	919	1017	1034	981	876	805	805	729	768	841
6 Public Utility District	942	942	927	1138	1326	1464	1472	1396	1301	1193	1193	1004	930	954
7 Federal Entities	149	149	142	154	191	227	225	205	183	154	154	147	147	156
8 Slice Block	1327	1327	1273	1280	1487	1697	1688	1553	1436	1340	1340	1297	1270	1326
9 Municipality	286	286	287	273	321	391	388	371	359	317	317	270	260	286
10 Public Utility District	1042	1042	986	1007	1166	1306	1301	1182	1077	1023	1023	1027	1009	1041
11 Slice Output from T1 System	2139	1808	1738	1823	2354	2371	2010	1894	1947	1544	1333	1993	2605	2217
12 Municipality	507	429	412	432	558	562	477	449	462	366	316	473	618	526
13 Public Utility District	1632	1379	1326	1390	1796	1809	1534	1445	1485	1178	1016	1520	1987	1691
14 Tier 1 Block	407	407	672	546	949	909	987	908	883	439	439	166	21.0	357
15 Municipality	374	374	635	505	901	845	917	844	825	400	400	136	0	314
16 Public Utility District	32.7	32.7	37.1	41.2	47.5	63.6	70.1	64.0	57.3	39.2	39.2	29.4	21.0	42.8
17 Tier 2 - Short Term	9.56	9.56	9.56	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
18 Municipality	9.56	9.56	9.56	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
19 USBR Obligation	615	615	539	406	238	316	281	282	381	453	453	541	587	621
20 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
Total Power Sales Contracts														
21 Cooperative	2688	2688	2442	2479	2836	3250	3171	3002	2712	2632	2632	2545	2644	2809
22 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
23 Federal Entities	149	149	142	154	191	227	225	205	183	154	154	147	147	156
24 Municipality	2009	1931	2110	2007	2710	2826	2826	2656	2533	1899	1849	1619	1657	1977
25 Public Utility District	3648	3395	3276	3577	4335	4642	4377	4087	3921	3433	3272	3581	3947	3729
26 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
27 Total Power Sales Contracts	9122	8791	8520	8636	10322	11272	10890	10244	9742	8583	8372	8444	8994	9304

BPA Sales to Preference and Legacy Customers
Operating Year 2027 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 DSI Obligation	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
2 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
3 Load Following	4637	4637	4299	4585	5300	5988	5932	5584	5100	4811	4811	4450	4514	4787
4 Cooperative	2699	2699	2452	2494	2851	3265	3186	2992	2726	2645	2645	2556	2655	2821
5 Municipality	835	835	768	790	922	1021	1038	984	880	808	808	732	771	844
6 Public Utility District	953	953	937	1147	1335	1474	1482	1404	1310	1203	1203	1013	939	964
7 Federal Entities	150	150	142	155	192	228	226	203	184	155	155	148	148	157
8 Slice Block	1299	1299	1246	1306	1517	1731	1722	1584	1465	1367	1367	1323	1295	1353
9 Municipality	280	280	281	279	328	399	396	378	366	324	324	275	266	292
10 Public Utility District	1019	1019	964	1028	1189	1332	1327	1206	1099	1043	1043	1048	1029	1061
11 Slice Output from T1 System	2161	1809	1743	1801	2348	2334	2050	1882	1930	1534	1313	1668	2361	2199
12 Municipality	512	429	413	427	557	554	486	446	458	364	311	396	560	522
13 Public Utility District	1648	1380	1329	1374	1791	1781	1564	1436	1472	1171	1002	1273	1801	1678
14 Tier 1 Block	406	406	670	546	949	909	1024	909	852	439	439	166	21.0	357
15 Municipality	373	373	633	505	901	845	954	844	795	400	400	136	0	314
16 Public Utility District	32.6	32.6	37.0	41.2	47.8	63.9	70.4	64.3	57.6	39.3	39.3	29.4	21.0	42.9
17 Tier 2 - Short Term	10.9	10.9	10.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
18 Municipality	10.9	10.9	10.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
19 USBR Obligation	615	615	539	406	238	316	281	282	381	453	453	541	587	621
20 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
Total Power Sales Contracts														
21 Cooperative	2699	2699	2452	2494	2851	3265	3186	2992	2726	2645	2645	2556	2655	2821
22 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
23 Federal Entities	150	150	142	155	192	228	226	203	184	155	155	148	148	157
24 Municipality	2011	1928	2106	2012	2720	2830	2886	2665	2510	1907	1855	1552	1609	1984
25 Public Utility District	3653	3385	3268	3589	4363	4650	4443	4110	3939	3456	3287	3363	3790	3746
26 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
27 Total Power Sales Contracts	9140	8788	8520	8668	10375	11302	11033	10264	9753	8629	8407	8172	8801	9341

BPA Sales to Preference and Legacy Customers
Operating Year 2028 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 DSI Obligation	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
2 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
3 Load Following	4663	4663	4323	4612	5328	6017	5960	5638	5126	4836	4836	4472	4535	4808
4 Cooperative	2711	2711	2463	2506	2863	3278	3200	3026	2739	2658	2658	2566	2665	2831
5 Municipality	838	838	771	793	926	1025	1042	991	883	811	811	736	775	848
6 Public Utility District	962	962	946	1158	1346	1485	1491	1415	1320	1212	1212	1022	947	971
7 Federal Entities	151	151	143	155	193	229	227	207	185	156	156	149	148	158
8 Slice Block	1325	1325	1271	1282	1489	1699	1691	1501	1438	1342	1342	1299	1271	1328
9 Municipality	286	286	287	274	322	392	389	359	359	318	318	270	261	287
10 Public Utility District	1039	1039	984	1008	1167	1307	1302	1143	1078	1024	1024	1028	1010	1042
11 Slice Output from T1 System	2136	1805	1735	1820	2351	2372	2012	1896	1948	1546	1334	1994	2606	2218
12 Municipality	507	428	411	432	558	563	477	450	462	367	316	473	618	526
13 Public Utility District	1630	1377	1323	1388	1794	1810	1535	1446	1486	1179	1017	1521	1988	1692
14 Tier 1 Block	406	406	671	566	914	910	1025	874	853	455	455	161	21.0	370
15 Municipality	373	373	633	524	866	846	954	811	795	416	416	131	0	327
16 Public Utility District	32.7	32.7	37.2	41.4	48.3	64.4	71.1	62.7	58.2	39.3	39.3	29.4	21.0	43.0
17 Tier 2 - Short Term	12.0	12.0	12.0	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
18 Municipality	12.0	12.0	12.0	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
19 USBR Obligation	615	615	539	406	238	316	281	282	381	453	453	541	587	621
20 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
Total Power Sales Contracts														
21 Cooperative	2711	2711	2463	2506	2863	3278	3200	3026	2739	2658	2658	2566	2665	2831
22 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
23 Federal Entities	151	151	143	155	193	229	227	207	185	156	156	149	148	158
24 Municipality	2016	1937	2115	2036	2685	2838	2876	2624	2514	1925	1875	1623	1667	2001
25 Public Utility District	3664	3411	3290	3596	4355	4667	4399	4066	3942	3454	3292	3601	3966	3748
26 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
27 Total Power Sales Contracts	9168	8837	8562	8712	10346	11340	10994	10217	9773	8657	8445	8491	9045	9370

BPA Sales to Preference and Legacy Customers
Operating Year 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 DSI Obligation	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
2 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
3 Load Following	4684	4684	4343	4635	5352	6043	5987	5668	5144	4860	4860	4493	4556	4831
4 Cooperative	2721	2721	2473	2519	2877	3293	3217	3048	2754	2673	2673	2579	2678	2844
5 Municipality	842	842	775	797	930	1030	1047	995	887	815	815	739	779	853
6 Public Utility District	969	969	952	1164	1352	1491	1496	1419	1317	1216	1216	1026	951	975
7 Federal Entities	151	151	143	156	193	229	227	207	185	156	156	149	149	158
8 Slice Block	1301	1301	1247	1299	1508	1721	1712	1575	1457	1360	1360	1315	1288	1346
9 Municipality	281	281	282	277	326	396	394	376	364	322	322	274	264	290
10 Public Utility District	1020	1020	966	1022	1182	1324	1319	1199	1093	1038	1038	1042	1024	1056
11 Slice Output from T1 System	2162	1810	1744	1802	2349	2335	2052	1883	1931	1535	1314	1669	2362	2200
12 Municipality	513	429	414	427	557	554	487	447	458	364	312	396	560	522
13 Public Utility District	1649	1381	1330	1374	1792	1781	1565	1437	1473	1171	1003	1273	1802	1678
14 Tier 1 Block	393	393	671	564	911	940	985	906	850	454	454	160	21.0	369
15 Municipality	360	360	634	523	863	877	915	843	793	415	415	131	0	326
16 Public Utility District	32.9	32.9	37.5	41.1	47.4	63.5	69.9	63.8	57.2	39.2	39.2	29.4	21.0	42.7
17 Tier 2 - Short Term	13.4	13.4	13.4	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
18 Municipality	13.4	13.4	13.4	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
19 USBR Obligation	615	615	539	406	238	316	281	282	381	453	453	541	587	621
20 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
Total Power Sales Contracts														
21 Cooperative	2721	2721	2473	2519	2877	3293	3217	3048	2754	2673	2673	2579	2678	2844
22 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
23 Federal Entities	151	151	143	156	193	229	227	207	185	156	156	149	149	158
24 Municipality	2009	1925	2117	2039	2691	2872	2857	2675	2517	1930	1877	1554	1618	2005
25 Public Utility District	3671	3403	3285	3601	4373	4660	4450	4118	3940	3465	3296	3370	3797	3752
26 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
27 Total Power Sales Contracts	9179	8827	8570	8733	10384	11382	11043	10342	9790	8689	8468	8205	8841	9393

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Exhibit 19
Regional Regulated Hydro

Monthly 120-Hour Capacity
Operating Year 2020 to 2029
Using 1937-Water Conditions

Regional: Regulated Hydro
Operating Year 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	39.0	39.0	38.3	37.1	21.5	19.5	21.8	23.3	23.4	25.3	30.2	27.9	36.0	33.3
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	28.0	28.0	30.3	0	46.6	51.4	48.7
3 Bonneville	920	920	972	955	960	923	980	963	955	950	950	939	758	933
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	909	676
5 Box Canyon Dam	76.9	77.0	76.4	72.9	75.8	75.7	75.3	76.6	76.7	96.9	98.0	89.4	86.6	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	67.3	67.1	66.4	65.9	65.4	64.3	63.8	63.6	4.00	4.00	66.5	68.1
9 Chief Joseph	2385	2385	1846	2146	2261	2263	2221	2273	2141	2223	2223	2306	2318	2318
10 Cushman 1	36.4	30.5	26.9	9.89	8.38	17.2	17.2	15.2	17.1	21.3	23.9	28.3	34.4	32.6
11 Cushman 2	88.0	88.0	0.33	0	0	4.94	88.0	76.1	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	307	191	426	405	384	436	435	440	445	447	349	348
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	33.2
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	4583	4495	5054	4814	4086	3679	4198	4910	5064	4436	4313	4358	4293	4760
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	195	195	193	191	197	371	330	190	275	318	238	363	194	195
19 Ice Harbor	534	534	529	469	508	524	508	578	560	554	541	596	635	493
20 John Day	2226	2226	2004	1866	2233	2285	2268	2248	2259	2112	2112	2234	2285	2156
21 Kerr	179	179	179	178	177	175	171	166	165	165	165	172	178	180
22 La Grande	62.9	63.3	63.6	63.3	63.6	63.6	63.0	63.3	63.0	62.9	63.6	63.2	63.0	62.9
23 Libby	351	350	517	593	589	583	484	526	528	479	479	459	464	364
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	346	346	662	763	767	821	873	846	854	764	740	848	843	823
26 Long Lake	72.0	72.0	72.2	72.0	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	64.2	57.3	0	0	0	0	63.5	49.7	49.7	-38.6	-40.3	60.7	69.4	70.6
28 Lower Granite	604	693	811	775	770	780	806	846	857	776	756	867	756	750
29 Lower Monumental	269	269	451	701	763	868	878	878	853	808	831	860	780	708
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	125	125
31 McNary	1031	1031	978	952	979	1033	1062	1061	1055	1035	1035	1049	988	1053
32 Merwin	147	146	140	130	113	128	128	113	113	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	149	157	196	236	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	330	438	440	428	440	432	432	432	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

Regional: Regulated Hydro
Operating Year 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.34	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.9	10.5	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	557	565	556	530	515	542	572	581	593	593	593	565	547	562
46 Rocky Reach	1308	1306	1161	1124	1199	1244	1204	1196	1196	1196	1304	1307	1312	1307
47 Ross	448	395	213	343	295	398	355	278	183	187	189	197	366	445
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	135	206	0.21	168	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	39.3	64.0	0.09	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1642	1642	1672	1578	1607	1725	1697	1858	1860	1844	1844	1827	1752	1808
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.1	79.6	85.2
53 Upper Baker	103	103	103	94.4	0	85.7	83.3	83.0	48.6	41.3	0	101	103	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	847	841	836	836	889	843	836	836	836	836	836	843	856	846
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	105	133	130	116	102	94.0	94.0	106	106	0	133	132
Total Regulated Hydro														
58 Federal Entities	15573	15572	16035	16032	16166	16280	16710	17636	17720	16766	16537	17181	16450	16742
59 Investor Owned Utilities	4118	4043	3780	3926	3754	4046	4200	4075	4120	3972	3797	4244	4381	4404
60 Marketer	1190	1167	1080	1051	1082	1124	1060	1060	1055	1032	1073	1061	1078	1092
61 Municipality	2297	2260	2110	2241	2137	2098	2196	1956	1784	1856	1829	1881	2431	2357
62 Public Utility District	2270	2268	2143	2194	2174	2225	2304	2294	2218	2232	2211	2308	2377	2352
63 Total Regulated Hydro	25449	25310	25147	25443	25312	25773	26470	27020	26897	25858	25448	26675	26717	26947

Regional: Regulated Hydro
Operating Year 2021 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	39.0	39.0	36.8	37.1	25.0	22.3	21.8	23.3	23.4	25.3	30.2	35.9	46.0	46.9
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	28.0	28.0	30.3	0	46.6	51.4	48.7
3 Bonneville	905	905	929	913	907	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	909	676
5 Box Canyon Dam	76.9	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	98.0	89.4	86.6	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	48.3	67.1	66.4	65.9	65.4	64.3	63.8	63.6	4.00	4.00	66.5	68.1
9 Chief Joseph	2306	2306	2144	2236	2283	2261	2248	2289	2108	2213	2213	2328	2318	2328
10 Cushman 1	21.4	16.8	13.3	9.89	8.38	17.2	17.2	15.2	17.1	21.3	23.9	28.3	34.4	32.6
11 Cushman 2	88.0	88.0	0	0	0	4.94	88.0	76.1	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	348	347	398	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	33.2
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	4798	4722	3871	3750	4042	4015	4040	4607	4567	4167	4051	4259	4849	5128
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	195	195	193	195	343	371	242	179	175	159	119	181	260	195
19 Ice Harbor	633	633	614	627	610	672	596	681	662	654	639	629	635	515
20 John Day	2187	2187	1865	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	171	166	165	165	165	172	178	180
22 La Grande	62.9	63.3	63.6	63.3	63.6	63.6	63.0	63.3	63.0	62.9	63.6	63.2	63.0	62.9
23 Libby	400	400	497	517	567	583	502	530	470	416	415	459	464	472
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	654	654	806	771	840	807	873	864	856	766	742	848	847	769
26 Long Lake	72.0	72.0	72.0	72.0	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	0	0	0	0	63.5	49.7	49.7	-38.6	-40.3	60.7	69.4	70.6
28 Lower Granite	633	633	767	735	740	857	796	856	857	776	756	867	756	778
29 Lower Monumental	650	650	705	701	771	870	878	878	853	808	831	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	125	125
31 McNary	1045	1045	991	930	979	973	1045	981	1009	1026	1026	1050	981	971
32 Merwin	147	146	147	130	113	128	128	113	113	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	149	157	196	236	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	339	438	440	428	440	432	432	432	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

Regional: Regulated Hydro
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.9	10.5	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	560	567	557	530	515	542	572	581	593	593	593	565	547	562
46 Rocky Reach	1308	1306	1161	1124	1199	1244	1204	1196	1196	1196	1304	1307	1312	1307
47 Ross	0	331	392	343	295	398	355	278	183	187	189	197	366	445
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	261	206	0.21	168	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	63.9	64.0	0.09	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1780	1780	1652	1656	1725	1784	1880	1752	1717	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.1	79.6	85.2
53 Upper Baker	103	103	103	94.4	0	85.7	83.3	83.0	48.6	41.3	0	101	103	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	846	840	836	836	889	843	836	836	836	836	836	843	856	846
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	129	133	130	116	102	94.0	94.0	106	106	0	133	132
Total Regulated Hydro														
58 Federal Entities	16573	16495	15469	15525	16556	16697	16671	17242	16848	16130	15946	16760	17195	17072
59 Investor Owned Utilities	4113	4043	3929	3926	3754	4046	4200	4075	4120	3972	3797	4244	4381	4404
60 Marketer	1098	1074	994	968	996	1035	1060	1060	1055	1032	1073	1061	1078	1092
61 Municipality	1834	2182	2275	2241	2137	2098	2196	1956	1784	1856	1829	1881	2431	2357
62 Public Utility District	2363	2361	2249	2276	2259	2314	2304	2294	2218	2232	2211	2308	2377	2352
63 Total Regulated Hydro	25981	26155	24916	24937	25702	26190	26431	26627	26025	25221	24857	26253	27461	27277

Regional: Regulated Hydro
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	39.0	39.0	37.4	37.1	20.6	20.2	21.8	23.3	23.4	25.3	30.2	35.9	46.0	46.4
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	28.0	28.0	30.3	0	46.6	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	909	676
5 Box Canyon Dam	76.9	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	98.0	89.4	86.6	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	48.3	67.1	66.4	65.9	65.4	64.3	63.8	63.6	4.00	4.00	66.5	68.1
9 Chief Joseph	2316	2316	2034	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	21.4	16.8	13.3	9.89	8.38	17.2	17.2	15.2	17.1	21.3	23.9	28.3	34.4	32.6
11 Cushman 2	88.0	88.0	0	0	0	4.94	88.0	76.1	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	33.2
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5028	4947	4404	3750	4042	4015	4040	4607	4567	4167	4051	4259	4849	5128
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	195	195	193	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	565	565	672	627	610	672	596	681	662	654	639	629	635	515
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	171	166	165	165	165	172	178	180
22 La Grande	62.9	63.3	63.6	63.3	63.6	63.6	63.0	63.3	63.0	62.9	63.6	63.2	63.0	62.9
23 Libby	372	372	462	517	567	583	502	530	470	416	415	459	464	472
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	787	771	840	807	873	864	856	766	742	848	847	769
26 Long Lake	72.0	72.0	72.0	72.0	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	0	0	0	0	63.5	49.7	49.7	-38.6	-40.3	60.7	69.4	70.6
28 Lower Granite	580	580	718	735	740	857	796	856	857	776	756	867	756	778
29 Lower Monumental	645	645	690	701	771	870	878	878	853	808	831	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	125	125
31 McNary	935	935	983	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	147	130	113	128	128	113	113	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	149	157	196	236	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	339	438	440	428	440	432	432	432	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

Regional: Regulated Hydro
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereg	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.9	10.5	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	560	567	557	530	515	542	572	581	593	593	593	565	547	562
46 Rocky Reach	1308	1306	1161	1124	1199	1244	1204	1196	1196	1196	1304	1307	1312	1307
47 Ross	0	331	392	343	295	398	355	278	183	187	189	197	366	445
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	261	206	0.21	168	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	63.9	64.0	0.09	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1717	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.1	79.6	85.2
53 Upper Baker	103	103	103	94.4	0	85.7	83.3	83.0	48.6	41.3	0	101	103	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	846	840	836	836	889	843	836	836	836	836	836	843	856	846
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	129	133	130	116	102	94.0	94.0	106	106	0	133	132
Total Regulated Hydro														
58 Federal Entities	16630	16547	16326	15420	16256	16500	16463	17148	16727	16020	15802	16595	17005	16996
59 Investor Owned Utilities	4113	4043	3929	3926	3754	4046	4200	4075	4120	3972	3797	4244	4381	4404
60 Marketer	1098	1074	994	968	996	1035	971	971	965	943	978	967	985	998
61 Municipality	1834	2182	2275	2241	2137	2098	2196	1956	1784	1856	1829	1881	2431	2357
62 Public Utility District	2363	2361	2249	2276	2259	2314	2393	2383	2307	2321	2306	2401	2470	2446
63 Total Regulated Hydro	26038	26208	25773	24832	25402	25993	26223	26532	25904	25112	24712	26088	27272	27201

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	31.9	31.9	21.3	37.1	25.0	22.3	21.8	23.3	23.4	25.3	30.2	35.9	46.0	46.9
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	28.0	28.0	30.3	0	46.6	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	909	676
5 Box Canyon Dam	76.9	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	98.0	89.4	86.6	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	48.3	67.1	66.4	65.9	65.4	64.3	63.8	63.6	4.00	4.00	66.5	68.1
9 Chief Joseph	2222	2222	1940	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	21.4	16.8	13.3	9.89	8.38	17.2	17.2	15.2	17.1	21.3	23.9	28.3	34.4	32.6
11 Cushman 2	88.0	88.0	0	0	0	4.94	88.0	76.1	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	33.2
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5028	4947	4404	3750	4042	4015	4040	4607	4567	4167	4051	4259	4849	5128
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	293	292	290	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	565	565	672	627	610	672	596	681	662	654	639	629	635	515
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	171	166	165	165	165	172	178	180
22 La Grande	62.9	63.3	63.6	63.3	63.6	63.6	63.0	63.3	63.0	62.9	63.6	63.2	63.0	62.9
23 Libby	372	372	462	517	567	583	502	530	470	416	415	459	464	472
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	787	771	840	807	873	864	856	766	742	848	847	769
26 Long Lake	72.0	72.0	72.0	72.0	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	0	0	0	0	63.5	49.7	49.7	-38.6	-40.3	60.7	69.4	70.6
28 Lower Granite	580	580	718	735	740	857	796	856	857	776	756	867	756	778
29 Lower Monumental	645	645	690	701	771	870	878	878	853	808	831	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	125	125
31 McNary	884	884	830	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	147	130	113	128	128	113	113	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	149	157	196	236	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	339	438	440	428	440	432	432	432	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

Regional: Regulated Hydro
Operating Year 2023 Water Year: 1937
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.9	10.5	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	560	567	557	530	515	542	572	581	593	593	593	565	547	562
46 Rocky Reach	1308	1306	1161	1124	1199	1244	1204	1196	1196	1196	1304	1307	1312	1307
47 Ross	0	331	392	343	295	398	355	278	183	187	189	197	366	445
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	261	206	0.21	168	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	63.9	64.0	0.09	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1717	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.1	79.6	85.2
53 Upper Baker	103	103	103	94.4	0	85.7	83.3	83.0	48.6	41.3	0	101	103	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	846	840	836	836	889	843	836	836	836	836	836	843	856	846
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	129	133	130	116	102	94.0	94.0	106	106	0	133	132
Total Regulated Hydro														
58 Federal Entities	16576	16493	16160	15420	16260	16502	16463	17148	16727	16020	15802	16595	17005	16997
59 Investor Owned Utilities	4113	4043	3929	3926	3754	4046	4200	4075	4120	3972	3797	4244	4381	4404
60 Marketer	1004	980	908	885	911	946	793	794	786	764	789	780	799	811
61 Municipality	1834	2182	2275	2241	2137	2098	2196	1956	1784	1856	1829	1881	2431	2357
62 Public Utility District	2456	2455	2335	2359	2345	2403	2571	2560	2486	2500	2495	2588	2656	2633
63 Total Regulated Hydro	25984	26153	25607	24832	25406	25995	26223	26532	25904	25112	24712	26088	27272	27201

Regional: Regulated Hydro
Operating Year 2024 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	39.0	39.0	37.4	37.1	25.0	22.3	21.8	23.3	23.4	25.3	30.2	35.9	46.0	46.9
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	28.0	28.0	30.3	0	46.6	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	909	676
5 Box Canyon Dam	76.9	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	98.0	89.4	86.6	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	48.3	67.1	66.4	65.9	65.4	64.3	63.8	63.6	4.00	4.00	66.5	68.1
9 Chief Joseph	2222	2222	1940	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	21.4	16.8	13.3	9.89	8.38	17.2	17.2	15.2	17.1	21.3	23.9	28.3	34.4	32.6
11 Cushman 2	88.0	88.0	0	0	0	4.94	88.0	76.1	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	33.2
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5028	4947	4404	3750	4042	4015	4040	4607	4567	4167	4051	4259	4849	5128
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	293	292	290	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	565	565	672	627	610	672	596	681	662	654	639	629	635	515
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	171	166	165	165	165	172	178	180
22 La Grande	62.9	63.3	63.6	63.3	63.6	63.6	63.0	63.3	63.0	62.9	63.6	63.2	63.0	62.9
23 Libby	372	372	462	517	567	583	502	530	470	416	415	459	464	472
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	787	771	840	807	873	864	856	766	742	848	847	769
26 Long Lake	72.0	72.0	72.0	72.0	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	0	0	0	0	63.5	49.7	49.7	-38.6	-40.3	60.7	69.4	70.6
28 Lower Granite	580	580	718	735	740	857	796	856	857	776	756	867	756	778
29 Lower Monumental	645	645	690	701	771	870	878	878	853	808	831	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	125	125
31 McNary	884	884	830	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	147	130	113	128	128	113	113	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	149	157	196	236	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	339	438	440	428	440	432	432	432	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

Regional: Regulated Hydro
Operating Year 2024 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.9	10.5	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	560	567	557	530	515	542	572	581	593	593	593	565	547	562
46 Rocky Reach	1308	1306	1161	1124	1199	1244	1204	1196	1196	1196	1304	1307	1312	1307
47 Ross	0	331	392	343	295	398	355	278	183	187	189	197	366	445
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	261	206	0.21	168	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	63.9	64.0	0.09	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1717	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.1	79.6	85.2
53 Upper Baker	103	103	103	94.4	0	85.7	83.3	83.0	48.6	41.3	0	101	103	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	846	840	836	836	889	843	836	836	836	836	836	843	856	846
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	129	133	130	116	102	94.0	94.0	106	106	0	133	132
Total Regulated Hydro														
58 Federal Entities	16583	16500	16176	15420	16260	16502	16463	17148	16727	16020	15802	16595	17005	16997
59 Investor Owned Utilities	4113	4043	3929	3926	3754	4046	4200	4075	4120	3972	3797	4244	4381	4404
60 Marketer	818	793	736	720	739	767	793	794	786	764	789	780	799	811
61 Municipality	1834	2182	2275	2241	2137	2098	2196	1956	1784	1856	1829	1881	2431	2357
62 Public Utility District	2643	2642	2506	2524	2516	2582	2571	2560	2486	2500	2495	2588	2656	2633
63 Total Regulated Hydro	25991	26160	25623	24832	25406	25995	26223	26532	25904	25112	24712	26088	27272	27201

Regional: Regulated Hydro
Operating Year 2025 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	39.0	39.0	37.4	37.1	25.0	22.3	21.8	23.3	23.4	25.3	30.2	35.9	46.0	46.9
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	28.0	28.0	30.3	0	46.6	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	909	676
5 Box Canyon Dam	76.9	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	98.0	89.4	86.6	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	48.3	67.1	66.4	65.9	65.4	64.3	63.8	63.6	4.00	4.00	66.5	68.1
9 Chief Joseph	2222	2222	1940	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	21.4	16.8	13.3	9.89	8.38	17.2	17.2	15.2	17.1	21.3	23.9	28.3	34.4	32.6
11 Cushman 2	88.0	88.0	0	0	0	4.94	88.0	76.1	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	33.2
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5028	4947	4404	3750	4042	4015	4040	4607	4567	4167	4051	4259	4849	5128
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	293	292	290	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	565	565	672	627	610	672	596	681	662	654	639	629	635	515
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	171	166	165	165	165	172	178	180
22 La Grande	62.9	63.3	63.6	63.3	63.6	63.6	63.0	63.3	63.0	62.9	63.6	63.2	63.0	62.9
23 Libby	372	372	462	517	567	583	502	530	470	416	415	459	464	472
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	787	771	840	807	873	864	856	766	742	848	847	769
26 Long Lake	72.0	72.0	72.0	72.0	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	0	0	0	0	63.5	49.7	49.7	-38.6	-40.3	60.7	69.4	70.6
28 Lower Granite	580	580	718	735	740	857	796	856	857	776	756	867	756	778
29 Lower Monumental	645	645	690	701	771	870	878	878	853	808	831	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	125	125
31 McNary	884	884	830	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	147	130	113	128	128	113	113	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	149	157	196	236	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	339	438	440	428	440	432	432	432	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

Regional: Regulated Hydro
Operating Year 2025 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.9	10.5	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	560	567	557	530	515	542	572	581	593	593	593	565	547	562
46 Rocky Reach	1308	1306	1161	1124	1199	1244	1204	1196	1196	1196	1304	1307	1312	1307
47 Ross	0	331	392	343	295	398	355	278	183	187	189	197	366	445
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	261	206	0.21	168	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	63.9	64.0	0.09	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1717	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.1	79.6	85.2
53 Upper Baker	103	103	103	94.4	0	85.7	83.3	83.0	48.6	41.3	0	101	103	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	846	840	836	836	889	843	836	836	836	836	836	843	856	846
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	129	133	130	116	102	94.0	94.0	106	106	0	133	132
Total Regulated Hydro														
58 Federal Entities	16583	16500	16176	15420	16260	16502	16463	17148	16727	16020	15802	16595	17005	16997
59 Investor Owned Utilities	4113	4043	3929	3926	3754	4046	4200	4075	4120	3972	3797	4244	4381	4404
60 Marketer	818	793	736	720	739	767	793	794	786	764	789	780	799	811
61 Municipality	1834	2182	2275	2241	2137	2098	2196	1956	1784	1856	1829	1881	2431	2357
62 Public Utility District	2643	2642	2506	2524	2516	2582	2571	2560	2486	2500	2495	2588	2656	2633
63 Total Regulated Hydro	25991	26160	25623	24832	25406	25995	26223	26532	25904	25112	24712	26088	27272	27201

Regional: Regulated Hydro
Operating Year 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	39.0	39.0	37.4	37.1	25.0	22.3	21.8	23.3	23.4	25.3	30.2	35.9	46.0	46.9
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	28.0	28.0	30.3	0	46.6	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	909	676
5 Box Canyon Dam	76.9	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	98.0	89.4	86.6	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	48.3	67.1	66.4	65.9	65.4	64.3	63.8	63.6	4.00	4.00	66.5	68.1
9 Chief Joseph	2222	2222	1940	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	21.4	16.8	13.3	9.89	8.38	17.2	17.2	15.2	17.1	21.3	23.9	28.3	34.4	32.6
11 Cushman 2	88.0	88.0	0	0	0	4.94	88.0	76.1	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5028	4947	4404	3750	4042	4015	4040	4607	4567	4167	4051	4259	4849	5128
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	293	292	290	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	565	565	672	627	610	672	596	681	662	654	639	629	635	515
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	171	166	165	165	165	172	178	180
22 La Grande	62.9	63.3	63.6	63.3	63.6	63.6	63.0	63.3	63.0	62.9	63.6	63.2	63.0	62.9
23 Libby	372	372	462	517	567	583	502	530	470	416	415	459	464	472
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	787	771	840	807	873	864	856	766	742	848	847	769
26 Long Lake	72.0	72.0	72.0	72.0	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	0	0	0	0	63.5	49.7	49.7	-38.6	-40.3	60.7	69.4	70.6
28 Lower Granite	580	580	718	735	740	857	796	856	857	776	756	867	756	778
29 Lower Monumental	645	645	690	701	771	870	878	878	853	808	831	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	125	125
31 McNary	884	884	830	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	147	130	113	128	128	113	113	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	149	157	196	236	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	339	438	440	428	440	432	432	432	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

Regional: Regulated Hydro
Operating Year 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.9	10.5	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	560	567	557	530	515	542	572	581	593	593	593	565	547	562
46 Rocky Reach	1308	1306	1161	1124	1199	1244	1204	1196	1196	1196	1304	1307	1312	1307
47 Ross	0	331	392	343	295	398	355	278	183	187	189	197	366	445
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	261	206	0.21	168	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	63.9	64.0	0.09	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1717	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.1	79.6	85.2
53 Upper Baker	103	103	103	94.4	0	85.7	83.3	83.0	48.6	41.3	0	101	103	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	846	840	836	836	889	843	836	836	836	836	836	843	856	846
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	129	133	130	116	102	94.0	94.0	106	106	0	133	132
Total Regulated Hydro														
58 Federal Entities	16583	16500	16176	15420	16260	16502	16463	17148	16727	16020	15802	16595	17005	16997
59 Investor Owned Utilities	4113	4043	3929	3926	3754	4046	4200	4075	4120	3972	3797	4244	4381	4367
60 Marketer	818	793	736	720	739	767	793	794	786	764	789	780	799	811
61 Municipality	1834	2182	2275	2241	2137	2098	2196	1956	1784	1856	1829	1881	2431	2357
62 Public Utility District	2643	2642	2506	2524	2516	2582	2571	2560	2486	2500	2495	2588	2656	2633
63 Total Regulated Hydro	25991	26160	25623	24832	25406	25995	26223	26532	25904	25112	24712	26088	27272	27164

Regional: Regulated Hydro
Operating Year 2027 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	39.0	39.0	37.4	37.1	25.0	22.3	21.8	23.3	23.4	25.3	30.2	35.9	46.0	46.9
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	28.0	28.0	30.3	0	46.6	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	909	676
5 Box Canyon Dam	76.9	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	98.0	89.4	86.6	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	48.3	67.1	66.4	65.9	65.4	64.3	63.8	63.6	4.00	4.00	66.5	68.1
9 Chief Joseph	2222	2222	1940	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	21.4	16.8	13.3	9.89	8.38	17.2	17.2	15.2	17.1	21.3	23.9	28.3	34.4	32.6
11 Cushman 2	88.0	88.0	0	0	0	4.94	88.0	76.1	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	33.2
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5028	4947	4404	3750	4042	4015	4040	4607	4567	4167	4051	4259	4849	5128
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	293	292	290	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	565	565	672	627	610	672	596	681	662	654	639	629	635	515
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	171	166	165	165	165	172	178	180
22 La Grande	62.9	63.3	63.6	63.3	63.6	63.6	63.0	63.3	63.0	62.9	63.6	63.2	63.0	62.9
23 Libby	372	372	462	517	567	583	502	530	470	416	415	459	464	472
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	787	771	840	807	873	864	856	766	742	848	847	769
26 Long Lake	72.0	72.0	72.0	72.0	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	0	0	0	0	63.5	49.7	49.7	-38.6	-40.3	60.7	69.4	70.6
28 Lower Granite	580	580	718	735	740	857	796	856	857	776	756	867	756	778
29 Lower Monumental	645	645	690	701	771	870	878	878	853	808	831	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	125	125
31 McNary	884	884	830	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	147	130	113	128	128	113	113	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	149	157	196	236	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	339	438	440	428	440	432	432	432	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

Regional: Regulated Hydro
Operating Year 2027 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.9	10.5	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	560	567	557	530	515	542	572	581	593	593	593	565	547	562
46 Rocky Reach	1308	1306	1161	1124	1199	1244	1204	1196	1196	1196	1304	1307	1312	1307
47 Ross	0	331	392	343	295	398	355	278	183	187	189	197	366	445
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	261	206	0.21	168	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	63.9	64.0	0.09	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1717	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.1	79.6	85.2
53 Upper Baker	103	103	103	94.4	0	85.7	83.3	83.0	48.6	41.3	0	101	103	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	846	840	836	836	889	843	836	836	836	836	836	843	856	846
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	129	133	130	116	102	94.0	94.0	106	106	0	133	132
Total Regulated Hydro														
58 Federal Entities	16583	16500	16176	15420	16260	16502	16463	17148	16727	16020	15802	16595	17005	16997
59 Investor Owned Utilities	4113	4043	3929	3926	3754	4046	4200	4075	4120	3972	3797	4244	4381	4404
60 Marketer	818	793	736	720	739	767	793	794	786	764	789	780	799	811
61 Municipality	1834	2182	2275	2241	2137	2098	2196	1956	1784	1856	1829	1881	2431	2357
62 Public Utility District	2643	2642	2506	2524	2516	2582	2571	2560	2486	2500	2495	2588	2656	2633
63 Total Regulated Hydro	25991	26160	25623	24832	25406	25995	26223	26532	25904	25112	24712	26088	27272	27201

Regional: Regulated Hydro
Operating Year 2028 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	39.0	39.0	37.4	37.1	25.0	22.3	21.8	23.3	23.4	25.3	30.2	35.9	46.0	46.9
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	28.0	28.0	30.3	0	46.6	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	909	676
5 Box Canyon Dam	76.9	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	98.0	89.4	86.6	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	48.3	67.1	66.4	65.9	65.4	64.3	63.8	63.6	4.00	4.00	66.5	68.1
9 Chief Joseph	2222	2222	1940	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	21.4	16.8	13.3	9.89	8.38	17.2	17.2	15.2	17.1	21.3	23.9	28.3	34.4	32.6
11 Cushman 2	88.0	88.0	0	0	0	4.94	88.0	76.1	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5028	4947	4404	3750	4042	4015	4040	4607	4567	4167	4051	4259	4849	5128
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	293	292	290	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	565	565	672	627	610	672	596	681	662	654	639	629	635	515
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	171	166	165	165	165	172	178	180
22 La Grande	62.9	63.3	63.6	63.3	63.6	63.6	63.0	63.3	63.0	62.9	63.6	63.2	63.0	62.9
23 Libby	372	372	462	517	567	583	502	530	470	416	415	459	464	472
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	787	771	840	807	873	864	856	766	742	848	847	769
26 Long Lake	72.0	72.0	72.0	72.0	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	0	0	0	0	63.5	49.7	49.7	-38.6	-40.3	60.7	69.4	70.6
28 Lower Granite	580	580	718	735	740	857	796	856	857	776	756	867	756	778
29 Lower Monumental	645	645	690	701	771	870	878	878	853	808	831	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	125	125
31 McNary	884	884	830	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	147	130	113	128	128	113	113	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	149	157	196	236	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	339	438	440	428	440	432	432	432	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

Regional: Regulated Hydro
Operating Year 2028 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.9	10.5	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	560	567	557	530	515	542	572	581	593	593	593	565	547	562
46 Rocky Reach	1308	1306	1161	1124	1199	1244	1204	1196	1196	1196	1304	1307	1312	1307
47 Ross	0	331	392	343	295	398	355	278	183	187	189	197	366	445
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	261	206	0.21	168	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	63.9	64.0	0.09	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1717	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.1	79.6	85.2
53 Upper Baker	103	103	103	94.4	0	85.7	83.3	83.0	48.6	41.3	0	101	103	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	846	840	836	836	889	843	836	836	836	836	836	843	856	846
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	129	133	130	116	102	94.0	94.0	106	106	0	133	132
Total Regulated Hydro														
58 Federal Entities	16583	16500	16176	15420	16260	16502	16463	17148	16727	16020	15802	16595	17005	16997
59 Investor Owned Utilities	4113	4043	3929	3926	3754	4046	4200	4075	4120	3972	3797	4244	4381	4367
60 Marketer	818	793	736	720	739	767	793	794	786	764	789	780	799	811
61 Municipality	1834	2182	2275	2241	2137	2098	2196	1956	1784	1856	1829	1881	2431	2357
62 Public Utility District	2643	2642	2506	2524	2516	2582	2571	2560	2486	2500	2495	2588	2656	2633
63 Total Regulated Hydro	25991	26160	25623	24832	25406	25995	26223	26532	25904	25112	24712	26088	27272	27164

Regional: Regulated Hydro
Operating Year 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	39.0	39.0	37.4	37.1	25.0	22.3	21.8	23.3	23.4	25.3	30.2	35.9	46.0	46.9
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	28.0	28.0	30.3	0	46.6	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	909	676
5 Box Canyon Dam	76.9	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	98.0	89.4	86.6	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	48.3	67.1	66.4	65.9	65.4	64.3	63.8	63.6	4.00	4.00	66.5	68.1
9 Chief Joseph	2222	2222	1940	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	21.4	16.8	13.3	9.89	8.38	17.2	17.2	15.2	17.1	21.3	23.9	28.3	34.4	32.6
11 Cushman 2	88.0	88.0	0	0	0	4.94	88.0	76.1	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	33.2
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5028	4947	4404	3750	4042	4015	4040	4607	4567	4167	4051	4259	4849	5128
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	293	292	290	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	565	565	672	627	610	672	596	681	662	654	639	629	635	515
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	171	166	165	165	165	172	178	180
22 La Grande	62.9	63.3	63.6	63.3	63.6	63.6	63.0	63.3	63.0	62.9	63.6	63.2	63.0	62.9
23 Libby	372	372	462	517	567	583	502	530	470	416	415	459	464	472
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	787	771	840	807	873	864	856	766	742	848	847	769
26 Long Lake	72.0	72.0	72.0	72.0	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	0	0	0	0	63.5	49.7	49.7	-38.6	-40.3	60.7	69.4	70.6
28 Lower Granite	580	580	718	735	740	857	796	856	857	776	756	867	756	778
29 Lower Monumental	645	645	690	701	771	870	878	878	853	808	831	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	125	125
31 McNary	884	884	830	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	147	130	113	128	128	113	113	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	149	157	196	236	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	339	438	440	428	440	432	432	432	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

Regional: Regulated Hydro
Operating Year 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.9	10.5	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	560	567	557	530	515	542	572	581	593	593	593	565	547	562
46 Rocky Reach	1308	1306	1161	1124	1199	1244	1204	1196	1196	1196	1304	1307	1312	1307
47 Ross	0	331	392	343	295	398	355	278	183	187	189	197	366	445
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	261	206	0.21	168	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	63.9	64.0	0.09	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1717	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.1	79.6	85.2
53 Upper Baker	103	103	103	94.4	0	85.7	83.3	83.0	48.6	41.3	0	101	103	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	846	840	836	836	889	843	836	836	836	836	836	843	856	846
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	129	133	130	116	102	94.0	94.0	106	106	0	133	132
Total Regulated Hydro														
58 Federal Entities	16583	16500	16176	15420	16260	16502	16463	17148	16727	16020	15802	16595	17005	16997
59 Investor Owned Utilities	4113	4043	3789	3775	3603	3895	4049	3926	3983	3835	3654	4093	4230	4258
60 Marketer	818	793	736	720	739	767	793	794	786	764	789	780	799	811
61 Municipality	1834	2182	2275	2241	2137	2098	2196	1956	1784	1856	1829	1881	2431	2357
62 Public Utility District	2643	2642	2646	2675	2667	2732	2721	2709	2623	2638	2639	2739	2806	2779
63 Total Regulated Hydro	25991	26160	25623	24832	25406	25995	26223	26532	25904	25112	24712	26088	27272	27201

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Exhibit 20
Regional Independent Hydro

Monthly 120-Hour Capacity
Operating Year 2020 to 2029
Using 1937-Water Conditions

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Regional: Independent Hydro
Operating Year 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

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	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.48	0.73	0	0	0	0	0	0.88	0.88	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20 Detroit	115	115	115	115	115	96.0	96.0	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
29 Green Springs	7.94	7.94	6.91	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01
30 Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
31 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
32 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
33 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
34 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
35 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
36 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
37 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
38 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
39 Lake Creek (MT)	2.00	2.00	1.38	1.47	2.00	2.02	2.08	2.39	3.03	4.50	4.50	4.50	4.50	3.68
40 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

Regional: Independent Hydro
Operating Year 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2
42 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
43 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
44 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76
45 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
46 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
47 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
48 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
49 Minidoka	20.7	20.7	15.2	6.48	2.40	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7
50 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
51 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31
52 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
53 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
54 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
55 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
56 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
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
59 Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4
64 Soda 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
65 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
66 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
67 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
68 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
69 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
70 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36
71 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
72 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
73 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
74 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00
75 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
76 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
77 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
78 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70
79 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
80 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

Regional: Independent Hydro
Operating Year 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Independent Hydro														
81 Cooperative	6.06	6.06	4.04	3.78	4.34	4.34	4.65	5.14	5.66	7.16	7.16	8.63	9.29	8.36
82 Federal Entities	569	560	522	472	417	311	198	225	385	613	629	815	840	605
83 Investor Owned Utilities	778	774	786	829	803	842	806	832	844	894	900	874	876	792
84 Marketer	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
85 Municipality	162	156	168	157	158	183	186	193	196	181	184	181	203	177
86 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
87 Total Independent Hydro	1664	1656	1614	1595	1512	1472	1323	1287	1565	1845	1869	2077	2139	1749

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Regional: Independent Hydro
Operating Year 2021 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

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	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.48	0.73	0	0	0	0	0	0.88	0.88	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20 Detroit	115	115	115	115	115	96.0	96.0	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
29 Green Springs	7.94	7.94	6.91	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01
30 Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
31 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
32 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
33 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
34 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
35 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
36 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
37 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
38 John Boyle	0	0	9.28	80.0	80.0	80.0	0	0	0	0	0	0	0	0
39 Lake Creek (MT)	2.00	2.00	1.38	1.47	2.00	2.02	2.08	2.39	3.03	4.50	4.50	4.50	4.50	3.68
40 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

Regional: Independent Hydro
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2
42 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
43 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
44 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76
45 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
46 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
47 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
48 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
49 Minidoka	20.7	20.7	15.2	6.48	2.40	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7
50 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
51 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31
52 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
53 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
54 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
55 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
56 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
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
59 Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4
64 Soda 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
65 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
66 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
67 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
68 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
69 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
70 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36
71 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
72 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
73 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
74 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00
75 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
76 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
77 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
78 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70
79 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
80 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

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Independent Hydro														
81 Cooperative	6.06	6.06	4.04	3.78	4.34	4.34	4.65	5.14	5.66	7.16	7.16	8.63	9.29	8.36
82 Federal Entities	569	560	522	472	417	311	198	225	385	613	629	815	840	605
83 Investor Owned Utilities	778	774	786	829	803	842	726	752	764	814	820	794	796	792
84 Marketer	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
85 Municipality	162	156	168	157	158	183	186	193	196	181	184	181	203	177
86 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
87 Total Independent Hydro	1664	1656	1614	1595	1512	1472	1243	1207	1485	1765	1789	1997	2059	1749

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Regional: Independent Hydro
Operating Year 2022 Water Year: 1937
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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	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.48	0.73	0	0	0	0	0	0.88	0.88	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20 Detroit	115	115	115	115	115	96.0	96.0	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
29 Green Springs	7.94	7.94	6.91	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01
30 Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
31 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
32 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
33 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
34 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
35 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
36 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
37 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
38 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Lake Creek (MT)	2.00	2.00	1.38	1.47	2.00	2.02	2.08	2.39	3.03	4.50	4.50	4.50	4.50	3.68
40 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

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2
42 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
43 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
44 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76
45 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
46 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
47 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
48 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
49 Minidoka	20.7	20.7	15.2	6.48	2.40	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7
50 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
51 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31
52 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
53 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
54 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
55 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
56 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
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
59 Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4
64 Soda 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
65 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
66 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
67 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
68 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
69 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
70 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36
71 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
72 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
73 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
74 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00
75 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
76 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
77 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
78 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70
79 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
80 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

Regional: Independent Hydro
Operating Year 2022 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Independent Hydro														
81 Cooperative	6.06	6.06	4.04	3.78	4.34	4.34	4.65	5.14	5.66	7.16	7.16	8.63	9.29	8.36
82 Federal Entities	569	560	522	472	417	311	198	225	385	613	629	815	840	605
83 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
84 Marketer	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
85 Municipality	162	156	168	157	158	183	186	193	196	181	184	181	203	177
86 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
87 Total Independent Hydro	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749

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Regional: Independent Hydro
Operating Year 2023 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

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	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.48	0.73	0	0	0	0	0	0.88	0.88	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20 Detroit	115	115	115	115	115	96.0	96.0	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
29 Green Springs	7.94	7.94	6.91	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01
30 Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
31 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
32 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
33 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
34 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
35 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
36 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
37 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
38 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Lake Creek (MT)	2.00	2.00	1.38	1.47	2.00	2.02	2.08	2.39	3.03	4.50	4.50	4.50	4.50	3.68
40 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

Regional: Independent Hydro
Operating Year 2023 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2
42 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
43 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
44 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76
45 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
46 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
47 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
48 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
49 Minidoka	20.7	20.7	15.2	6.48	2.40	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7
50 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
51 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31
52 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
53 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
54 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
55 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
56 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
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
59 Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4
64 Soda 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
65 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
66 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
67 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
68 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
69 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
70 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36
71 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
72 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
73 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
74 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00
75 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
76 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
77 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
78 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70
79 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
80 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

Regional: Independent Hydro
Operating Year 2023 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Independent Hydro														
81 Cooperative	6.06	6.06	4.04	3.78	4.34	4.34	4.65	5.14	5.66	7.16	7.16	8.63	9.29	8.36
82 Federal Entities	569	560	522	472	417	311	198	225	385	613	629	815	840	605
83 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
84 Marketer	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
85 Municipality	162	156	168	157	158	183	186	193	196	181	184	181	203	177
86 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
87 Total Independent Hydro	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749

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Regional: Independent Hydro
Operating Year 2024 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

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	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.48	0.73	0	0	0	0	0	0.88	0.88	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20 Detroit	115	115	115	115	115	96.0	96.0	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
29 Green Springs	7.94	7.94	6.91	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01
30 Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
31 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
32 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
33 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
34 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
35 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
36 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
37 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
38 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Lake Creek (MT)	2.00	2.00	1.38	1.47	2.00	2.02	2.08	2.39	3.03	4.50	4.50	4.50	4.50	3.68
40 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

Regional: Independent Hydro
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2
42 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
43 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
44 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76
45 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
46 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
47 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
48 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
49 Minidoka	20.7	20.7	15.2	6.48	2.40	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7
50 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
51 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31
52 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
53 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
54 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
55 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
56 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
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
59 Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4
64 Soda 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
65 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
66 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
67 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
68 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
69 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
70 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36
71 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
72 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
73 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
74 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00
75 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
76 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
77 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
78 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70
79 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
80 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

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Independent Hydro														
81 Cooperative	6.06	6.06	4.04	3.78	4.34	4.34	4.65	5.14	5.66	7.16	7.16	8.63	9.29	8.36
82 Federal Entities	569	560	522	472	417	311	198	225	385	613	629	815	840	605
83 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
84 Marketer	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
85 Municipality	162	156	168	157	158	183	186	193	196	181	184	181	203	177
86 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
87 Total Independent Hydro	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749

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Regional: Independent Hydro
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.48	0.73	0	0	0	0	0	0.88	0.88	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20 Detroit	115	115	115	115	115	96.0	96.0	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
29 Green Springs	7.94	7.94	6.91	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01
30 Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
31 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
32 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
33 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
34 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
35 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
36 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
37 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
38 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Lake Creek (MT)	2.00	2.00	1.38	1.47	2.00	2.02	2.08	2.39	3.03	4.50	4.50	4.50	4.50	3.68
40 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

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2
42 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
43 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
44 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76
45 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
46 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
47 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
48 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
49 Minidoka	20.7	20.7	15.2	6.48	2.40	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7
50 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
51 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31
52 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
53 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
54 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
55 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
56 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
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
59 Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4
64 Soda 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
65 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
66 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
67 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
68 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
69 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
70 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36
71 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
72 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
73 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
74 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00
75 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
76 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
77 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
78 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70
79 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
80 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

Regional: Independent Hydro
Operating Year 2025 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Independent Hydro														
81 Cooperative	6.06	6.06	4.04	3.78	4.34	4.34	4.65	5.14	5.66	7.16	7.16	8.63	9.29	8.36
82 Federal Entities	569	560	522	472	417	311	198	225	385	613	629	815	840	605
83 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
84 Marketer	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
85 Municipality	162	156	168	157	158	183	186	193	196	181	184	181	203	177
86 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
87 Total Independent Hydro	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749

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Regional: Independent Hydro
Operating Year 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

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	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.48	0.73	0	0	0	0	0	0.88	0.88	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20 Detroit	115	115	115	115	115	96.0	96.0	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
29 Green Springs	7.94	7.94	6.91	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01
30 Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
31 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
32 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
33 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
34 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
35 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
36 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
37 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
38 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Lake Creek (MT)	2.00	2.00	1.38	1.47	2.00	2.02	2.08	2.39	3.03	4.50	4.50	4.50	4.50	3.68
40 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

Regional: Independent Hydro
Operating Year 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2
42 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
43 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
44 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76
45 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
46 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
47 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
48 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
49 Minidoka	20.7	20.7	15.2	6.48	2.40	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7
50 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
51 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31
52 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
53 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
54 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
55 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
56 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
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
59 Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4
64 Soda 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
65 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
66 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
67 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
68 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
69 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
70 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36
71 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
72 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
73 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
74 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00
75 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
76 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
77 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
78 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70
79 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
80 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

Regional: Independent Hydro
Operating Year 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Independent Hydro														
81 Cooperative	6.06	6.06	4.04	3.78	4.34	4.34	4.65	5.14	5.66	7.16	7.16	8.63	9.29	8.36
82 Federal Entities	569	560	522	472	417	311	198	225	385	613	629	815	840	605
83 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
84 Marketer	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
85 Municipality	162	156	168	157	158	183	186	193	196	181	184	181	203	177
86 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
87 Total Independent Hydro	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749

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Regional: Independent Hydro
Operating Year 2027 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

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	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.48	0.73	0	0	0	0	0	0.88	0.88	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20 Detroit	115	115	115	115	115	96.0	96.0	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
29 Green Springs	7.94	7.94	6.91	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01
30 Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
31 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
32 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
33 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
34 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
35 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
36 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
37 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
38 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Lake Creek (MT)	2.00	2.00	1.38	1.47	2.00	2.02	2.08	2.39	3.03	4.50	4.50	4.50	4.50	3.68
40 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

Regional: Independent Hydro
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2
42 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
43 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
44 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76
45 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
46 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
47 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
48 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
49 Minidoka	20.7	20.7	15.2	6.48	2.40	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7
50 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
51 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31
52 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
53 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
54 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
55 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
56 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
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
59 Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4
64 Soda 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
65 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
66 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
67 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
68 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
69 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
70 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36
71 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
72 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
73 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
74 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00
75 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
76 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
77 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
78 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70
79 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
80 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

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Independent Hydro														
81 Cooperative	6.06	6.06	4.04	3.78	4.34	4.34	4.65	5.14	5.66	7.16	7.16	8.63	9.29	8.36
82 Federal Entities	569	560	522	472	417	311	198	225	385	613	629	815	840	605
83 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
84 Marketer	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
85 Municipality	162	156	168	157	158	183	186	193	196	181	184	181	203	177
86 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
87 Total Independent Hydro	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749

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Regional: Independent Hydro
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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.48	0.73	0	0	0	0	0	0.88	0.88	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20 Detroit	115	115	115	115	115	96.0	96.0	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
29 Green Springs	7.94	7.94	6.91	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01
30 Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
31 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
32 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
33 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
34 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
35 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
36 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
37 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
38 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Lake Creek (MT)	2.00	2.00	1.38	1.47	2.00	2.02	2.08	2.39	3.03	4.50	4.50	4.50	4.50	3.68
40 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

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120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2
42 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
43 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
44 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76
45 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
46 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
47 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
48 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
49 Minidoka	20.7	20.7	15.2	6.48	2.40	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7
50 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
51 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31
52 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
53 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
54 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
55 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
56 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
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
59 Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4
64 Soda 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
65 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
66 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
67 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
68 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
69 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
70 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36
71 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
72 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
73 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
74 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00
75 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
76 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
77 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
78 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70
79 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
80 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

Regional: Independent Hydro
Operating Year 2028 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Independent Hydro														
81 Cooperative	6.06	6.06	4.04	3.78	4.34	4.34	4.65	5.14	5.66	7.16	7.16	8.63	9.29	8.36
82 Federal Entities	569	560	522	472	417	311	198	225	385	613	629	815	840	605
83 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
84 Marketer	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
85 Municipality	162	156	168	157	158	183	186	193	196	181	184	181	203	177
86 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
87 Total Independent Hydro	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749

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Regional: Independent Hydro
Operating Year 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

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	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.48	0.73	0	0	0	0	0	0.88	0.88	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20 Detroit	115	115	115	115	115	96.0	96.0	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
29 Green Springs	7.94	7.94	6.91	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01
30 Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
31 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
32 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
33 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
34 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
35 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
36 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
37 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
38 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Lake Creek (MT)	2.00	2.00	1.38	1.47	2.00	2.02	2.08	2.39	3.03	4.50	4.50	4.50	4.50	3.68
40 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

Regional: Independent Hydro
Operating Year 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2
42 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
43 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
44 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76
45 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
46 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
47 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
48 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
49 Minidoka	20.7	20.7	15.2	6.48	2.40	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7
50 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
51 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31
52 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
53 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
54 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
55 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
56 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
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
59 Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4
64 Soda 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
65 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
66 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
67 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
68 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
69 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
70 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36
71 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
72 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
73 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
74 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00
75 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
76 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
77 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
78 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70
79 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
80 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

Regional: Independent Hydro
Operating Year 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Independent Hydro														
81 Cooperative	6.06	6.06	4.04	3.78	4.34	4.34	4.65	5.14	5.66	7.16	7.16	8.63	9.29	8.36
82 Federal Entities	569	560	522	472	417	311	198	225	385	613	629	815	840	605
83 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
84 Marketer	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
85 Municipality	162	156	168	157	158	183	186	193	196	181	184	181	203	177
86 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
87 Total Independent Hydro	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749

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Exhibit 21
Federal Report Surplus Deficit By Water Year
80 Water Year Federal Surplus/Deficit

Monthly 120-Hour Capacity
Operating Year 2020 to 2029
Using 1937-Water Conditions

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Federal Report Surplus Deficit By Water Year

Operating Year 2020

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	2621	2384	384	314	538	-113	201	480	280	-489	-1061	1432	4477	552
2 1930 Federal Report Surplus Deficit	1557	491	1024	329	644	-44.9	-855	581	221	-247	-580	1329	2618	2094
3 1931 Federal Report Surplus Deficit	2059	621	736	302	540	90.9	-748	430	300	-546	-1015	1297	2648	1999
4 1932 Federal Report Surplus Deficit	1858	632	504	0.26	165	-36.4	179	-1423	2299	2762	4610	5568	5339	3706
5 1933 Federal Report Surplus Deficit	2398	2006	1418	342	368	1720	2868	3595	2357	1344	703	4325	6060	4723
6 1934 Federal Report Surplus Deficit	3303	2947	1185	994	2989	3246	3893	4499	4328	4715	4676	4651	4424	1273
7 1935 Federal Report Surplus Deficit	887	96.6	540	200	30.8	497	2777	3308	2520	-27.2	1088	3853	3619	3763
8 1936 Federal Report Surplus Deficit	3255	915	324	202	485	-65.6	-709	-319	572	-155	3386	5677	5036	2777
9 1937 Federal Report Surplus Deficit	1736	465	745	348	741	63.9	-969	-789	-26.2	-343	-900	1444	3789	1585
10 1938 Federal Report Surplus Deficit	1611	170	712	292	427	892	2261	2640	3522	3315	4722	5376	4613	3942
11 1939 Federal Report Surplus Deficit	1048	122	1124	304	369	-114	1551	1707	1303	691	1900	3775	2999	2287
12 1940 Federal Report Surplus Deficit	1588	326	972	355	734	1051	1731	1153	2877	1950	1010	4084	3049	537
13 1941 Federal Report Surplus Deficit	1024	-318	683	75.3	726	758	694	890	1071	-659	-1096	1115	3102	1758
14 1942 Federal Report Surplus Deficit	1876	534	966	2.99	1039	2269	2368	2549	300	-54.1	206	2487	5186	4160
15 1943 Federal Report Surplus Deficit	2434	1661	1539	391	200	462	3087	3463	3140	5113	5185	4560	5949	4760
16 1944 Federal Report Surplus Deficit	3068	1529	574	203	518	-95.6	823	504	-147	-560	-997	1408	2636	679
17 1945 Federal Report Surplus Deficit	1922	126	559	72.9	483	23.1	-404	222	184	-406	-812	3743	5178	1034
18 1946 Federal Report Surplus Deficit	1441	402	725	162	634	979	2094	2736	2499	4142	5031	5454	4659	4289
19 1947 Federal Report Surplus Deficit	2815	2013	1194	165	1069	3188	3587	3979	3645	2866	1813	5204	5004	4016
20 1948 Federal Report Surplus Deficit	2534	1396	936	2698	2245	2223	3483	3861	2542	2061	3749	6042	5981	4339
21 1949 Federal Report Surplus Deficit	3422	3276	1545	631	810	806	2054	2466	3544	3054	4185	5534	4549	1211
22 1950 Federal Report Surplus Deficit	908	-270	611	190	423	1130	3430	4130	4029	4251	2963	4973	5977	4972
23 1951 Federal Report Surplus Deficit	3434	3191	1429	1270	2518	3315	3890	4840	4586	4586	4166	5439	4891	4587
24 1952 Federal Report Surplus Deficit	3036	1448	999	2210	1645	2267	3397	4076	2597	4156	5239	5935	5033	3986
25 1953 Federal Report Surplus Deficit	2443	890	304	296	503	-64.8	1022	4536	1767	-556	8.93	4449	6093	4687
26 1954 Federal Report Surplus Deficit	2903	1998	1108	575	1063	1579	3172	4330	3280	2034	1788	5383	5598	4904
27 1955 Federal Report Surplus Deficit	3498	3717	3239	706	1768	1548	1312	1617	-137	-582	-694	3714	6065	4921
28 1956 Federal Report Surplus Deficit	3336	2409	886	832	2140	3282	3838	4736	4576	4052	5409	5947	5957	4487
29 1957 Federal Report Surplus Deficit	3227	2844	1109	807	770	1805	2224	1655	2953	3903	2248	6078	5963	3239
30 1958 Federal Report Surplus Deficit	2120	1125	1014	252	625	720	2871	3410	2353	1193	2989	5693	5558	2909
31 1959 Federal Report Surplus Deficit	2440	801	631	583	1648	2912	3702	4512	3025	3331	1870	4779	5583	4685
32 1960 Federal Report Surplus Deficit	3465	3380	3611	3529	3052	2788	3003	3232	2651	4678	3713	3920	5238	3704
33 1961 Federal Report Surplus Deficit	2782	845	619	521	996	1033	2706	3634	3883	3045	997	5026	5756	3094
34 1962 Federal Report Surplus Deficit	2459	1165	719	175	650	969	2783	3381	921	1715	4737	4778	4747	3047
35 1963 Federal Report Surplus Deficit	2403	1611	468	1068	1772	2695	2999	3482	1083	190	-443	4041	5358	3577
36 1964 Federal Report Surplus Deficit	2386	1170	1310	181	663	994	1902	2187	443	1355	471	4858	6109	4826
37 1965 Federal Report Surplus Deficit	3332	3008	1838	1312	1483	3284	3943	4864	4394	1503	4952	5548	5178	4035
38 1966 Federal Report Surplus Deficit	3214	2919	572	663	846	1257	2550	2929	1083	1981	1104	3364	4588	3530

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2018 White Book Report Date: 12/1/2018 *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	3062	942	727	108	458	1831	3503	4200	3398	1653	-379	4639	5839	4510
40 1968 Federal Report Surplus Deficit	3038	2431	1186	513	1230	1261	2908	3830	3597	-633	-670	3271	5224	3876
41 1969 Federal Report Surplus Deficit	3131	2152	2264	1348	2260	2267	3728	4514	3501	4063	5016	5887	5387	4044
42 1970 Federal Report Surplus Deficit	2230	1068	919	701	892	509	2763	3602	1642	-361	-558	4418	5707	2929
43 1971 Federal Report Surplus Deficit	2108	740	674	197	629	1139	3779	4641	4472	4014	3729	5930	6041	4708
44 1972 Federal Report Surplus Deficit	3314	3546	1422	856	947	1608	3748	4562	5017	5229	3054	5815	5877	4730
45 1973 Federal Report Surplus Deficit	3469	3652	1520	754	1044	1197	2501	2976	891	-563	-990	1427	3154	1323
46 1974 Federal Report Surplus Deficit	1472	107	595	167	450	2323	4030	4607	4888	4676	4987	5623	6020	5025
47 1975 Federal Report Surplus Deficit	3391	3639	1466	118	501	617	2668	3178	3405	330	400	5117	5876	4899
48 1976 Federal Report Surplus Deficit	2972	2669	1621	1505	2489	3309	3709	4545	3961	4386	3673	5912	5311	4722
49 1977 Federal Report Surplus Deficit	3571	3834	4382	883	598	-19.1	1119	728	-158	-552	-950	1177	2655	591
50 1978 Federal Report Surplus Deficit	1733	106	65.3	-110	475	1210	2390	2696	2022	4174	1685	4899	4294	4024
51 1979 Federal Report Surplus Deficit	2120	703	2438	902	945	167	1839	1148	2326	-83.9	882	4872	3464	791
52 1980 Federal Report Surplus Deficit	1465	446	1002	320	496	-185	1880	1128	167	1401	2250	5740	5413	3155
53 1981 Federal Report Surplus Deficit	1234	419	929	219	978	2651	3371	4096	1317	-511	-234	4780	5876	4490
54 1982 Federal Report Surplus Deficit	3487	3237	1204	455	1272	1219	3212	4729	4930	4091	2126	5565	5897	4978
55 1983 Federal Report Surplus Deficit	3486	3585	2270	1425	1317	1804	3419	4386	4428	3023	1553	4919	5126	4720
56 1984 Federal Report Surplus Deficit	3316	2534	1597	675	2742	2146	3294	3956	3846	2664	4179	4848	5871	4609
57 1985 Federal Report Surplus Deficit	3240	1746	1574	697	1231	1218	2154	2248	1220	2369	2900	4452	3301	1525
58 1986 Federal Report Surplus Deficit	1004	-293	855	954	1781	1455	2916	4044	4772	4245	3947	4245	5187	2541
59 1987 Federal Report Surplus Deficit	1827	551	465	60.1	1101	1343	1590	877	1794	-109	394	4537	3218	560
60 1988 Federal Report Surplus Deficit	956	-325	437	121	365	-202	-546	261	264	-409	-104	1315	3272	2535
61 1989 Federal Report Surplus Deficit	1704	403	675	168	640	763	484	-653	2062	2023	4621	4294	3596	1868
62 1990 Federal Report Surplus Deficit	946	155	721	334	1008	1864	2593	3897	2768	1764	3949	4254	5285	3644
63 1991 Federal Report Surplus Deficit	3218	2645	655	155	2670	2460	3458	3959	3014	2075	1176	4472	5232	4620
64 1992 Federal Report Surplus Deficit	3467	2729	621	185	604	-202	1102	1040	962	-565	-613	3641	2677	410
65 1993 Federal Report Surplus Deficit	1206	-127	260	126	669	180	-45.9	-875	1295	241	-845	5137	4662	2710
66 1994 Federal Report Surplus Deficit	1945	1016	993	363	817	267	68.8	882	234	-456	537	2878	2939	2218
67 1995 Federal Report Surplus Deficit	1564	43.3	709	164	296	267	1642	2805	3170	806	-773	4474	5309	3797
68 1996 Federal Report Surplus Deficit	1908	860	1416	1398	3195	3264	4008	4860	4875	4212	5276	5539	5507	4579
69 1997 Federal Report Surplus Deficit	3427	2749	1126	491	1118	2253	4050	4656	4967	4506	5287	5902	5908	4685
70 1998 Federal Report Surplus Deficit	3287	3548	2229	2952	2186	1270	2148	3761	2057	-7.87	-131	5613	5756	3884
71 1999 Federal Report Surplus Deficit	2943	1108	630	316	352	2119	3673	4291	4874	2492	3374	4929	5831	4803
72 2000 Federal Report Surplus Deficit	3599	3692	1565	501	2880	2728	2725	3314	3018	3796	4690	4702	3117	3494
73 2001 Federal Report Surplus Deficit	2696	180	320	342	537	-64.8	786	463	-9.25	-600	-876	1258	2647	1071
74 2002 Federal Report Surplus Deficit	1981	110	225	-137	487	634	273	836	984	1486	3493	3883	5583	4408
75 2003 Federal Report Surplus Deficit	2402	1068	961	441	764	104	507	1528	2881	1019	825	2674	5321	2090
76 2004 Federal Report Surplus Deficit	1004	-281	257	190	1093	1199	990	407	1051	682	459	3260	4215	2092
77 2005 Federal Report Surplus Deficit	1597	819	1671	824	948	1625	2185	3158	1108	-640	-781	3362	3877	2657

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	2113	285	865	304	1112	1186	3171	4087	2705	4444	4470	5483	5604	3327
79 2007 Federal Report Surplus Deficit	1283	367	344	147	1071	1292	2752	2498	4017	2242	697	4832	4481	3399
80 2008 Federal Report Surplus Deficit	1624	46.6	230	327	994	430	1182	1424	1291	232	-553	4963	6065	4326
Ranked Averages														
81 Bottom 10 pct	972	-139	653	296	724	823	1800	2331	2222	1317	1638	3349	4207	2949
82 Middle 80 pct	2431	1347	958	550	1057	1315	2244	2730	2429	1849	1977	4553	4979	3380
83 Top 10 pct	3505	3478	2302	1055	1567	1383	2299	2753	2073	1666	1104	3633	4241	3018

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2018 White Book Report Date: 12/1/2018

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	2053	1687	1024	525	738	40.9	101	339	353	-675	-1456	1051	3728	321
2 1930 Federal Report Surplus Deficit	1563	643	945	547	856	97.6	-883	439	285	-350	-666	926	1928	1863
3 1931 Federal Report Surplus Deficit	1864	758	754	528	754	285	-788	288	376	-639	-1614	880	2003	1769
4 1932 Federal Report Surplus Deficit	2248	761	819	209	361	132	83.5	-1597	2540	2669	4228	5093	4635	3385
5 1933 Federal Report Surplus Deficit	2354	1734	1468	556	564	2001	2932	3500	2518	1329	665	3530	5460	4210
6 1934 Federal Report Surplus Deficit	3910	3387	1606	1258	3346	3741	4161	4420	4255	4442	4255	4180	3803	1043
7 1935 Federal Report Surplus Deficit	856	673	434	420	236	721	2820	3205	2694	-133	1141	2897	2788	3432
8 1936 Federal Report Surplus Deficit	3676	931	798	413	685	100	-734	-468	672	-253	3349	5202	4360	2520
9 1937 Federal Report Surplus Deficit	1391	399	526	566	962	252	-994	-946	-3.25	-545	-1331	947	2979	1361
10 1938 Federal Report Surplus Deficit	1726	472	994	505	624	1154	2254	2556	3613	3239	4457	4902	3881	3587
11 1939 Federal Report Surplus Deficit	1113	272	1244	519	565	8.83	1418	1646	1434	562	1858	2814	2131	2055
12 1940 Federal Report Surplus Deficit	1134	327	658	580	961	1334	1688	1015	3068	1856	1043	3221	2202	306
13 1941 Federal Report Surplus Deficit	878	129	771	288	952	1013	587	758	1196	-739	-1623	736	2259	1530
14 1942 Federal Report Surplus Deficit	1940	491	1138	212	1277	2596	2381	2417	375	-181	232	1231	4513	3759
15 1943 Federal Report Surplus Deficit	2703	1931	1643	613	397	681	3206	3367	3467	4891	4826	3888	5332	4329
16 1944 Federal Report Surplus Deficit	2868	1431	1049	408	716	52.9	659	444	-136	-739	-1905	995	1972	457
17 1945 Federal Report Surplus Deficit	1747	107	688	282	685	215	-457	76.4	233	-585	-1642	2784	4504	814
18 1946 Federal Report Surplus Deficit	1736	468	866	368	837	1248	2061	2606	2787	4025	4714	5095	3932	3881
19 1947 Federal Report Surplus Deficit	3379	2238	1411	368	1305	3685	3797	3977	3695	2720	1770	4772	4339	3635
20 1948 Federal Report Surplus Deficit	2304	1172	1262	3180	2604	2501	3668	3750	2649	2067	3504	5399	5366	3922
21 1949 Federal Report Surplus Deficit	3950	3486	1720	864	1026	1063	2048	2333	3744	3062	3906	5094	3833	986
22 1950 Federal Report Surplus Deficit	748	314	614	396	619	1417	3639	4217	4034	4120	2849	4397	5400	4519
23 1951 Federal Report Surplus Deficit	3926	3270	1747	1557	2895	3799	4186	4761	4516	4439	3837	5010	4183	4120
24 1952 Federal Report Surplus Deficit	3556	1293	1401	2619	1942	2546	3582	3984	2727	4218	4903	5444	4377	3625
25 1953 Federal Report Surplus Deficit	2529	750	506	506	705	98.3	850	4528	1929	-762	21.3	3660	5444	4245
26 1954 Federal Report Surplus Deficit	2824	1845	1420	803	1299	1871	3282	4290	3422	1886	1744	5055	5059	4400
27 1955 Federal Report Surplus Deficit	4176	4399	3305	941	2083	1837	1221	1480	-126	-657	-732	2699	5473	4447
28 1956 Federal Report Surplus Deficit	3831	2603	1334	1078	2490	3704	4113	4695	4578	3901	5011	5356	5391	4052
29 1957 Federal Report Surplus Deficit	3610	2992	1484	1050	982	2075	2240	1514	3230	3839	2193	5407	5358	2961
30 1958 Federal Report Surplus Deficit	2785	548	884	461	829	966	2956	3278	2476	1068	2871	5207	4959	2654
31 1959 Federal Report Surplus Deficit	2474	784	946	811	1945	3265	4031	4432	3103	3238	1867	4425	5024	4214
32 1960 Federal Report Surplus Deficit	3880	3620	3604	4129	3406	3082	3057	3267	2837	4480	3428	2998	4575	3383
33 1961 Federal Report Surplus Deficit	3256	747	1067	748	1229	1308	2789	3510	3879	2987	1035	4650	5153	2822
34 1962 Federal Report Surplus Deficit	2423	1149	836	381	857	1238	2745	3415	1057	1531	4352	4108	4024	2789
35 1963 Federal Report Surplus Deficit	2885	1534	994	1337	2085	2995	3178	3359	1213	77.7	-463	3110	4702	3259
36 1964 Federal Report Surplus Deficit	2492	1001	1595	389	870	1267	1798	2124	542	1218	533	4239	5466	4324
37 1965 Federal Report Surplus Deficit	3797	3278	2204	1609	1766	3779	4223	4785	4390	1282	4634	5007	4577	3677
38 1966 Federal Report Surplus Deficit	3764	3067	1031	911	1072	1550	2501	2919	1217	1876	1168	2255	3851	3227

Federal Report Surplus Deficit By Water Year

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	2997	867	1027	319	655	2120	3716	4180	3450	1513	-358	4022	5293	4045
40 1968 Federal Report Surplus Deficit	3329	2484	1559	747	1486	1554	3003	3721	3612	-760	-723	2118	4591	3527
41 1969 Federal Report Surplus Deficit	3486	3044	2522	1663	2622	2546	4016	4436	3724	4004	4619	5437	4801	3676
42 1970 Federal Report Surplus Deficit	2019	878	1170	936	1115	737	2826	3486	1859	-511	-602	3652	5090	2682
43 1971 Federal Report Surplus Deficit	2024	618	692	410	832	1420	4180	4562	4552	3912	3450	5227	5444	4289
44 1972 Federal Report Surplus Deficit	3925	3846	1771	1102	1171	1908	4025	4790	4925	4883	2929	4970	5307	4257
45 1973 Federal Report Surplus Deficit	3998	4119	1878	998	1278	1480	2528	2849	1013	-747	-1895	1046	2316	1094
46 1974 Federal Report Surplus Deficit	1937	83.7	658	382	645	2682	4231	4528	4850	4534	4662	4778	5409	4555
47 1975 Federal Report Surplus Deficit	4020	4104	1829	321	700	851	2678	3117	3547	136	444	4567	5242	4485
48 1976 Federal Report Surplus Deficit	3303	2678	1996	1847	2864	3804	3963	4487	3972	4343	3440	5322	4675	4213
49 1977 Federal Report Surplus Deficit	4213	4688	4080	1133	802	166	970	672	-147	-754	-1799	754	2013	365
50 1978 Federal Report Surplus Deficit	1766	299	83.9	79.3	673	1542	2393	2615	2206	4082	1675	4362	3540	3656
51 1979 Federal Report Surplus Deficit	2952	1550	2407	1164	1174	348	1793	1009	2455	-134	909	4242	2636	559
52 1980 Federal Report Surplus Deficit	1155	251	1022	538	697	-82.5	1826	989	222	1306	2220	5247	4737	2887
53 1981 Federal Report Surplus Deficit	1113	255	1144	437	1214	2942	3660	4070	1453	-691	-215	4134	5272	4030
54 1982 Federal Report Surplus Deficit	3964	3566	1567	676	1533	1503	3353	4755	4869	3958	2112	5093	5252	4541
55 1983 Federal Report Surplus Deficit	3932	3953	2604	1730	1579	2098	3623	4421	4427	2970	1550	4387	4484	4254
56 1984 Federal Report Surplus Deficit	3771	3554	1986	908	3123	2444	3470	3905	4020	2616	4006	4329	5210	4167
57 1985 Federal Report Surplus Deficit	3470	1648	1951	928	1480	1504	2098	2186	1354	2288	2849	3681	2463	1297
58 1986 Federal Report Surplus Deficit	872	290	988	1209	2095	1753	2999	4199	4678	4164	3676	3513	4463	2301
59 1987 Federal Report Surplus Deficit	2256	419	814	263	1340	1635	1517	738	1932	-104	403	3805	2381	311
60 1988 Federal Report Surplus Deficit	1102	221	614	334	567	-98.9	-587	118	333	-603	-71.7	924	2429	2297
61 1989 Federal Report Surplus Deficit	1877	646	919	378	845	1018	398	-810	2325	1898	4237	3518	2776	1665
62 1990 Federal Report Surplus Deficit	1186	452	867	551	1243	2144	2597	3838	2869	1634	3642	3470	4734	3326
63 1991 Federal Report Surplus Deficit	3398	2357	929	360	3054	2743	3729	3940	3114	1947	1187	3754	4587	4125
64 1992 Federal Report Surplus Deficit	3922	2847	1050	392	808	-99.2	1007	901	1088	-744	-610	2647	1871	179
65 1993 Federal Report Surplus Deficit	1365	141	478	342	880	367	-131	-1035	1426	108	-919	4672	3869	2584
66 1994 Federal Report Surplus Deficit	1725	816	934	579	1042	481	-21.4	742	300	-635	609	1656	2086	1987
67 1995 Federal Report Surplus Deficit	1645	233	751	382	491	467	1569	2701	3251	697	-867	3785	4678	3467
68 1996 Federal Report Surplus Deficit	2338	853	1557	1704	3529	3759	4251	4781	4811	4092	4902	5104	4887	4114
69 1997 Federal Report Surplus Deficit	3793	3121	1535	712	1357	2558	4280	4577	4887	4317	4940	5213	5316	4201
70 1998 Federal Report Surplus Deficit	3708	3919	2519	3457	2539	1556	2121	3673	2191	-118	-139	5150	5099	3612
71 1999 Federal Report Surplus Deficit	3711	2491	937	526	547	2394	3945	4556	4592	2470	3139	4357	5211	4300
72 2000 Federal Report Surplus Deficit	4263	4217	1839	723	3261	3018	2788	3189	3122	3701	4309	4009	2264	3182
73 2001 Federal Report Surplus Deficit	3161	283	818	557	738	97.8	559	490	29.2	-780	-1696	874	2005	836
74 2002 Federal Report Surplus Deficit	1953	209	259	52.7	686	875	175	697	1108	1404	3240	2974	5013	3988
75 2003 Federal Report Surplus Deficit	1884	1070	959	667	980	278	402	1391	2987	910	837	1430	4664	1859
76 2004 Federal Report Surplus Deficit	871	303	348	408	1346	1484	886	265	1179	598	486	2114	3462	1871
77 2005 Federal Report Surplus Deficit	883	765	1713	1078	1179	1904	2201	3036	1240	-819	-764	2345	3074	2416

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	1870	443	677	518	1358	1470	3284	4061	2806	4377	4196	5035	5066	3040
79 2007 Federal Report Surplus Deficit	1357	258	212	355	1312	1581	2826	2365	4001	2200	761	4188	3746	3103
80 2008 Federal Report Surplus Deficit	1240	310	46.8	553	1229	649	1085	1287	1425	122	-593	4464	5492	3908
Ranked Averages														
81 Bottom 10 pct	915	371	841	582	945	1025	1746	2181	2099	894	944	2468	3251	2553
82 Middle 80 pct	2598	1412	1171	833	1340	1611	2304	2639	2495	1777	1839	3869	4297	3021
83 Top 10 pct	4064	4066	2353	923	1533	1502	2401	2852	2556	1459	987	3456	3860	2919

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Federal Report Surplus Deficit By Water Year

Operating Year 2022

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	1742	1393	751	52.3	304	-368	-213	-20.6	-29.0	-1303	-1783	605	3897	20.7
2 1930 Federal Report Surplus Deficit	1237	384	668	82.2	449	-321	-1204	77.9	-99.8	-748	-964	759	2094	1590
3 1931 Federal Report Surplus Deficit	1564	497	478	71.0	353	-95.9	-1105	-71.8	-3.89	-1024	-1952	980	1778	1491
4 1932 Federal Report Surplus Deficit	1943	496	545	-265	-95.8	-266	-227	-1955	2201	2366	3566	4484	4634	3314
5 1933 Federal Report Surplus Deficit	2050	1443	1224	86.9	103	1510	2192	3065	2212	914	454	2838	5612	4382
6 1934 Federal Report Surplus Deficit	3637	3100	1366	843	2365	2912	3181	4189	3858	3914	3604	2972	3897	732
7 1935 Federal Report Surplus Deficit	508	409	138	-42.4	-265	355	2096	2761	2348	-519	835	2586	3061	3374
8 1936 Federal Report Surplus Deficit	3397	667	507	-59.7	250	-299	-1052	-834	304	-659	2964	4654	4391	2318
9 1937 Federal Report Surplus Deficit	1058	146	216	102	571	-133	-1312	-1313	-400	-1173	-1660	1107	3264	1061
10 1938 Federal Report Surplus Deficit	1408	215	723	32.9	171	790	1637	2105	3316	2901	3978	3820	3987	3564
11 1939 Federal Report Surplus Deficit	769	23.6	987	51.0	105	-426	1051	1230	1093	129	1612	2717	2511	1798
12 1940 Federal Report Surplus Deficit	793	75.3	363	123	581	954	1180	663	2760	1543	745	2946	2532	5.51
13 1941 Federal Report Surplus Deficit	547	-130	496	-182	557	651	252	397	864	-1152	-1956	695	2554	1242
14 1942 Federal Report Surplus Deficit	1628	234	885	-264	879	1971	1755	1977	-4.98	-577	-48.8	1741	4500	3803
15 1943 Federal Report Surplus Deficit	2367	1602	1416	154	-89.3	312	2399	2917	3092	4323	4464	3348	5428	4391
16 1944 Federal Report Surplus Deficit	2577	1139	776	-70.7	277	-360	362	2.88	-527	-1367	-2279	582	2032	137
17 1945 Federal Report Surplus Deficit	1447	-149	405	-192	255	-167	-769	-288	-156	-1213	-1993	2695	4494	498
18 1946 Federal Report Surplus Deficit	1414	215	581	-109	413	881	1484	2208	2522	3623	4150	3953	4032	3928
19 1947 Federal Report Surplus Deficit	3096	1957	1165	-113	934	2815	2889	3469	3353	2499	1523	4106	4342	3647
20 1948 Federal Report Surplus Deficit	2002	903	1007	2864	2070	1904	2793	3325	2375	1679	3107	5000	5435	3968
21 1949 Federal Report Surplus Deficit	3678	3199	1490	415	629	700	1457	1900	3447	2681	3502	4521	3928	675
22 1950 Federal Report Surplus Deficit	382	56.5	313	-81.3	165	995	2720	3647	3871	3761	2515	3361	5478	4553
23 1951 Federal Report Surplus Deficit	3653	2978	1514	1166	2250	2934	3231	4547	4132	4006	3371	3893	4213	4226
24 1952 Federal Report Surplus Deficit	3275	1023	1155	2308	1526	1942	2711	3565	2437	3783	4481	4786	4393	3608
25 1953 Federal Report Surplus Deficit	2232	471	193	31.4	276	-303	536	4158	1592	-1363	-259	3238	5652	4307
26 1954 Federal Report Surplus Deficit	2533	1548	1171	348	924	1389	2483	3899	3004	1627	1476	3808	4941	4479
27 1955 Federal Report Surplus Deficit	3915	4094	3250	494	1636	1361	828	1138	-517	-1059	-1024	2664	5560	4520
28 1956 Federal Report Surplus Deficit	3556	2306	1078	644	1962	2858	3228	4398	4248	3558	4611	4832	5347	4119
29 1957 Federal Report Surplus Deficit	3331	2696	1240	612	578	1551	1605	1174	2904	3456	1847	5118	5505	2811
30 1958 Federal Report Surplus Deficit	2490	292	605	-12.6	405	604	2187	2812	2181	721	2471	4868	4896	2461
31 1959 Federal Report Surplus Deficit	2174	521	672	356	1514	2513	3130	4172	2784	2970	1595	3123	4977	4320
32 1960 Federal Report Surplus Deficit	3601	3328	3659	3708	2389	2323	2320	2663	2505	4023	2997	2825	4565	3316
33 1961 Federal Report Surplus Deficit	2971	469	800	292	854	937	2022	3059	3533	2686	778	3397	5098	2666
34 1962 Federal Report Surplus Deficit	2124	880	554	-97.0	440	870	2110	2827	692	1237	3843	3374	4106	2618
35 1963 Federal Report Surplus Deficit	2596	1258	718	927	1644	2286	2282	2904	872	-307	-752	2919	4658	3185
36 1964 Federal Report Surplus Deficit	2194	734	1358	-86.8	453	898	1352	1697	151	885	254	3517	5671	4421
37 1965 Federal Report Surplus Deficit	3672	2986	2006	1228	1380	2950	3398	4568	4031	1049	4214	4152	4598	3676
38 1966 Federal Report Surplus Deficit	3487	2785	770	478	687	1139	1903	2395	862	1571	868	2420	4014	3126

Federal Report Surplus Deficit By Water Year

Operating Year 2022

2018 White Book Report Date: **12/1/2018** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	2708	604	758	-153	207	1603	2795	3760	3140	1275	-643	3028	5358	4163
40 1968 Federal Report Surplus Deficit	3045	2187	1323	300	1090	1121	2223	3290	3268	-1166	-1011	2343	4542	3491
41 1969 Federal Report Surplus Deficit	3205	2762	2364	1299	2085	1955	3161	4183	3233	3556	3988	4719	4731	3669
42 1970 Federal Report Surplus Deficit	1707	614	901	491	729	371	2082	3046	1415	-805	-861	3226	5146	2494
43 1971 Federal Report Surplus Deficit	1711	342	399	-60.6	405	1044	3344	4350	4194	3580	3059	4794	5500	4354
44 1972 Federal Report Surplus Deficit	3652	3568	1537	668	786	1461	3085	4489	4421	4244	2521	4583	5323	4343
45 1973 Federal Report Surplus Deficit	3726	3830	1656	560	905	1075	1859	2441	662	-1375	-2258	671	2617	786
46 1974 Federal Report Surplus Deficit	1623	-172	374	-87.6	189	2028	3384	4297	4412	4141	4072	4293	5448	4564
47 1975 Federal Report Surplus Deficit	3750	3816	1603	-161	259	487	1989	2627	3187	-163	161	3536	5295	4472
48 1976 Federal Report Surplus Deficit	3020	2380	1782	1495	2238	2975	3081	4221	3630	3948	3003	4800	4656	4352
49 1977 Federal Report Surplus Deficit	3970	4230	4225	703	377	-220	494	448	-538	-1382	-2151	487	1758	43.7
50 1978 Federal Report Surplus Deficit	1465	42.6	-246	-387	230	1025	1765	2151	2005	3640	1354	3307	3697	3646
51 1979 Federal Report Surplus Deficit	2661	1256	2232	747	794	-41.0	1311	657	2154	-576	656	3654	2922	236
52 1980 Federal Report Surplus Deficit	816	-6.14	748	73.1	268	-523	1335	638	-166	994	1858	4491	4707	2732
53 1981 Federal Report Surplus Deficit	771	6.11	889	-28.5	842	2227	2680	3685	1124	-1319	-472	3474	5327	4143
54 1982 Federal Report Surplus Deficit	3690	3280	1330	214	1150	1080	2523	4522	4247	3625	1805	4209	5328	4539
55 1983 Federal Report Surplus Deficit	3806	3675	2435	1357	1201	1559	2764	4069	4153	2601	1264	3751	4489	4338
56 1984 Federal Report Surplus Deficit	3495	3268	1766	459	2386	1868	2632	3496	3756	2303	3591	3746	5283	4247
57 1985 Federal Report Surplus Deficit	3189	1353	1730	478	1107	1122	1554	1742	1020	1984	2465	3252	2758	993
58 1986 Federal Report Surplus Deficit	512	32.8	716	784	1661	1328	2231	3888	4311	3732	3215	3070	4463	2068
59 1987 Federal Report Surplus Deficit	1950	166	528	-218	971	1217	1087	383	1625	-668	216	3187	2709	-17.3
60 1988 Federal Report Surplus Deficit	761	-36.0	325	-136	137	-539	-903	-245	-49.7	-1216	-352	985	2758	2063
61 1989 Federal Report Surplus Deficit	1578	385	640	-96.4	424	655	44.8	-1176	2009	1575	3778	3116	3049	1387
62 1990 Federal Report Surplus Deficit	869	198	583	85.3	870	1623	1935	3352	2646	1315	3210	2741	4623	3249
63 1991 Federal Report Surplus Deficit	3115	2060	651	-118	2319	2079	2804	3447	2767	1777	987	3152	4539	4256
64 1992 Federal Report Surplus Deficit	3790	2551	781	-84.6	386	-539	624	549	742	-1373	-898	2598	2149	-121
65 1993 Federal Report Surplus Deficit	1034	-110	183	-124	473	-18.0	-438	-1402	1085	-275	-1265	4037	4066	2263
66 1994 Federal Report Surplus Deficit	1415	541	650	111	657	110	-330	388	-83.9	-1263	324	2054	2446	1724
67 1995 Federal Report Surplus Deficit	1338	-18.9	473	-83.5	31.0	90.0	1118	2225	2890	317	-1164	3280	4681	3413
68 1996 Federal Report Surplus Deficit	2034	590	1317	1333	2392	2931	3346	4550	4216	3679	4329	4085	4910	4212
69 1997 Federal Report Surplus Deficit	3516	2839	1292	251	989	1934	3394	4346	4365	3890	4409	4705	5315	4303
70 1998 Federal Report Surplus Deficit	3601	3644	2344	3095	2031	1158	1533	3250	1898	-508	-423	4749	5145	3621
71 1999 Federal Report Surplus Deficit	3195	2208	656	51.1	78.3	1797	3032	4224	4306	2067	2802	3699	5258	4433
72 2000 Federal Report Surplus Deficit	4039	3927	1615	262	2381	2298	2054	2729	2782	3331	3829	3372	2570	3089
73 2001 Federal Report Surplus Deficit	2876	32.5	534	89.2	307	-304	325	-38.1	-364	-1408	-2047	959	1751	516
74 2002 Federal Report Surplus Deficit	1639	-41.8	-69.0	-414	248	513	-138	342	759	1006	2867	2778	4933	4058
75 2003 Federal Report Surplus Deficit	1567	785	683	210	582	-116	80.3	1028	2655	526	570	1882	4623	1587
76 2004 Federal Report Surplus Deficit	512	45.5	28.3	-56.7	970	1098	529	-96.1	836	207	227	2320	3620	1602
77 2005 Federal Report Surplus Deficit	536	501	1491	652	799	1433	1565	2610	904	-1448	-1089	2331	3316	2194

Federal Report Surplus Deficit By Water Year

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	1552	190	376	47.9	995	1090	2507	3567	2530	3905	3796	4522	4958	2902
79 2007 Federal Report Surplus Deficit	1023	1.29	-127	-122	913	1173	2069	1936	3653	1897	482	3527	3939	2977
80 2008 Federal Report Surplus Deficit	902	52.9	-301	97.0	856	281	709	941	1090	-277	-872	3821	5633	3953
Ranked Averages														
81 Bottom 10 pct	566	113	562	124	516	612	1193	1774	1772	437	626	2258	3470	2362
82 Middle 80 pct	2300	1149	922	393	878	1126	1679	2275	2184	1432	1543	3397	4389	2955
83 Top 10 pct	3836	3675	2112	418	1037	888	1642	2315	1840	526	90.7	2661	3721	2708

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	1555	1359	472	-41.6	267	-402	-270	-113	-111	-1370	-1826	-379	2888	15.0
2 1930 Federal Report Surplus Deficit	1090	414	394	-8.92	405	-348	-1298	32.6	-182	-805	-1089	-287	1009	1570
3 1931 Federal Report Surplus Deficit	1403	522	207	-17.9	307	-149	-1198	-119	-85.0	-1087	-1969	-15.7	665	1473
4 1932 Federal Report Surplus Deficit	1755	539	275	-360	-127	-307	-319	-1933	1939	2190	3961	4098	3688	3246
5 1933 Federal Report Surplus Deficit	1860	1426	976	-5.56	73.2	1460	2000	2835	2017	800	316	2712	4518	4262
6 1934 Federal Report Surplus Deficit	3326	2988	1115	760	2813	3212	3014	3725	3722	3892	4063	3003	2791	723
7 1935 Federal Report Surplus Deficit	405	443	-152	-133	-290	265	1899	2536	2164	-587	698	2272	2042	3304
8 1936 Federal Report Surplus Deficit	3140	685	222	-154	213	-340	-1146	-860	224	-705	3043	4261	3373	2281
9 1937 Federal Report Surplus Deficit	924	191	-87.2	10.5	522	-184	-1406	-1321	-489	-1240	-1699	127	2243	1048
10 1938 Federal Report Surplus Deficit	1245	250	456	-60.5	139	692	1463	1931	3039	2737	4144	3822	3009	3485
11 1939 Federal Report Surplus Deficit	659	79.5	730	-41.2	74.7	-441	849	1147	1012	100	1532	2192	1459	1774
12 1940 Federal Report Surplus Deficit	675	123	74.5	34.5	529	850	1000	594	2497	1421	595	2479	1484	-0.26
13 1941 Federal Report Surplus Deficit	457	-207	226	-276	493	550	162	343	769	-1216	-1985	-326	1509	1227
14 1942 Federal Report Surplus Deficit	1452	269	632	-359	811	1974	1584	1761	-86.1	-633	-222	997	3555	3711
15 1943 Federal Report Surplus Deficit	2198	1626	1173	63.8	-116	252	2235	2685	2782	4318	4537	2956	4364	4319
16 1944 Federal Report Surplus Deficit	2344	1101	498	-168	242	-391	220	33.8	-606	-1433	-2215	-403	942	126
17 1945 Federal Report Surplus Deficit	1286	-122	127	-287	217	-219	-862	-323	-241	-1280	-1977	2152	3539	488
18 1946 Federal Report Surplus Deficit	1259	258	296	-205	374	790	1466	1762	2239	3387	4427	3864	3051	3840
19 1947 Federal Report Surplus Deficit	2849	1925	911	-212	869	3047	2710	3287	3128	2367	1466	3689	3362	3565
20 1948 Federal Report Surplus Deficit	1797	909	743	2687	2096	1917	2629	3091	2165	1523	3260	4794	4380	3878
21 1949 Federal Report Surplus Deficit	3345	3044	1244	328	582	623	1283	1684	3179	2489	3684	4062	2962	664
22 1950 Federal Report Surplus Deficit	223	-221	13.3	-178	134	894	2551	3480	3541	3557	2561	3385	4380	4425
23 1951 Federal Report Surplus Deficit	3333	2847	1265	1084	2350	3177	3074	4090	4008	3851	3612	3874	3266	4117
24 1952 Federal Report Surplus Deficit	3015	1026	892	2145	1468	1954	2546	3325	2216	3513	4587	4583	3422	3530
25 1953 Federal Report Surplus Deficit	2016	491	-115	-63.1	238	-342	365	3859	1484	-1429	-429	2844	4609	4227
26 1954 Federal Report Surplus Deficit	2305	1493	919	260	857	1314	2295	3639	2785	1560	1405	3776	3877	4381
27 1955 Federal Report Surplus Deficit	3439	3603	3068	408	1592	1303	690	998	-596	-1104	-1156	2159	4522	4402
28 1956 Federal Report Surplus Deficit	3250	2253	818	559	1955	3095	3018	4023	4083	3331	4561	4659	4289	4032
29 1957 Federal Report Surplus Deficit	3058	2592	987	527	533	1504	1435	1031	2624	3220	1820	4810	4389	2758
30 1958 Federal Report Surplus Deficit	2269	330	330	-107	366	543	2022	2592	1951	645	2521	4314	3942	2423
31 1959 Federal Report Surplus Deficit	1964	543	401	268	1455	2620	2937	3741	2551	2785	1528	3092	3926	4226
32 1960 Federal Report Surplus Deficit	3311	3181	3537	3492	2875	2438	2089	2591	2280	3876	3211	2321	3599	3247
33 1961 Federal Report Surplus Deficit	2737	491	529	203	791	849	1856	2834	3328	2519	654	3400	4052	2617
34 1962 Federal Report Surplus Deficit	1924	887	275	-193	398	798	1939	2625	625	1138	4117	3181	3120	2573
35 1963 Federal Report Surplus Deficit	2365	1250	443	844	1599	2358	2139	2680	789	-361	-901	2449	3726	3119
36 1964 Federal Report Surplus Deficit	1980	747	1112	-182	412	806	1141	1544	85.7	787	82.3	3276	4620	4356
37 1965 Federal Report Surplus Deficit	3223	2858	1770	1146	1317	3221	3217	4121	3879	898	4353	4100	3579	3585
38 1966 Federal Report Surplus Deficit	3198	2680	492	393	626	1050	1669	2286	789	1447	721	1830	2992	3065

Federal Report Surplus Deficit By Water Year

Operating Year 2023

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	2487	624	486	-247	174	1558	2640	3512	2909	1191	-798	3027	4229	4056
40 1968 Federal Report Surplus Deficit	2797	2142	1079	213	1021	1030	2058	3057	3050	-1215	-1133	1751	3588	3420
41 1969 Federal Report Surplus Deficit	2955	2652	2141	1206	2118	1971	2942	3741	3161	3361	4324	4509	3738	3592
42 1970 Federal Report Surplus Deficit	1531	633	629	404	679	308	1915	2817	1262	-850	-991	2852	4107	2449
43 1971 Federal Report Surplus Deficit	1525	367	106	-154	366	946	3109	3872	4019	3372	3210	4647	4434	4247
44 1972 Federal Report Surplus Deficit	3333	3359	1289	583	735	1388	2933	4139	4455	4298	2588	4472	4241	4281
45 1973 Federal Report Surplus Deficit	3391	3571	1416	475	852	967	1689	2220	581	-1441	-2205	-375	1574	776
46 1974 Federal Report Surplus Deficit	1453	-125	92.3	-180	158	2026	3183	3833	4387	3972	4410	4219	4367	4473
47 1975 Federal Report Surplus Deficit	3395	3559	1360	-259	224	406	1789	2466	2924	-199	-11.4	3561	4287	4432
48 1976 Federal Report Surplus Deficit	2767	2290	1538	1381	2336	3276	2887	3792	3430	3764	3148	4640	3708	4246
49 1977 Federal Report Surplus Deficit	3408	3742	4147	618	338	-269	452	259	-617	-1449	-2133	-585	625	34.1
50 1978 Federal Report Surplus Deficit	1293	106	-571	-487	196	902	1596	1979	1698	3436	1256	3326	2696	3567
51 1979 Federal Report Surplus Deficit	2430	1211	2004	663	742	-88.6	1131	592	1959	-638	509	3282	1887	229
52 1980 Federal Report Surplus Deficit	696	-149	477	-18.2	230	-530	1168	575	-249	897	1835	4296	3769	2684
53 1981 Federal Report Surplus Deficit	656	59.9	625	-120	784	2291	2529	3405	1000	-1385	-637	3186	4263	4040
54 1982 Federal Report Surplus Deficit	3388	3157	1084	124	1081	975	2360	4108	4337	3402	1737	4124	4292	4483
55 1983 Federal Report Surplus Deficit	3357	3466	2215	1274	1132	1502	2591	3748	3928	2412	1159	3367	3494	4254
56 1984 Federal Report Surplus Deficit	3201	3109	1525	371	2574	1854	2463	3245	3494	2146	3744	3342	4230	4160
57 1985 Federal Report Surplus Deficit	2929	1307	1490	390	1039	1026	1343	1587	937	1838	2500	2842	1710	981
58 1986 Federal Report Surplus Deficit	219	-245	433	699	1617	1250	2066	3509	4181	3536	3387	2633	3538	2038
59 1987 Federal Report Surplus Deficit	1764	211	241	-316	907	1125	923	325	1462	-752	57.8	2935	1674	-20.1
60 1988 Federal Report Surplus Deficit	644	-187	39.9	-229	99.4	-545	-997	-287	-132	-1283	-521	-18.2	1712	2034
61 1989 Federal Report Surplus Deficit	1413	419	366	-191	384	573	-50.3	-1189	1796	1442	4026	2691	2016	1364
62 1990 Federal Report Surplus Deficit	746	240	294	-6.07	817	1606	1732	3153	2413	1212	3422	2643	3614	3181
63 1991 Federal Report Surplus Deficit	2877	2021	372	-215	2528	2127	2606	3260	2543	1658	887	2847	3559	4175
64 1992 Federal Report Surplus Deficit	3356	2491	511	-180	346	-546	495	487	661	-1439	-1044	2053	1073	-127
65 1993 Federal Report Surplus Deficit	897	-52.3	-106	-216	429	-68.4	-530	-1406	1003	-329	-1323	3623	2991	2343
66 1994 Federal Report Surplus Deficit	1225	534	355	18.8	607	51.4	-422	329	-166	-1330	154	1360	1391	1702
67 1995 Federal Report Surplus Deficit	1193	30.5	200	-175	0.87	34.8	959	2000	2659	277	-1280	2865	3722	3341
68 1996 Federal Report Surplus Deficit	1833	596	1068	1250	3002	3231	3189	4103	4280	3473	4554	4049	3875	4111
69 1997 Federal Report Surplus Deficit	3233	2741	1039	161	932	1929	3229	3908	4372	3729	4558	4528	4250	4212
70 1998 Federal Report Surplus Deficit	3144	3414	2117	2913	2042	1058	1354	3011	1730	-562	-580	4210	4172	3515
71 1999 Federal Report Surplus Deficit	2883	2169	377	-43.5	49.8	1785	2840	3891	4107	1890	2929	3338	4166	4309
72 2000 Federal Report Surplus Deficit	3564	3667	1378	172	2721	2369	1887	2506	2547	3154	4065	3108	1509	3029
73 2001 Federal Report Surplus Deficit	2646	82.9	253	-2.91	270	-343	262	-135	-450	-1474	-2032	-40.3	618	510
74 2002 Federal Report Surplus Deficit	1468	17.5	-392	-514	213	451	-69.5	165	606	897	3008	2282	3916	3961
75 2003 Federal Report Surplus Deficit	1399	792	408	122	535	-160	-9.23	879	2422	487	426	1174	3675	1567
76 2004 Federal Report Surplus Deficit	218	-232	-286	-148	901	996	440	-143	756	150	66.8	1719	2617	1580
77 2005 Federal Report Surplus Deficit	432	520	1242	568	734	1372	1394	2386	822	-1514	-1192	1761	2310	2162

Federal Report Surplus Deficit By Water Year

Operating Year 2023

2018 White Book Report Date: **12/1/2018** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	1389	235	74.1	-44.8	930	1002	2291	3406	2301	3743	3974	4027	3928	2850
79 2007 Federal Report Surplus Deficit	891	-86.3	-461	-217	847	1076	1902	1720	3450	1774	348	3238	2901	2924
80 2008 Federal Report Surplus Deficit	779	-225	-642	8.31	802	221	596	826	1008	-331	-998	3437	4593	3866
Ranked Averages														
81 Bottom 10 pct	407	-8.67	268	23.2	559	884	1256	1904	1638	157	297	1826	2796	2601
82 Middle 80 pct	2083	1124	656	297	862	1075	1498	2029	2026	1341	1603	3016	3320	2860
83 Top 10 pct	3412	3407	1897	329	1036	838	1494	2099	1721	417	51.5	2176	2672	2660

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Federal Report Surplus Deficit By Water Year

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	1560	1343	353	-50.5	286	-457	-185	86.8	-161	-1340	-1841	584	3766	76.3
2 1930 Federal Report Surplus Deficit	1094	380	267	-13.7	427	-402	-1256	185	-232	-762	-1093	694	2027	1620
3 1931 Federal Report Surplus Deficit	1402	490	78.7	-18.9	331	-208	-1146	35.4	-137	-1049	-1989	966	1722	1523
4 1932 Federal Report Surplus Deficit	1762	509	146	-370	-110	-364	-207	-1877	1903	2244	3948	5028	4552	3270
5 1933 Federal Report Surplus Deficit	1867	1410	859	-12.5	89.7	1388	2198	3016	1927	885	308	3706	5351	4231
6 1934 Federal Report Surplus Deficit	3428	2981	1008	775	2873	2956	3148	3951	3688	3910	4040	4041	3674	776
7 1935 Federal Report Surplus Deficit	409	413	-267	-137	-273	203	2103	2720	2054	-529	713	3260	2952	3328
8 1936 Federal Report Surplus Deficit	3192	656	103	-163	232	-396	-1107	-735	170	-677	3091	5176	4238	2324
9 1937 Federal Report Surplus Deficit	927	150	-187	5.75	548	-242	-1367	-1222	-532	-1210	-1715	1110	3138	1102
10 1938 Federal Report Surplus Deficit	1249	214	327	-68.6	156	628	1638	2072	3045	2782	4167	4783	3841	3503
11 1939 Federal Report Surplus Deficit	662	32.4	603	-47.8	91.3	-493	1061	1259	955	124	1543	3191	2428	1822
12 1940 Federal Report Surplus Deficit	679	80.0	-42.0	33.4	558	785	1174	764	2479	1483	609	3478	2445	61.0
13 1941 Federal Report Surplus Deficit	455	-260	97.1	-283	520	486	304	504	720	-1177	-2003	654	2466	1278
14 1942 Federal Report Surplus Deficit	1457	233	507	-369	843	1915	1760	1945	-138	-590	-208	1991	4392	3720
15 1943 Federal Report Surplus Deficit	2224	1621	1082	61.4	-99.2	190	2404	2877	2815	4349	4543	3952	5275	4312
16 1944 Federal Report Surplus Deficit	2365	1084	378	-180	260	-446	423	110	-655	-1403	-2251	560	1967	187
17 1945 Federal Report Surplus Deficit	1285	-171	2.12	-297	236	-278	-799	-185	-289	-1250	-2002	3156	4399	545
18 1946 Federal Report Surplus Deficit	1263	218	177	-217	393	726	1480	2175	2240	3434	4441	4810	3891	3846
19 1947 Federal Report Surplus Deficit	2883	1906	798	-225	901	2930	2892	3408	3094	2398	1465	4679	4214	3575
20 1948 Federal Report Surplus Deficit	1805	885	627	2772	2165	1844	2784	3269	2115	1601	3254	5549	5239	3888
21 1949 Federal Report Surplus Deficit	3455	3040	1130	330	606	559	1459	1869	3189	2540	3680	5013	3807	719
22 1950 Federal Report Surplus Deficit	228	-280	-92.3	-189	150	829	2736	3582	3632	3575	2564	4359	5263	4437
23 1951 Federal Report Surplus Deficit	3432	2842	1169	1108	2423	3025	3203	4315	3965	3866	3594	4812	4106	4109
24 1952 Federal Report Surplus Deficit	3058	1002	786	2210	1519	1881	2703	3509	2146	3615	4600	5435	4284	3546
25 1953 Federal Report Surplus Deficit	2027	464	-209	-72.6	258	-399	568	4055	1406	-1399	-418	3833	5457	4240
26 1954 Federal Report Surplus Deficit	2321	1479	799	260	889	1246	2485	3826	2734	1560	1406	4781	4765	4366
27 1955 Federal Report Surplus Deficit	3650	3784	2683	411	1648	1234	853	1178	-645	-1084	-1155	3127	5360	4402
28 1956 Federal Report Surplus Deficit	3338	2239	697	567	2022	2979	3176	4272	4072	3360	4570	5424	5168	4028
29 1957 Federal Report Surplus Deficit	3115	2579	875	534	556	1429	1610	1213	2619	3300	1827	5598	5255	2798
30 1958 Federal Report Surplus Deficit	2282	292	203	-117	386	479	2194	2774	1897	690	2526	5212	4758	2455
31 1959 Federal Report Surplus Deficit	1973	513	273	268	1506	2568	3092	3973	2499	2827	1532	4136	4818	4219
32 1960 Federal Report Surplus Deficit	3388	3178	2872	3606	2933	2374	2320	2623	2236	3870	3189	3321	4461	3274
33 1961 Federal Report Surplus Deficit	2764	463	407	203	821	784	2029	3016	3281	2582	661	4425	4902	2654
34 1962 Federal Report Surplus Deficit	1934	862	152	-205	419	733	2117	2784	553	1160	4106	4165	3985	2613
35 1963 Federal Report Surplus Deficit	2383	1229	319	862	1655	2293	2310	2863	733	-311	-899	3437	4566	3145
36 1964 Federal Report Surplus Deficit	1990	720	1007	-193	433	742	1353	1668	17.2	861	96.4	4247	5451	4346
37 1965 Federal Report Surplus Deficit	3268	2848	1674	1174	1364	2994	3344	4330	3860	997	4367	4963	4490	3609
38 1966 Federal Report Surplus Deficit	3270	2664	381	403	654	984	1910	2360	725	1519	735	2819	3842	3096

Federal Report Surplus Deficit By Water Year

Operating Year 2024

2018 White Book Report Date: 12/1/2018 *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	2506	594	363	-256	192	1488	2807	3682	2867	1245	-791	4023	5103	4057
40 1968 Federal Report Surplus Deficit	2829	2128	972	216	1059	965	2229	3239	3012	-1201	-1131	2730	4428	3437
41 1969 Federal Report Surplus Deficit	2996	2638	1987	1240	2188	1898	3124	3973	2959	3353	4299	5377	4629	3604
42 1970 Federal Report Surplus Deficit	1536	604	506	408	706	245	2089	2999	1226	-825	-998	3819	5018	2493
43 1971 Federal Report Surplus Deficit	1531	337	-5.99	-161	386	881	3296	4116	3997	3434	3208	5397	5294	4263
44 1972 Federal Report Surplus Deficit	3432	3370	1191	592	763	1322	3075	4330	4457	4322	2592	5234	5087	4260
45 1973 Federal Report Surplus Deficit	3503	3586	1328	482	882	903	1865	2405	526	-1411	-2244	588	2526	830
46 1974 Federal Report Surplus Deficit	1457	-174	-29.8	-187	175	1977	3334	4059	4393	4003	4412	5032	5233	4464
47 1975 Federal Report Surplus Deficit	3523	3574	1271	-273	242	343	1996	2589	2918	-169	4.13	4519	5176	4474
48 1976 Federal Report Surplus Deficit	2804	2282	1437	1423	2408	3019	3051	4017	3385	3810	3145	5422	4572	4223
49 1977 Federal Report Surplus Deficit	3675	3900	3200	628	358	-328	531	557	-666	-1419	-2158	397	1713	94.7
50 1978 Federal Report Surplus Deficit	1292	65.7	-641	-501	214	852	1769	2118	1727	3453	1282	4302	3570	3586
51 1979 Federal Report Surplus Deficit	2450	1197	1869	678	771	-147	1305	763	1907	-588	516	4267	2819	286
52 1980 Federal Report Surplus Deficit	699	-203	350	-23.1	250	-586	1341	747	-298	950	1847	5178	4579	2721
53 1981 Federal Report Surplus Deficit	660	14.0	509	-125	815	2223	2704	3601	940	-1356	-628	4161	5179	4033
54 1982 Federal Report Surplus Deficit	3482	3153	979	121	1121	910	2525	4324	4282	3455	1760	5032	5151	4478
55 1983 Federal Report Surplus Deficit	3584	3477	2062	1305	1172	1433	2759	3959	3898	2493	1164	4358	4372	4270
56 1984 Federal Report Surplus Deficit	3278	3106	1429	374	2647	1786	2632	3442	3506	2192	3772	4352	5103	4158
57 1985 Federal Report Surplus Deficit	2973	1291	1396	392	1075	961	1555	1711	878	1900	2523	3834	2660	1035
58 1986 Federal Report Surplus Deficit	215	-304	319	711	1673	1184	2238	3763	4122	3548	3378	3648	4362	2084
59 1987 Federal Report Surplus Deficit	1770	170	125	-330	939	1060	1092	491	1410	-679	57.5	3932	2611	38.2
60 1988 Federal Report Surplus Deficit	648	-242	-79.1	-236	119	-603	-944	-139	-182	-1253	-510	964	2662	2080
61 1989 Federal Report Surplus Deficit	1413	386	239	-201	404	509	83.2	-1082	1786	1497	4012	3689	2946	1422
62 1990 Federal Report Surplus Deficit	744	200	180	-11.3	849	1533	1942	3294	2367	1231	3407	3648	4462	3209
63 1991 Federal Report Surplus Deficit	2910	2007	250	-227	2602	2055	2796	3386	2489	1705	881	3849	4429	4151
64 1992 Federal Report Surplus Deficit	3408	2476	386	-191	367	-603	656	658	605	-1409	-1040	3057	2075	-65.7
65 1993 Federal Report Surplus Deficit	901	-96.2	-222	-222	452	-127	-433	-1312	947	-279	-1364	4620	3932	2271
66 1994 Federal Report Surplus Deficit	1245	506	246	12.6	634	-9.73	-317	497	-216	-1300	171	2356	2359	1751
67 1995 Federal Report Surplus Deficit	1191	-12.6	72.0	-180	17.5	-25.1	1129	2193	2619	313	-1281	3871	4567	3365
68 1996 Federal Report Surplus Deficit	1840	565	959	1282	3050	2975	3309	4312	4253	3460	4529	4994	4771	4110
69 1997 Federal Report Surplus Deficit	3299	2724	930	158	965	1863	3333	4107	4392	3752	4568	5322	5144	4225
70 1998 Federal Report Surplus Deficit	3173	3432	1978	3004	2110	993	1530	3198	1673	-515	-573	5123	5067	3561
71 1999 Federal Report Surplus Deficit	2978	2150	254	-53.2	66.2	1710	3006	4105	4136	1950	2926	4332	5054	4308
72 2000 Federal Report Surplus Deficit	3769	3681	1265	169	2791	2301	2061	2690	2502	3175	4055	4096	2476	3054
73 2001 Federal Report Surplus Deficit	2672	38.7	131	-9.18	289	-399	378	69.3	-496	-1444	-2057	942	1706	564
74 2002 Federal Report Surplus Deficit	1473	-30.5	-465	-528	231	388	-112	450	621	969	2991	3282	4793	3972
75 2003 Federal Report Surplus Deficit	1404	770	283	121	559	-218	121	1056	2371	515	431	2162	4537	1617
76 2004 Federal Report Surplus Deficit	215	-291	-372	-153	939	931	593	10.9	699	203	70.4	2703	3501	1632
77 2005 Federal Report Surplus Deficit	436	491	1164	580	763	1300	1570	2570	765	-1484	-1222	2771	3198	2206

Federal Report Surplus Deficit By Water Year

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2018 White Book Report Date: **12/1/2018** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	1393	193	-29.1	-52.0	965	937	2508	3510	2253	3777	3986	4967	4829	2884
79 2007 Federal Report Surplus Deficit	895	-139	-515	-228	880	1011	2076	1904	3409	1832	367	4221	3769	2953
80 2008 Federal Report Surplus Deficit	782	-284	-677	7.63	833	159	755	1002	952	-280	-1002	4421	5449	3879
Ranked Averages														
81 Bottom 10 pct	408	-57.6	160	21.1	588	819	1413	2077	1594	191	295	2815	3698	2635
82 Middle 80 pct	2108	1089	522	293	892	979	1637	2184	1947	1321	1529	3935	4179	2870
83 Top 10 pct	3580	3524	1740	397	1103	919	1756	2446	2000	947	638	3391	3823	2790

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	1546	1264	305	-32.9	289	-435	-187	-147	-184	-1352	-1905	-467	2776	47.8
2 1930 Federal Report Surplus Deficit	1083	311	216	-5.17	420	-378	-1261	-2.12	-251	-782	-1157	-446	947	1579
3 1931 Federal Report Surplus Deficit	1394	420	29.4	-17.8	322	-194	-1154	-154	-161	-1069	-2051	-147	607	1483
4 1932 Federal Report Surplus Deficit	1749	438	97.1	-350	-99.6	-345	-240	-1989	1827	2158	3898	4066	3568	3250
5 1933 Federal Report Surplus Deficit	1854	1331	826	0.61	101	1381	2074	2791	1916	819	266	2759	4463	4262
6 1934 Federal Report Surplus Deficit	3434	2908	978	751	2827	3132	3062	3722	3675	3871	3948	3036	2678	739
7 1935 Federal Report Surplus Deficit	405	342	-324	-130	-251	211	1977	2495	2061	-563	647	2317	1942	3306
8 1936 Federal Report Surplus Deficit	3196	584	47.3	-145	236	-377	-1111	-900	136	-703	2985	4216	3264	2284
9 1937 Federal Report Surplus Deficit	918	83.0	-248	14.2	534	-227	-1371	-1367	-534	-1222	-1778	4.47	2152	1061
10 1938 Federal Report Surplus Deficit	1236	145	280	-52.7	165	627	1556	1895	2951	2667	4081	3813	2878	3489
11 1939 Federal Report Surplus Deficit	657	-31.9	562	-35.5	102	-465	949	1114	907	105	1481	2233	1381	1780
12 1940 Federal Report Surplus Deficit	672	13.8	-98.4	34.7	539	779	1097	561	2395	1441	542	2526	1406	32.5
13 1941 Federal Report Surplus Deficit	459	-322	47.9	-268	503	487	255	310	665	-1198	-2066	-472	1433	1238
14 1942 Federal Report Surplus Deficit	1444	164	469	-348	819	1892	1673	1725	-161	-609	-279	982	3409	3720
15 1943 Federal Report Surplus Deficit	2203	1533	1060	65.2	-81.8	199	2304	2645	2681	4346	4474	2996	4275	4335
16 1944 Federal Report Surplus Deficit	2357	1005	330	-154	265	-423	316	0.20	-653	-1416	-2210	-491	883	151
17 1945 Federal Report Surplus Deficit	1277	-235	-50.2	-277	238	-264	-812	-360	-301	-1263	-2015	2192	3420	507
18 1946 Federal Report Surplus Deficit	1251	151	124	-193	393	723	1561	1726	2128	3341	4365	3793	2920	3842
19 1947 Federal Report Surplus Deficit	2882	1832	764	-195	877	2968	2755	3240	3051	2361	1415	3691	3232	3569
20 1948 Federal Report Surplus Deficit	1792	811	587	2691	2090	1836	2679	3046	2064	1500	3202	4729	4278	3891
21 1949 Federal Report Surplus Deficit	3461	2968	1106	325	596	560	1376	1650	3108	2463	3623	4037	2833	680
22 1950 Federal Report Surplus Deficit	228	-350	-151	-165	160	822	2604	3432	3429	3479	2507	3411	4262	4449
23 1951 Federal Report Surplus Deficit	3439	2769	1143	1074	2346	3100	3119	4088	3952	3810	3552	3852	3143	4120
24 1952 Federal Report Surplus Deficit	3059	929	751	2143	1466	1873	2597	3280	2113	3476	4525	4506	3305	3527
25 1953 Federal Report Surplus Deficit	2016	389	-271	-53.4	259	-378	460	3809	1367	-1412	-488	2891	4544	4241
26 1954 Federal Report Surplus Deficit	2313	1400	763	259	865	1237	2359	3590	2702	1561	1363	3768	3759	4416
27 1955 Federal Report Surplus Deficit	3632	3730	2721	404	1587	1225	789	966	-644	-1085	-1223	2199	4376	4423
28 1956 Federal Report Surplus Deficit	3344	2162	657	553	1950	3017	3063	3972	4032	3267	4495	4555	4185	4033
29 1957 Federal Report Surplus Deficit	3119	2505	842	522	548	1425	1524	999	2522	3201	1768	4733	4305	2761
30 1958 Federal Report Surplus Deficit	2272	224	152	-97.4	385	482	2098	2553	1844	641	2467	4259	3806	2425
31 1959 Federal Report Surplus Deficit	1961	441	224	267	1453	2539	2981	3699	2446	2752	1477	3118	3799	4239
32 1960 Federal Report Surplus Deficit	3393	3104	2922	3492	2892	2357	2151	2550	2175	3845	3153	2365	3471	3243
33 1961 Federal Report Surplus Deficit	2761	388	361	203	800	780	1933	2793	3261	2499	621	3417	3951	2619
34 1962 Federal Report Surplus Deficit	1922	789	100	-180	416	730	2018	2583	520	1091	4054	3217	3006	2575
35 1963 Federal Report Surplus Deficit	2376	1155	270	835	1595	2276	2199	2639	684	-333	-964	2495	3610	3121
36 1964 Federal Report Surplus Deficit	1979	647	978	-171	430	738	1239	1510	4.88	809	26.8	3306	4521	4388
37 1965 Federal Report Surplus Deficit	3310	2775	1669	1136	1316	3144	3272	4118	3822	864	4290	4030	3479	3590
38 1966 Federal Report Surplus Deficit	3276	2593	338	387	637	975	1757	2247	686	1452	669	1857	2865	3068

Federal Report Surplus Deficit By Water Year

Operating Year 2025

2018 White Book Report Date: **12/1/2018** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	2499	523	317	-239	199	1478	2690	3463	2822	1224	-861	3062	4130	4071
40 1968 Federal Report Surplus Deficit	2827	2051	943	210	1025	956	2132	3014	2975	-1184	-1202	1779	3449	3415
41 1969 Federal Report Surplus Deficit	2997	2568	2000	1196	2112	1890	2986	3705	3073	3269	4195	4426	3584	3589
42 1970 Federal Report Surplus Deficit	1523	532	460	400	690	253	1995	2774	1147	-829	-1057	2896	4012	2452
43 1971 Federal Report Surplus Deficit	1517	262	-61.8	-147	387	875	3155	3872	3961	3332	3152	4586	4351	4271
44 1972 Federal Report Surplus Deficit	3438	3297	1164	577	746	1311	2979	4127	4407	4331	2533	4405	4154	4276
45 1973 Federal Report Surplus Deficit	3509	3531	1309	469	860	897	1776	2182	480	-1424	-2201	-463	1493	792
46 1974 Federal Report Surplus Deficit	1444	-237	-82.5	-174	185	1944	3241	3830	4335	3927	4301	4161	4265	4514
47 1975 Federal Report Surplus Deficit	3526	3517	1249	-242	248	349	1874	2426	2830	-182	-66.5	3573	4165	4461
48 1976 Federal Report Surplus Deficit	2802	2206	1423	1371	2332	3195	2930	3778	3367	3742	3090	4554	3592	4271
49 1977 Federal Report Surplus Deficit	3650	3809	3259	612	358	-312	551	227	-665	-1432	-2153	-708	571	59.7
50 1978 Federal Report Surplus Deficit	1284	-1.57	-707	-466	220	832	1685	1943	1589	3426	1205	3339	2591	3573
51 1979 Federal Report Surplus Deficit	2441	1117	1876	655	752	-130	1228	560	1852	-623	459	3313	1803	252
52 1980 Federal Report Surplus Deficit	692	-264	302	-14.2	251	-553	1266	542	-313	899	1783	4241	3634	2686
53 1981 Federal Report Surplus Deficit	654	-50.8	469	-116	791	2209	2573	3357	886	-1368	-698	3214	4175	4051
54 1982 Federal Report Surplus Deficit	3488	3081	950	126	1084	903	2423	4104	4285	3383	1685	4083	4203	4524
55 1983 Federal Report Surplus Deficit	3623	3404	2072	1265	1135	1423	2646	3699	3859	2397	1108	3387	3371	4278
56 1984 Federal Report Surplus Deficit	3284	3034	1411	369	2575	1773	2523	3200	3421	2125	3682	3370	4136	4181
57 1985 Federal Report Surplus Deficit	2974	1212	1378	388	1044	954	1437	1553	828	1825	2446	2888	1633	996
58 1986 Federal Report Surplus Deficit	202	-374	272	692	1613	1173	2142	3463	4115	3441	3327	2680	3402	2044
59 1987 Federal Report Surplus Deficit	1757	103	71.3	-300	914	1051	1023	292	1354	-731	2.09	2978	1594	10.4
60 1988 Federal Report Surplus Deficit	641	-303	-133	-222	120	-569	-953	-323	-203	-1265	-581	-153	1636	2039
61 1989 Federal Report Surplus Deficit	1405	316	188	-181	403	510	36.4	-1233	1686	1396	3963	2738	1920	1374
62 1990 Federal Report Surplus Deficit	740	133	128	-1.80	825	1525	1816	3107	2322	1209	3362	2691	3473	3187
63 1991 Federal Report Surplus Deficit	2909	1929	200	-201	2530	2044	2654	3213	2444	1652	836	2892	3430	4196
64 1992 Federal Report Surplus Deficit	3447	2401	339	-168	366	-569	594	455	557	-1422	-1109	2092	1006	-94.2
65 1993 Federal Report Surplus Deficit	891	-162	-279	-211	445	-111	-460	-1453	895	-301	-1395	3630	2885	2344
66 1994 Federal Report Surplus Deficit	1224	432	193	24.2	618	0.43	-348	297	-236	-1312	100	1361	1319	1709
67 1995 Federal Report Surplus Deficit	1185	-78.6	21.7	-171	28.5	-12.0	1059	1965	2557	310	-1350	2910	3594	3335
68 1996 Federal Report Surplus Deficit	1827	494	928	1240	3026	3150	3241	4102	4217	3403	4447	4022	3767	4124
69 1997 Federal Report Surplus Deficit	3304	2654	898	163	939	1847	3282	3904	4324	3698	4492	4461	4148	4243
70 1998 Federal Report Surplus Deficit	3220	3358	1985	2919	2037	986	1449	2966	1616	-536	-642	4160	4079	3516
71 1999 Federal Report Surplus Deficit	2920	2077	202	-33.5	79.6	1704	2883	3843	4059	1823	2893	3366	4072	4326
72 2000 Federal Report Surplus Deficit	3752	3627	1245	174	2728	2287	1968	2466	2456	3091	4003	3149	1418	3028
73 2001 Federal Report Surplus Deficit	2668	-26.8	78.4	2.52	291	-379	359	-169	-504	-1457	-2079	-173	564	529
74 2002 Federal Report Surplus Deficit	1460	-94.5	-530	-493	235	392	15.3	132	507	884	2951	2327	3807	3969
75 2003 Federal Report Surplus Deficit	1391	693	234	121	549	-200	78.4	846	2314	504	374	1168	3562	1576
76 2004 Federal Report Surplus Deficit	202	-361	-435	-144	906	924	538	-177	649	177	11.7	1742	2511	1588
77 2005 Federal Report Surplus Deficit	432	419	1145	561	743	1294	1483	2346	715	-1497	-1259	1796	2215	2166

Federal Report Surplus Deficit By Water Year

Operating Year 2025

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	1380	127	-87.6	-38.3	935	930	2355	3360	2203	3704	3913	3997	3805	2853
79 2007 Federal Report Surplus Deficit	886	-201	-583	-206	854	1003	1981	1684	3374	1804	295	3270	2798	2927
80 2008 Federal Report Surplus Deficit	775	-354	-750	8.08	810	168	695	793	902	-302	-1066	3455	4475	3873
Ranked Averages														
81 Bottom 10 pct	403	-125	111	26.0	573	819	1327	1863	1540	151	236	1817	2697	2610
82 Middle 80 pct	2103	1017	482	293	872	993	1557	1976	1901	1274	1468	2972	3186	2858
83 Top 10 pct	3580	3458	1739	392	1074	917	1675	2215	1964	902	597	2407	2804	2781

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Federal Report Surplus Deficit By Water Year

Operating Year 2026

2018 White Book Report Date: 12/1/2018

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	1506	1212	313	-42.6	168	-396	-26.7	69.5	6.88	-1163	-1705	708	3974	259
2 1930 Federal Report Surplus Deficit	1034	234	226	-5.87	309	-341	-1098	167	-63.8	-585	-956	818	2235	1803
3 1931 Federal Report Surplus Deficit	1346	346	38.6	-11.0	213	-148	-988	18.1	31.1	-871	-1852	1090	1930	1706
4 1932 Federal Report Surplus Deficit	1709	366	106	-362	-228	-304	-49.0	-1894	2071	2421	4085	5152	4760	3453
5 1933 Federal Report Surplus Deficit	1815	1278	822	-4.61	-28.3	1449	2356	2999	2096	1062	445	3830	5559	4413
6 1934 Federal Report Surplus Deficit	3359	2855	971	783	2755	3017	3306	3933	3857	4087	4177	4165	3882	959
7 1935 Federal Report Surplus Deficit	336	270	-309	-129	-392	264	2260	2702	2223	-352	849	3384	3160	3511
8 1936 Federal Report Surplus Deficit	3130	514	61.1	-155	114	-336	-949	-752	338	-500	3227	5300	4446	2506
9 1937 Federal Report Surplus Deficit	864	-0.80	-230	13.6	430	-182	-1209	-1239	-364	-1033	-1578	1234	3346	1285
10 1938 Federal Report Surplus Deficit	1192	66.4	288	-60.8	38.1	688	1796	2055	3214	2959	4304	4907	4049	3686
11 1939 Federal Report Surplus Deficit	592	-121	564	-39.9	-26.7	-432	1218	1242	1124	301	1680	3315	2636	2005
12 1940 Federal Report Surplus Deficit	611	-71.3	-83.7	41.3	440	846	1332	747	2648	1660	745	3602	2653	244
13 1941 Federal Report Surplus Deficit	380	-418	56.9	-275	402	547	462	487	888	-1000	-1866	778	2674	1461
14 1942 Federal Report Surplus Deficit	1404	85.4	469	-361	725	1976	1918	1928	30.8	-413	-71.6	2115	4600	3903
15 1943 Federal Report Surplus Deficit	2172	1493	1046	69.2	-217	251	2561	2860	2984	4526	4680	4076	5483	4494
16 1944 Federal Report Surplus Deficit	2313	950	338	-172	142	-385	581	93.1	-486	-1226	-2114	684	2175	370
17 1945 Federal Report Surplus Deficit	1230	-326	-38.7	-289	118	-218	-641	-202	-120	-1073	-1866	3280	4607	728
18 1946 Federal Report Surplus Deficit	1205	67.6	136	-209	275	786	1638	2158	2409	3611	4578	4934	4099	4029
19 1947 Federal Report Surplus Deficit	2826	1779	760	-218	783	2991	3050	3390	3263	2575	1601	4803	4422	3758
20 1948 Federal Report Surplus Deficit	1753	747	588	2780	2047	1904	2942	3252	2284	1778	3391	5673	5447	4071
21 1949 Federal Report Surplus Deficit	3386	2915	1094	338	488	620	1617	1851	3357	2717	3817	5137	4015	902
22 1950 Federal Report Surplus Deficit	149	-476	-135	-181	32.4	890	2894	3565	3801	3752	2701	4483	5471	4620
23 1951 Federal Report Surplus Deficit	3364	2717	1133	1116	2305	3086	3361	4298	4134	4043	3731	4936	4314	4292
24 1952 Federal Report Surplus Deficit	2999	866	748	2217	1401	1942	2861	3492	2314	3793	4737	5559	4492	3729
25 1953 Federal Report Surplus Deficit	1976	320	-252	-64.8	140	-338	726	4037	1574	-1222	-281	3957	5665	4423
26 1954 Federal Report Surplus Deficit	2269	1349	761	268	771	1307	2643	3809	2902	1737	1543	4905	4973	4549
27 1955 Federal Report Surplus Deficit	3589	3648	2652	419	1530	1295	1010	1160	-477	-907	-1018	3251	5568	4585
28 1956 Federal Report Surplus Deficit	3270	2113	658	575	1904	3040	3334	4254	4240	3537	4720	5548	5376	4211
29 1957 Federal Report Surplus Deficit	3052	2454	838	542	438	1489	1768	1195	2788	3477	1963	5722	5463	2981
30 1958 Federal Report Surplus Deficit	2231	144	162	-109	268	540	2352	2757	2065	867	2663	5336	4966	2638
31 1959 Federal Report Surplus Deficit	1922	369	233	276	1388	2629	3249	3955	2668	3004	1669	4260	5026	4402
32 1960 Federal Report Surplus Deficit	3321	3052	2840	3614	2815	2435	2478	2606	2404	4047	3326	3445	4669	3457
33 1961 Federal Report Surplus Deficit	2709	319	367	211	703	845	2187	2999	3449	2759	797	4549	5110	2837
34 1962 Federal Report Surplus Deficit	1883	724	111	-197	301	793	2275	2767	722	1337	4243	4289	4192	2796
35 1963 Federal Report Surplus Deficit	2331	1096	279	870	1537	2354	2467	2846	902	-134	-762	3561	4774	3328
36 1964 Federal Report Surplus Deficit	1939	580	970	-185	315	802	1511	1651	186	1039	233	4371	5659	4528
37 1965 Federal Report Surplus Deficit	3201	2723	1640	1182	1246	3055	3502	4312	4029	1174	4503	5087	4698	3792
38 1966 Federal Report Surplus Deficit	3205	2540	342	410	536	1045	2068	2342	894	1696	872	2943	4050	3278

Federal Report Surplus Deficit By Water Year

Operating Year 2026

2018 White Book Report Date: **12/1/2018** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	2454	452	324	-248	73.5	1548	2965	3665	3035	1423	-655	4147	5311	4240
40 1968 Federal Report Surplus Deficit	2772	2002	935	224	941	1026	2387	3222	3181	-1024	-994	2854	4636	3619
41 1969 Federal Report Surplus Deficit	2936	2514	1954	1248	2070	1959	3282	3955	3128	3530	4436	5501	4837	3787
42 1970 Federal Report Surplus Deficit	1483	462	467	415	588	306	2247	2981	1394	-648	-861	3943	5226	2676
43 1971 Federal Report Surplus Deficit	1476	190	-47.6	-153	268	941	3454	4099	4166	3611	3345	5520	5502	4446
44 1972 Federal Report Surplus Deficit	3363	3242	1154	600	645	1383	3233	4313	4623	4499	2729	5358	5295	4443
45 1973 Federal Report Surplus Deficit	3434	3455	1292	490	764	963	2023	2388	694	-1234	-2107	712	2734	1013
46 1974 Federal Report Surplus Deficit	1402	-328	-70.7	-179	56.9	2037	3491	4041	4559	4180	4546	5156	5441	4647
47 1975 Federal Report Surplus Deficit	3453	3443	1235	-265	124	404	2154	2572	3087	8.50	141	4643	5384	4657
48 1976 Federal Report Surplus Deficit	2747	2157	1402	1431	2290	3080	3209	4000	3553	3987	3282	5546	4780	4406
49 1977 Federal Report Surplus Deficit	3624	3756	3168	636	240	-267	688	539	-498	-1242	-2021	521	1921	278
50 1978 Federal Report Surplus Deficit	1236	-83.8	-685	-493	95.7	913	1927	2100	1896	3630	1419	4426	3778	3769
51 1979 Federal Report Surplus Deficit	2397	1064	1836	686	653	-86.0	1463	745	2075	-411	652	4391	3027	469
52 1980 Federal Report Surplus Deficit	632	-361	310	-15.3	132	-525	1499	729	-130	1127	1984	5302	4787	2904
53 1981 Federal Report Surplus Deficit	591	-139	471	-117	697	2284	2862	3584	1108	-1178	-491	4285	5387	4216
54 1982 Federal Report Surplus Deficit	3413	3027	942	128	1003	970	2682	4307	4448	3632	1896	5156	5359	4661
55 1983 Federal Report Surplus Deficit	3515	3349	2030	1313	1054	1494	2917	3942	4066	2670	1301	4482	4580	4453
56 1984 Federal Report Surplus Deficit	3212	2980	1394	381	2529	1847	2790	3425	3675	2369	3909	4476	5311	4341
57 1985 Federal Report Surplus Deficit	2913	1160	1361	400	957	1021	1713	1694	1047	2077	2660	3958	2868	1218
58 1986 Federal Report Surplus Deficit	127	-499	279	719	1555	1245	2396	3746	4291	3725	3515	3772	4570	2267
59 1987 Federal Report Surplus Deficit	1718	19.1	83.6	-322	821	1120	1250	474	1578	-502	194	4056	2819	221
60 1988 Federal Report Surplus Deficit	579	-401	-120	-228	0.55	-542	-786	-156	-13.9	-1076	-374	1088	2870	2263
61 1989 Federal Report Surplus Deficit	1358	241	199	-193	286	569	241	-1100	1955	1674	4149	3813	3154	1605
62 1990 Federal Report Surplus Deficit	678	50.2	139	-3.50	730	1593	2100	3277	2536	1408	3544	3772	4670	3392
63 1991 Federal Report Surplus Deficit	2853	1880	210	-219	2483	2116	2954	3368	2658	1882	1018	3973	4637	4333
64 1992 Federal Report Surplus Deficit	3340	2352	346	-184	249	-543	814	640	773	-1232	-903	3181	2283	117
65 1993 Federal Report Surplus Deficit	837	-248	-264	-214	333	-66.3	-275	-1329	1115	-102	-1228	4744	4140	2454
66 1994 Federal Report Surplus Deficit	1188	361	205	20.5	516	50.9	-160	479	-47.8	-1123	308	2480	2567	1933
67 1995 Federal Report Surplus Deficit	1132	-164	31.7	-172	-101	35.6	1286	2175	2787	490	-1144	3995	4775	3548
68 1996 Federal Report Surplus Deficit	1788	422	922	1289	2932	3035	3464	4294	4419	3637	4666	5118	4979	4292
69 1997 Federal Report Surplus Deficit	3234	2600	893	166	847	1923	3491	4090	4557	3930	4718	5445	5352	4408
70 1998 Federal Report Surplus Deficit	3108	3303	1945	3012	1992	1053	1688	3181	1842	-338	-436	5247	5275	3744
71 1999 Federal Report Surplus Deficit	2920	2024	213	-45.4	-51.9	1770	3164	4088	4301	2127	3063	4456	5262	4491
72 2000 Federal Report Surplus Deficit	3710	3550	1229	177	2673	2362	2219	2672	2670	3352	4192	4220	2684	3237
73 2001 Federal Report Surplus Deficit	2617	-113	90.2	-1.34	170	-338	536	52.0	-328	-1267	-1920	1066	1914	747
74 2002 Federal Report Surplus Deficit	1418	-185	-509	-520	113	449	45.8	433	789	1146	3128	3406	5001	4155
75 2003 Federal Report Surplus Deficit	1348	631	243	129	441	-157	279	1039	2540	692	568	2286	4745	1800
76 2004 Federal Report Surplus Deficit	127	-487	-415	-145	821	991	751	-6.45	867	380	207	2827	3709	1814
77 2005 Federal Report Surplus Deficit	363	349	1129	588	645	1361	1728	2553	934	-1307	-1085	2895	3406	2389

Federal Report Surplus Deficit By Water Year

Operating Year 2026

2018 White Book Report Date: **12/1/2018** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	1336	42.9	-71.3	-44.2	847	997	2666	3492	2421	3954	4122	5091	5037	3067
79 2007 Federal Report Surplus Deficit	830	-296	-560	-220	762	1071	2234	1887	3577	2009	504	4345	3977	3136
80 2008 Federal Report Surplus Deficit	716	-479	-724	15.5	715	220	913	985	1120	-103	-865	4545	5657	4061
Ranked Averages														
81 Bottom 10 pct	331	-225	120	28.9	470	880	1571	2059	1762	368	432	2939	3906	2818
82 Middle 80 pct	2050	949	483	301	774	1040	1795	2166	2115	1498	1667	4059	4387	3053
83 Top 10 pct	3516	3393	1705	405	984	980	1914	2429	2168	1124	775	3515	4031	2973

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	1662	1381	541	130	412	-194	-105	10.1	26.9	-1168	-1732	-340	2991	216
2 1930 Federal Report Surplus Deficit	1199	428	452	157	544	-137	-1179	155	-40.4	-598	-984	-318	1162	1747
3 1931 Federal Report Surplus Deficit	1510	537	265	145	445	47.1	-1072	3.51	49.5	-885	-1878	-19.1	822	1651
4 1932 Federal Report Surplus Deficit	1865	555	333	-187	23.6	-104	-158	-1832	2038	2342	4071	4193	3783	3418
5 1933 Federal Report Surplus Deficit	1970	1448	1062	163	224	1622	2156	2948	2127	1003	438	2886	4678	4430
6 1934 Federal Report Surplus Deficit	3550	3026	1213	914	2950	3373	3141	3880	3885	4055	4121	3164	2893	907
7 1935 Federal Report Surplus Deficit	521	459	-88.3	32.3	-127	452	2059	2652	2271	-380	819	2444	2157	3474
8 1936 Federal Report Surplus Deficit	3312	702	283	17.6	359	-136	-1029	-743	347	-520	3158	4344	3479	2452
9 1937 Federal Report Surplus Deficit	1034	200	-12.7	177	657	14.3	-1289	-1210	-323	-1038	-1606	132	2368	1229
10 1938 Federal Report Surplus Deficit	1352	263	516	110	288	868	1638	2052	3162	2851	4254	3941	3093	3656
11 1939 Federal Report Surplus Deficit	773	85.5	798	127	226	-224	1031	1271	1118	288	1654	2361	1596	1948
12 1940 Federal Report Surplus Deficit	788	131	137	197	662	1020	1179	718	2606	1624	715	2653	1621	200
13 1941 Federal Report Surplus Deficit	575	-205	283	-106	627	728	337	467	876	-1014	-1893	-344	1648	1406
14 1942 Federal Report Surplus Deficit	1560	281	705	-185	942	2133	1755	1882	49.2	-425	-106	1109	3624	3888
15 1943 Federal Report Surplus Deficit	2319	1650	1295	228	41.5	440	2386	2802	2891	4529	4647	3124	4490	4503
16 1944 Federal Report Surplus Deficit	2473	1122	565	8.98	388	-182	398	157	-442	-1232	-2037	-363	1098	319
17 1945 Federal Report Surplus Deficit	1393	-117	185	-114	361	-22.5	-730	-203	-90.6	-1079	-1842	2319	3635	675
18 1946 Federal Report Surplus Deficit	1367	268	359	-30.1	517	964	1643	1883	2339	3525	4537	3921	3135	4009
19 1947 Federal Report Surplus Deficit	2999	1949	999	-32.4	1000	3209	2837	3397	3262	2545	1588	3818	3447	3737
20 1948 Federal Report Surplus Deficit	1908	929	823	2854	2214	2076	2761	3203	2275	1684	3375	4856	4493	4059
21 1949 Federal Report Surplus Deficit	3577	3086	1342	488	719	801	1458	1807	3318	2647	3796	4164	3048	848
22 1950 Federal Report Surplus Deficit	344	-233	84.7	-2.17	283	1063	2686	3589	3640	3663	2680	3538	4477	4617
23 1951 Federal Report Surplus Deficit	3555	2886	1379	1237	2470	3341	3198	4244	4163	3994	3725	3980	3358	4288
24 1952 Federal Report Surplus Deficit	3176	1046	986	2306	1589	2114	2679	3437	2323	3660	4698	4633	3520	3695
25 1953 Federal Report Surplus Deficit	2132	506	-35.9	109	382	-137	542	3966	1577	-1228	-315	3018	4759	4409
26 1954 Federal Report Surplus Deficit	2429	1517	998	422	988	1478	2442	3747	2912	1745	1535	3895	3974	4584
27 1955 Federal Report Surplus Deficit	3749	3847	2956	567	1711	1466	871	1123	-433	-901	-1050	2326	4591	4591
28 1956 Federal Report Surplus Deficit	3461	2279	893	715	2073	3258	3142	4129	4243	3450	4681	4682	4400	4201
29 1957 Federal Report Surplus Deficit	3235	2622	1078	684	671	1666	1607	1156	2732	3385	1941	4861	4520	2929
30 1958 Federal Report Surplus Deficit	2389	341	387	65.1	509	723	2180	2710	2055	824	2640	4386	4021	2593
31 1959 Federal Report Surplus Deficit	2077	559	460	430	1576	2780	3061	3856	2657	2936	1649	3245	4014	4407
32 1960 Federal Report Surplus Deficit	3509	3222	3158	3655	3015	2598	2233	2707	2385	4029	3326	2493	3686	3411
33 1961 Federal Report Surplus Deficit	2877	505	597	366	923	1021	2015	2950	3472	2683	793	3544	4166	2787
34 1962 Federal Report Surplus Deficit	2038	906	336	-17.7	540	971	2100	2740	731	1274	4227	3344	3221	2743
35 1963 Federal Report Surplus Deficit	2492	1272	505	998	1718	2517	2281	2797	895	-149	-791	2622	3825	3289
36 1964 Federal Report Surplus Deficit	2095	765	1214	-8.32	553	979	1321	1667	216	993	200	3434	4736	4556
37 1965 Federal Report Surplus Deficit	3426	2893	1905	1298	1440	3385	3351	4275	4033	1047	4463	4157	3694	3758
38 1966 Federal Report Surplus Deficit	3392	2711	574	550	760	1216	1839	2404	897	1636	842	1985	3080	3236

Federal Report Surplus Deficit By Water Year

Operating Year 2027

2018 White Book Report Date: **12/1/2018** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	2616	640	552	-76.0	322	1719	2772	3620	3033	1408	-688	3189	4345	4239
40 1968 Federal Report Surplus Deficit	2943	2168	1179	372	1149	1197	2214	3171	3186	-1000	-1029	1906	3664	3583
41 1969 Federal Report Surplus Deficit	3113	2685	2236	1359	2236	2131	3066	3862	3284	3453	4368	4553	3799	3757
42 1970 Federal Report Surplus Deficit	1639	649	695	563	813	494	2077	2931	1357	-646	-884	3023	4227	2620
43 1971 Federal Report Surplus Deficit	1634	380	174	16.0	510	1116	3234	4026	4171	3515	3325	4713	4566	4439
44 1972 Federal Report Surplus Deficit	3554	3415	1400	740	870	1552	3058	4281	4614	4514	2706	4531	4369	4444
45 1973 Federal Report Surplus Deficit	3625	3648	1545	632	983	1138	1858	2339	691	-1240	-2028	-335	1708	960
46 1974 Federal Report Surplus Deficit	1560	-120	153	-11.4	308	2185	3321	3987	4543	4111	4471	4288	4480	4681
47 1975 Federal Report Surplus Deficit	3642	3634	1485	-79.6	371	590	1956	2583	3041	2.09	106	3701	4380	4629
48 1976 Federal Report Surplus Deficit	2919	2324	1659	1534	2456	3436	3012	3935	3578	3926	3263	4681	3807	4439
49 1977 Federal Report Surplus Deficit	3766	3926	3495	774	481	-70.9	633	384	-454	-1248	-1980	-581	786	228
50 1978 Federal Report Surplus Deficit	1400	116	-471	-304	343	1073	1767	2100	1800	3609	1378	3466	2806	3741
51 1979 Federal Report Surplus Deficit	2558	1235	2111	817	875	111	1311	717	2062	-440	632	3440	2018	420
52 1980 Federal Report Surplus Deficit	809	-147	537	148	374	-312	1348	700	-103	1083	1955	4368	3849	2854
53 1981 Federal Report Surplus Deficit	770	66.6	705	46.8	915	2450	2655	3514	1097	-1184	-525	3342	4390	4219
54 1982 Federal Report Surplus Deficit	3604	3198	1186	289	1207	1144	2505	4261	4496	3567	1858	4210	4418	4692
55 1983 Federal Report Surplus Deficit	3739	3522	2308	1427	1258	1664	2728	3856	4069	2581	1281	3515	3586	4446
56 1984 Federal Report Surplus Deficit	3400	3151	1646	531	2698	2014	2605	3357	3632	2308	3855	3497	4351	4349
57 1985 Federal Report Surplus Deficit	3090	1330	1614	551	1167	1195	1519	1710	1039	2008	2619	3015	1848	1164
58 1986 Federal Report Surplus Deficit	319	-256	507	854	1736	1414	2224	3620	4325	3625	3500	2807	3617	2211
59 1987 Federal Report Surplus Deficit	1873	220	307	-137	1037	1292	1105	449	1565	-547	175	3105	1809	178
60 1988 Federal Report Surplus Deficit	757	-186	102	-59.5	243	-328	-871	-165	7.34	-1082	-408	-25.7	1851	2207
61 1989 Federal Report Surplus Deficit	1521	433	424	-18.6	526	751	118	-1076	1896	1580	4136	2866	2135	1541
62 1990 Federal Report Surplus Deficit	857	250	363	161	948	1766	1898	3264	2533	1393	3535	2819	3688	3355
63 1991 Federal Report Surplus Deficit	3025	2046	435	-38.5	2653	2285	2736	3370	2655	1836	1009	3020	3645	4364
64 1992 Federal Report Surplus Deficit	3564	2518	575	-5.89	489	-328	676	612	768	-1238	-936	2219	1221	73.7
65 1993 Federal Report Surplus Deficit	1007	-44.4	-43.3	-48.9	568	130	-378	-1296	1106	-117	-1222	3758	3101	2512
66 1994 Federal Report Surplus Deficit	1341	549	429	187	741	241	-266	454	-25.3	-1128	273	1489	1534	1877
67 1995 Federal Report Surplus Deficit	1301	38.8	257	-8.27	152	229	1141	2122	2768	494	-1177	3037	3809	3503
68 1996 Federal Report Surplus Deficit	1943	612	1163	1403	3150	3391	3321	4257	4428	3587	4620	4149	3982	4292
69 1997 Federal Report Surplus Deficit	3420	2771	1134	326	1062	2088	3362	4062	4532	3881	4678	4588	4363	4411
70 1998 Federal Report Surplus Deficit	3336	3476	2221	3081	2160	1226	1531	3124	1827	-352	-470	4288	4295	3684
71 1999 Federal Report Surplus Deficit	3036	2194	437	129	203	1945	2966	3997	4269	2007	3066	3494	4287	4494
72 2000 Federal Report Surplus Deficit	3868	3744	1480	336	2851	2528	2050	2623	2666	3275	4176	3276	1633	3196
73 2001 Federal Report Surplus Deficit	2784	90.6	314	165	414	-138	441	-11.6	-293	-1273	-1907	-45.3	779	697
74 2002 Federal Report Surplus Deficit	1576	22.9	-295	-330	359	633	97.3	289	718	1068	3124	2455	4022	4137
75 2003 Federal Report Surplus Deficit	1507	810	470	284	672	41.4	160	1003	2525	687	546	1295	3777	1744
76 2004 Federal Report Surplus Deficit	318	-244	-200	18.5	1029	1165	620	-20.0	860	361	184	1870	2726	1756
77 2005 Federal Report Surplus Deficit	548	537	1381	723	866	1535	1565	2503	925	-1313	-1086	1923	2430	2334

Federal Report Surplus Deficit By Water Year

Operating Year 2027

2018 White Book Report Date: **12/1/2018** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	1496	244	148	124	1059	1171	2437	3517	2413	3888	4085	4125	4020	3021
79 2007 Federal Report Surplus Deficit	1002	-83.7	-348	-43.0	977	1244	2063	1842	3585	1988	467	3397	3013	3095
80 2008 Federal Report Surplus Deficit	891	-236	-514	171	933	409	777	951	1112	-118	-893	3583	4690	4041
Ranked Averages														
81 Bottom 10 pct	519	-7.67	347	188	696	1060	1409	2020	1750	335	409	1944	2912	2778
82 Middle 80 pct	2219	1134	717	455	995	1234	1638	2133	2112	1457	1642	3100	3401	3026
83 Top 10 pct	3696	3576	1974	554	1198	1158	1757	2372	2174	1085	770	2535	3019	2949

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Federal Report Surplus Deficit By Water Year

Operating Year 2028

2018 White Book Report Date: 12/1/2018

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	1662	1365	485	68.5	443	-251	-158	161	32.8	-1210	-1792	712	3926	134
2 1930 Federal Report Surplus Deficit	1190	388	398	105	585	-196	-1230	259	-37.8	-632	-1043	822	2186	1678
3 1931 Federal Report Surplus Deficit	1502	499	210	100	488	-2.09	-1120	110	57.1	-919	-1939	1095	1881	1581
4 1932 Federal Report Surplus Deficit	1865	519	278	-251	47.3	-158	-180	-1802	2097	2373	3998	5157	4711	3328
5 1933 Federal Report Surplus Deficit	1971	1432	994	107	247	1594	2225	3090	2122	1014	357	3835	5511	4288
6 1934 Federal Report Surplus Deficit	3515	3008	1143	894	3030	3162	3175	4025	3883	4039	4090	4169	3834	834
7 1935 Federal Report Surplus Deficit	492	423	-137	-17.6	-116	409	2129	2794	2249	-399	762	3389	3112	3385
8 1936 Federal Report Surplus Deficit	3286	668	233	-43.6	389	-190	-1080	-661	364	-547	3140	5305	4397	2381
9 1937 Federal Report Surplus Deficit	1020	152	-58.2	125	705	-36.1	-1340	-1148	-338	-1080	-1665	1238	3297	1159
10 1938 Federal Report Surplus Deficit	1348	220	460	50.3	313	834	1665	2146	3240	2912	4217	4912	4001	3560
11 1939 Federal Report Surplus Deficit	748	31.8	736	71.2	249	-287	1087	1334	1149	254	1593	3320	2588	1879
12 1940 Federal Report Surplus Deficit	767	81.9	88.2	152	715	991	1201	838	2674	1612	658	3606	2605	119
13 1941 Federal Report Surplus Deficit	536	-264	229	-164	678	692	330	578	914	-1047	-1953	783	2626	1336
14 1942 Federal Report Surplus Deficit	1560	239	641	-250	1000	2121	1786	2020	56.7	-460	-159	2120	4551	3778
15 1943 Federal Report Surplus Deficit	2328	1646	1218	180	57.9	396	2430	2951	3010	4479	4593	4081	5434	4369
16 1944 Federal Report Surplus Deficit	2469	1103	510	-60.8	417	-240	450	185	-460	-1274	-2201	689	2126	245
17 1945 Federal Report Surplus Deficit	1386	-173	133	-178	394	-72.1	-773	-111	-94.3	-1120	-1953	3285	4558	602
18 1946 Federal Report Surplus Deficit	1361	221	308	-98.1	551	932	1506	2249	2435	3564	4491	4939	4051	3904
19 1947 Federal Report Surplus Deficit	2982	1932	932	-107	1058	3136	2918	3482	3289	2528	1514	4808	4373	3632
20 1948 Federal Report Surplus Deficit	1909	900	760	2891	2322	2050	2810	3343	2310	1730	3304	5677	5399	3945
21 1949 Federal Report Surplus Deficit	3543	3068	1266	449	763	765	1486	1943	3383	2669	3730	5141	3967	777
22 1950 Federal Report Surplus Deficit	305	-322	37.4	-70.2	308	1035	2762	3656	3827	3704	2613	4487	5422	4495
23 1951 Federal Report Surplus Deficit	3520	2870	1305	1227	2580	3231	3229	4389	4159	3995	3644	4941	4266	4167
24 1952 Federal Report Surplus Deficit	3155	1019	920	2329	1676	2087	2729	3584	2340	3745	4650	5564	4444	3604
25 1953 Federal Report Surplus Deficit	2132	473	-80.6	46.4	415	-193	595	4129	1600	-1270	-368	3962	5616	4298
26 1954 Federal Report Surplus Deficit	2425	1503	933	379	1046	1452	2512	3900	2928	1689	1456	4910	4925	4424
27 1955 Federal Report Surplus Deficit	3745	3801	2823	530	1805	1440	879	1252	-451	-955	-1105	3256	5520	4460
28 1956 Federal Report Surplus Deficit	3426	2266	830	686	2179	3186	3203	4346	4266	3490	4631	5553	5327	4086
29 1957 Federal Report Surplus Deficit	3208	2607	1010	653	713	1635	1637	1287	2814	3430	1876	5726	5414	2855
30 1958 Federal Report Surplus Deficit	2387	297	334	2.43	543	685	2221	2849	2091	820	2576	5341	4917	2513
31 1959 Federal Report Surplus Deficit	2078	523	405	387	1664	2774	3118	4047	2694	2957	1582	4265	4977	4276
32 1960 Federal Report Surplus Deficit	3477	3205	3012	3725	3090	2580	2346	2698	2430	4000	3239	3450	4621	3332
33 1961 Federal Report Surplus Deficit	2865	472	539	322	979	990	2055	3090	3475	2712	710	4554	5062	2712
34 1962 Federal Report Surplus Deficit	2039	877	283	-86.1	577	939	2144	2858	747	1290	4156	4294	4144	2671
35 1963 Federal Report Surplus Deficit	2487	1250	451	981	1812	2499	2336	2937	928	-181	-849	3566	4726	3203
36 1964 Federal Report Surplus Deficit	2095	733	1142	-73.8	590	948	1379	1742	212	991	146	4375	5611	4403
37 1965 Federal Report Surplus Deficit	3357	2876	1812	1293	1521	3200	3371	4404	4055	1127	4416	5092	4650	3667
38 1966 Federal Report Surplus Deficit	3361	2693	514	521	811	1190	1936	2434	920	1649	785	2947	4001	3153

Federal Report Surplus Deficit By Water Year

Operating Year 2028

2018 White Book Report Date: 12/1/2018 *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	2610	605	496	-137	349	1694	2834	3756	3061	1375	-742	4151	5263	4115
40 1968 Federal Report Surplus Deficit	2928	2155	1107	335	1216	1171	2256	3313	3207	-1071	-1081	2859	4587	3494
41 1969 Federal Report Surplus Deficit	3092	2667	2126	1359	2345	2104	3150	4047	3154	3483	4349	5506	4789	3661
42 1970 Federal Report Surplus Deficit	1639	615	639	526	863	451	2116	3073	1420	-695	-948	3948	5177	2551
43 1971 Federal Report Surplus Deficit	1633	343	124	-42.4	543	1087	3323	4190	4192	3564	3258	5526	5453	4321
44 1972 Federal Report Surplus Deficit	3519	3395	1326	711	920	1528	3102	4404	4650	4452	2642	5363	5247	4318
45 1973 Federal Report Surplus Deficit	3590	3608	1464	601	1040	1109	1892	2479	720	-1282	-2194	717	2685	888
46 1974 Federal Report Surplus Deficit	1559	-175	101	-68.0	332	2183	3360	4133	4586	4132	4461	5162	5393	4522
47 1975 Federal Report Surplus Deficit	3610	3596	1407	-154	399	550	2022	2664	3113	-38.9	53.9	4648	5335	4532
48 1976 Federal Report Surplus Deficit	2903	2310	1574	1542	2566	3225	3078	4091	3579	3940	3195	5550	4731	4280
49 1977 Federal Report Surplus Deficit	3780	3910	3340	747	515	-122	557	631	-472	-1289	-2108	526	1872	152
50 1978 Federal Report Surplus Deficit	1392	69.4	-513	-382	371	1058	1796	2192	1922	3583	1332	4430	3730	3644
51 1979 Federal Report Surplus Deficit	2553	1217	2008	797	928	59.5	1331	837	2101	-459	565	4395	2979	344
52 1980 Federal Report Surplus Deficit	788	-208	482	95.8	407	-380	1367	821	-104	1080	1897	5307	4738	2779
53 1981 Federal Report Surplus Deficit	747	14.0	642	-5.95	972	2429	2731	3676	1134	-1226	-578	4290	5339	4091
54 1982 Federal Report Surplus Deficit	3570	3180	1114	240	1278	1116	2551	4398	4475	3584	1809	5160	5310	4535
55 1983 Federal Report Surplus Deficit	3671	3502	2202	1424	1329	1639	2785	4034	4092	2623	1214	4487	4531	4327
56 1984 Federal Report Surplus Deficit	3368	3133	1565	492	2804	1992	2659	3516	3701	2322	3822	4481	5263	4216
57 1985 Federal Report Surplus Deficit	3069	1313	1533	511	1232	1167	1582	1785	1072	2030	2573	3963	2819	1092
58 1986 Federal Report Surplus Deficit	283	-346	451	830	1830	1390	2265	3837	4317	3677	3427	3777	4522	2142
59 1987 Federal Report Surplus Deficit	1874	172	255	-211	1096	1266	1119	566	1604	-550	107	4061	2771	95.8
60 1988 Federal Report Surplus Deficit	735	-247	51.6	-117	276	-397	-918	-64.5	12.0	-1123	-461	1093	2821	2138
61 1989 Federal Report Surplus Deficit	1514	394	370	-81.7	561	715	110	-1008	1981	1626	4062	3818	3106	1480
62 1990 Federal Report Surplus Deficit	834	203	311	108	1006	1739	1969	3368	2562	1360	3457	3777	4622	3267
63 1991 Federal Report Surplus Deficit	3009	2033	382	-108	2759	2261	2822	3460	2684	1834	931	3978	4589	4208
64 1992 Federal Report Surplus Deficit	3496	2505	518	-72.5	524	-397	682	732	799	-1280	-990	3186	2234	-8.09
65 1993 Federal Report Surplus Deficit	993	-95.0	-92.0	-103	609	79.1	-407	-1238	1141	-150	-1315	4748	4091	2329
66 1994 Federal Report Surplus Deficit	1345	514	377	132	791	196	-291	571	-21.9	-1170	221	2485	2518	1808
67 1995 Federal Report Surplus Deficit	1288	-10.9	204	-60.7	175	181	1155	2267	2813	443	-1231	4000	4727	3422
68 1996 Federal Report Surplus Deficit	1944	575	1093	1401	3207	3181	3334	4386	4446	3590	4579	5123	4930	4167
69 1997 Federal Report Surplus Deficit	3390	2753	1065	277	1122	2069	3359	4181	4584	3882	4629	5451	5303	4283
70 1998 Federal Report Surplus Deficit	3264	3456	2117	3123	2267	1199	1556	3272	1868	-385	-523	5252	5226	3619
71 1999 Federal Report Surplus Deficit	3076	2178	385	65.7	223	1916	3032	4180	4328	2080	2976	4461	5214	4365
72 2000 Federal Report Surplus Deficit	3866	3703	1401	288	2948	2507	2088	2764	2696	3304	4105	4225	2636	3112
73 2001 Federal Report Surplus Deficit	2773	39.8	262	110	446	-193	405	143	-302	-1315	-2007	1071	1865	621
74 2002 Federal Report Surplus Deficit	1574	-31.6	-337	-409	388	594	-85.5	525	815	1098	3041	3411	4952	4030
75 2003 Federal Report Surplus Deficit	1504	784	415	240	717	-11.7	147	1131	2566	645	481	2291	4696	1675
76 2004 Federal Report Surplus Deficit	283	-333	-243	-33.8	1096	1137	620	85.0	893	333	120	2831	3661	1689
77 2005 Federal Report Surplus Deficit	519	502	1301	699	920	1506	1597	2644	959	-1354	-1173	2900	3357	2264

Federal Report Surplus Deficit By Water Year

Operating Year 2028

2018 White Book Report Date: **12/1/2018** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	1492	196	101	66.9	1122	1143	2535	3584	2447	3906	4035	5096	4989	2942
79 2007 Federal Report Surplus Deficit	987	-143	-388	-109	1037	1217	2102	1978	3603	1961	417	4349	3928	3010
80 2008 Federal Report Surplus Deficit	872	-326	-552	127	990	365	781	1077	1146	-150	-952	4550	5609	3936
Ranked Averages														
81 Bottom 10 pct	487	-71.8	291	140	745	1025	1439	2151	1788	321	345	2944	3857	2692
82 Middle 80 pct	2206	1102	655	412	1049	1185	1663	2258	2141	1451	1580	4063	4339	2928
83 Top 10 pct	3672	3546	1877	516	1260	1126	1783	2521	2194	1077	688	3520	3982	2848

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Federal Report Surplus Deficit By Water Year

Operating Year 2029

2018 White Book Report Date: 12/1/2018

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	1700	1496	490	50.9	461	-310	-73.9	-4.74	26.0	-1194	-1803	-309	2946	125
2 1930 Federal Report Surplus Deficit	1237	543	401	78.7	592	-253	-1147	140	-41.3	-623	-1055	-288	1117	1656
3 1931 Federal Report Surplus Deficit	1548	652	214	66.0	494	-69.2	-1041	-11.3	48.5	-911	-1949	11.4	777	1560
4 1932 Federal Report Surplus Deficit	1902	670	282	-266	72.1	-220	-127	-1847	2037	2317	4000	4224	3738	3327
5 1933 Federal Report Surplus Deficit	2008	1563	1011	84.4	273	1506	2187	2933	2126	978	367	2917	4633	4339
6 1934 Federal Report Surplus Deficit	3588	3141	1162	835	2999	3256	3173	3865	3885	4030	4050	3194	2848	816
7 1935 Federal Report Surplus Deficit	559	574	-139	-46.3	-79.0	336	2090	2637	2270	-405	748	2475	2112	3383
8 1936 Federal Report Surplus Deficit	3350	817	232	-61.1	407	-252	-998	-757	346	-545	3087	4374	3434	2361
9 1937 Federal Report Surplus Deficit	1072	315	-63.4	98.0	706	-102	-1258	-1224	-324	-1064	-1676	163	2323	1138
10 1938 Federal Report Surplus Deficit	1390	378	465	31.1	337	751	1669	2037	3161	2826	4183	3971	3048	3566
11 1939 Federal Report Surplus Deficit	811	200	747	48.3	274	-341	1062	1256	1117	263	1583	2391	1551	1857
12 1940 Federal Report Surplus Deficit	826	246	86.4	119	711	904	1210	704	2605	1599	644	2684	1576	110
13 1941 Federal Report Surplus Deficit	613	-89.9	233	-184	675	612	368	452	875	-1039	-1964	-314	1603	1315
14 1942 Federal Report Surplus Deficit	1598	396	654	-264	991	2017	1786	1867	48.3	-450	-177	1140	3579	3797
15 1943 Federal Report Surplus Deficit	2357	1765	1244	149	90.0	324	2417	2788	2890	4504	4576	3154	4445	4413
16 1944 Federal Report Surplus Deficit	2511	1237	515	-69.7	437	-298	429	142	-443	-1258	-2108	-333	1053	228
17 1945 Federal Report Surplus Deficit	1431	-2.22	135	-193	410	-139	-699	-218	-91.5	-1104	-1913	2350	3590	584
18 1946 Federal Report Surplus Deficit	1405	383	308	-109	565	848	1674	1869	2338	3500	4467	3952	3090	3919
19 1947 Federal Report Surplus Deficit	3036	2064	949	-111	1049	3093	2869	3382	3261	2520	1517	3849	3402	3647
20 1948 Federal Report Surplus Deficit	1946	1044	772	2775	2262	1960	2792	3188	2274	1658	3304	4888	4449	3968
21 1949 Federal Report Surplus Deficit	3615	3201	1291	409	767	684	1489	1792	3318	2622	3725	4195	3003	758
22 1950 Federal Report Surplus Deficit	382	-118	34.1	-80.9	332	946	2717	3574	3639	3638	2609	3569	4432	4526
23 1951 Federal Report Surplus Deficit	3593	3001	1328	1158	2518	3224	3231	4229	4162	3968	3654	4010	3313	4197
24 1952 Federal Report Surplus Deficit	3213	1161	936	2227	1637	1997	2710	3422	2323	3635	4627	4664	3475	3605
25 1953 Federal Report Surplus Deficit	2170	621	-86.5	30.5	431	-254	573	3951	1576	-1253	-386	3049	4714	4318
26 1954 Federal Report Surplus Deficit	2467	1632	948	343	1037	1362	2473	3732	2911	1720	1464	3926	3929	4493
27 1955 Federal Report Surplus Deficit	3786	3962	2906	488	1759	1350	903	1108	-434	-926	-1121	2357	4547	4501
28 1956 Federal Report Surplus Deficit	3498	2394	842	637	2121	3142	3174	4115	4242	3425	4609	4713	4355	4110
29 1957 Federal Report Surplus Deficit	3273	2737	1027	605	720	1550	1638	1141	2732	3360	1870	4891	4475	2839
30 1958 Federal Report Surplus Deficit	2426	456	337	-13.6	557	607	2211	2695	2054	799	2569	4417	3976	2502
31 1959 Federal Report Surplus Deficit	2115	674	409	351	1625	2664	3093	3842	2656	2910	1579	3276	3969	4316
32 1960 Federal Report Surplus Deficit	3547	3337	3107	3576	3064	2482	2264	2692	2384	4003	3255	2523	3641	3321
33 1961 Federal Report Surplus Deficit	2915	620	546	287	972	905	2046	2935	3471	2658	723	3575	4121	2697
34 1962 Federal Report Surplus Deficit	2076	1021	285	-96.4	588	855	2131	2726	730	1249	4156	3375	3176	2652
35 1963 Federal Report Surplus Deficit	2530	1387	455	919	1767	2400	2312	2782	894	-174	-862	2653	3780	3198
36 1964 Federal Report Surplus Deficit	2133	880	1163	-87.0	601	863	1353	1652	215	967	129	3464	4691	4465
37 1965 Federal Report Surplus Deficit	3464	3008	1854	1220	1488	3269	3384	4260	4032	1022	4392	4189	3649	3667
38 1966 Federal Report Surplus Deficit	3430	2826	523	471	809	1100	1870	2389	896	1611	771	2016	3035	3145

Federal Report Surplus Deficit By Water Year

Operating Year 2029

2018 White Book Report Date: 12/1/2018 *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	2653	755	502	-155	371	1603	2803	3605	3032	1382	-759	3220	4300	4149
40 1968 Federal Report Surplus Deficit	2981	2283	1128	293	1197	1081	2245	3156	3185	-1025	-1100	1937	3620	3492
41 1969 Federal Report Surplus Deficit	3151	2800	2185	1280	2284	2014	3098	3848	3283	3428	4297	4584	3754	3666
42 1970 Federal Report Surplus Deficit	1677	764	645	484	862	377	2109	2917	1357	-671	-955	3054	4182	2530
43 1971 Federal Report Surplus Deficit	1671	495	123	-62.7	558	1000	3267	4012	4171	3490	3254	4744	4522	4348
44 1972 Federal Report Surplus Deficit	3592	3530	1349	661	918	1435	3090	4268	4614	4489	2635	4563	4324	4353
45 1973 Federal Report Surplus Deficit	3663	3763	1494	553	1032	1021	1889	2324	690	-1266	-2099	-305	1663	870
46 1974 Federal Report Surplus Deficit	1598	-4.97	102	-90.0	357	2069	3353	3973	4543	4085	4401	4319	4435	4591
47 1975 Federal Report Surplus Deficit	3680	3749	1434	-158	419	474	1987	2569	3040	-23.2	35.4	3731	4335	4538
48 1976 Federal Report Surplus Deficit	2956	2439	1608	1455	2504	3319	3043	3920	3577	3900	3192	4712	3762	4349
49 1977 Federal Report Surplus Deficit	3804	4041	3444	695	529	-187	664	369	-455	-1273	-2051	-550	742	137
50 1978 Federal Report Surplus Deficit	1438	231	-522	-382	392	957	1798	2085	1799	3584	1307	3497	2761	3650
51 1979 Federal Report Surplus Deficit	2595	1350	2061	739	924	-5.04	1342	702	2061	-465	561	3471	1974	330
52 1980 Federal Report Surplus Deficit	846	-32.1	486	69.6	423	-428	1380	685	-104	1057	1885	4399	3804	2764
53 1981 Federal Report Surplus Deficit	808	182	654	-31.9	963	2333	2687	3500	1096	-1209	-596	3372	4345	4129
54 1982 Federal Report Surplus Deficit	3642	3313	1135	210	1256	1028	2536	4247	4495	3541	1787	4242	4373	4601
55 1983 Federal Report Surplus Deficit	3777	3637	2257	1348	1307	1548	2759	3841	4069	2556	1210	3545	3542	4355
56 1984 Federal Report Surplus Deficit	3438	3266	1596	453	2746	1898	2636	3342	3631	2283	3784	3528	4306	4259
57 1985 Federal Report Surplus Deficit	3128	1444	1563	472	1216	1078	1550	1695	1038	1983	2548	3046	1803	1073
58 1986 Federal Report Surplus Deficit	356	-142	456	776	1784	1298	2255	3606	4324	3600	3429	2838	3572	2121
59 1987 Federal Report Surplus Deficit	1911	335	256	-216	1086	1176	1136	435	1564	-572	104	3136	1764	87.7
60 1988 Federal Report Surplus Deficit	795	-71.1	51.4	-138	292	-444	-839	-180	6.42	-1107	-479	4.85	1806	2116
61 1989 Federal Report Surplus Deficit	1559	548	373	-97.3	575	634	150	-1091	1895	1555	4065	2896	2091	1451
62 1990 Federal Report Surplus Deficit	894	365	312	82.0	997	1650	1929	3249	2532	1368	3464	2849	3643	3264
63 1991 Federal Report Surplus Deficit	3063	2161	385	-117	2702	2169	2767	3355	2654	1810	938	3051	3600	4273
64 1992 Federal Report Surplus Deficit	3601	2633	524	-84.6	537	-445	708	597	767	-1263	-1007	2250	1176	-16.9
65 1993 Federal Report Surplus Deficit	1045	70.6	-93.9	-128	617	13.3	-347	-1310	1105	-143	-1293	3788	3056	2421
66 1994 Federal Report Surplus Deficit	1378	664	378	108	789	125	-235	439	-26.2	-1154	202	1519	1489	1787
67 1995 Federal Report Surplus Deficit	1339	154	207	-87.0	200	113	1172	2107	2767	468	-1248	3068	3765	3412
68 1996 Federal Report Surplus Deficit	1981	727	1113	1324	3198	3275	3353	4243	4427	3562	4549	4180	3937	4202
69 1997 Federal Report Surplus Deficit	3458	2886	1083	247	1111	1972	3394	4047	4532	3856	4606	4619	4318	4320
70 1998 Federal Report Surplus Deficit	3374	3591	2170	3002	2208	1110	1563	3109	1826	-377	-541	4318	4250	3594
71 1999 Federal Report Surplus Deficit	3074	2309	387	50.3	251	1828	2997	3983	4268	1982	2995	3524	4242	4403
72 2000 Federal Report Surplus Deficit	3906	3859	1429	258	2900	2412	2081	2609	2665	3250	4105	3307	1588	3105
73 2001 Federal Report Surplus Deficit	2822	206	263	86.3	463	-254	472	-26.4	-294	-1298	-1978	-14.8	734	607
74 2002 Federal Report Surplus Deficit	1614	138	-345	-409	407	517	128	274	717	1043	3053	2485	3977	4047
75 2003 Federal Report Surplus Deficit	1545	925	419	205	721	-74.9	192	988	2524	662	475	1326	3733	1653
76 2004 Federal Report Surplus Deficit	356	-129	-250	-60.2	1077	1049	651	-34.8	859	336	114	1900	2682	1666
77 2005 Federal Report Surplus Deficit	586	652	1330	645	915	1419	1596	2488	924	-1338	-1157	1954	2385	2244

Federal Report Surplus Deficit By Water Year

Operating Year 2029

2018 White Book Report Date: **12/1/2018** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	1534	359	97.2	45.6	1107	1055	2468	3502	2413	3863	4014	4155	3975	2930
79 2007 Federal Report Surplus Deficit	1040	31.3	-399	-122	1026	1128	2094	1827	3584	1962	397	3428	2968	3004
80 2008 Federal Report Surplus Deficit	929	-121	-565	91.9	982	293	808	936	1111	-144	-964	3613	4645	3951
Ranked Averages														
81 Bottom 10 pct	557	107	296	110	745	944	1441	2005	1749	309	338	1975	2867	2688
82 Middle 80 pct	2257	1249	667	376	1044	1117	1669	2118	2111	1432	1571	3130	3356	2936
83 Top 10 pct	3734	3691	1924	475	1246	1041	1788	2357	2173	1060	699	2565	2974	2858

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Exhibit 22
Regional Report Surplus Deficit By Water Year
80 Water Year Regional Surplus/Deficit

Monthly 120-Hour Capacity
Operating Year 2020 to 2029
Using 1937-Water Conditions

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Regional Report Surplus Deficit By Water Year

Operating Year 2020

2018 White Book Report Date: 12/1/2018

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	5481	5040	5145	4689	3187	861	1352	2959	3084	2580	999	3778	8499	2876
2 1930 Regional Report Surplus Deficit	3621	2073	5138	4273	2639	604	-32.7	2985	2992	2418	1247	3737	6139	4805
3 1931 Regional Report Surplus Deficit	4296	2401	4974	4263	2371	822	61.6	2557	2796	2178	782	3449	5233	3773
4 1932 Regional Report Surplus Deficit	3277	1772	4439	3876	2104	728	1342	368	5673	6678	8311	9859	9814	6990
5 1933 Regional Report Surplus Deficit	5234	4084	6160	4475	2922	3199	4865	6946	5872	4808	3115	7755	10708	8417
6 1934 Regional Report Surplus Deficit	6467	5795	6142	5540	6466	5417	6673	8432	8715	9229	8008	8206	7903	3568
7 1935 Regional Report Surplus Deficit	2997	1741	4571	4064	2468	1592	4771	6602	6034	3186	3786	7436	7630	7079
8 1936 Regional Report Surplus Deficit	6186	3097	4603	4309	2948	746	217	1659	3302	2807	6714	9941	9523	5862
9 1937 Regional Report Surplus Deficit	4353	2506	5036	4331	2741	774	-246	806	2410	2356	517	4132	7825	4190
10 1938 Regional Report Surplus Deficit	4163	2147	5055	4348	2933	2285	4169	5829	7435	7441	8569	9555	8982	7372
11 1939 Regional Report Surplus Deficit	3468	2071	5579	4437	2913	906	3411	4687	4609	3893	4668	7676	6753	5047
12 1940 Regional Report Surplus Deficit	4105	2284	5443	4385	3167	2294	3452	4061	6801	5659	3448	7998	6602	2695
13 1941 Regional Report Surplus Deficit	2795	866	4900	4102	2808	1858	2088	3571	4111	1813	104	3400	6031	3757
14 1942 Regional Report Surplus Deficit	3088	1086	5039	4023	3701	4019	4272	5732	3205	2832	2220	5666	9674	7651
15 1943 Regional Report Surplus Deficit	4783	3933	6381	4525	2718	1774	5261	6949	6996	10071	9245	8535	10680	8498
16 1944 Regional Report Surplus Deficit	6109	3952	5488	4477	2626	1003	2354	3016	2722	2355	728	3421	5351	1858
17 1945 Regional Report Surplus Deficit	3071	584	4196	3558	2361	752	732	2587	3005	2326	1088	7035	9657	3604
18 1946 Regional Report Surplus Deficit	3508	1836	5131	4208	2991	2391	4068	5977	6121	8532	8947	9648	8989	7939
19 1947 Regional Report Surplus Deficit	5825	4588	6256	4510	3959	5464	6060	7788	7739	7008	4774	9345	9462	7455
20 1948 Regional Report Surplus Deficit	5412	3851	5572	7798	5476	4059	5871	7475	6132	5913	7325	10435	10107	7979
21 1949 Regional Report Surplus Deficit	6549	6263	6710	5062	3554	2056	3800	5571	7552	7144	7957	9920	8860	3832
22 1950 Regional Report Surplus Deficit	3355	1619	5195	4398	2901	2527	5856	7820	8286	8781	6160	8600	10817	8786
23 1951 Regional Report Surplus Deficit	6668	6226	6634	6128	6028	5731	6653	9003	8992	9305	7737	9512	9278	8212
24 1952 Regional Report Surplus Deficit	6011	3813	6072	7382	4774	4151	5668	7777	6260	8650	9284	10412	9548	7510
25 1953 Regional Report Surplus Deficit	5043	3218	4693	4453	2510	563	2797	8445	5210	2479	2491	8446	10801	8491
26 1954 Regional Report Surplus Deficit	5984	4707	6157	4970	3896	3237	5555	8128	7110	6002	4667	9423	9982	8653
27 1955 Regional Report Surplus Deficit	6728	6879	8970	5154	4785	3067	3055	4408	2250	2564	1119	6864	10766	8630
28 1956 Regional Report Surplus Deficit	6497	5067	5839	5445	5330	5553	6561	8466	8718	8462	9110	10189	10588	8331
29 1957 Regional Report Surplus Deficit	6468	5813	6250	5376	3537	3615	4188	4610	6810	8489	5271	10833	10705	6447
30 1958 Regional Report Surplus Deficit	4880	3380	5574	4429	3115	2063	5156	7043	5980	4874	6391	10098	10197	6021
31 1959 Regional Report Surplus Deficit	5358	3076	5111	4837	4606	5019	6392	8344	6844	7839	4843	8762	10068	8321
32 1960 Regional Report Surplus Deficit	6554	6302	9542	9005	6619	4768	5215	6729	6395	9543	7104	7622	9667	6948
33 1961 Regional Report Surplus Deficit	5641	3097	5158	4773	3790	2390	4721	7225	7981	7154	3390	8873	9808	6017
34 1962 Regional Report Surplus Deficit	5253	2873	5272	4407	3284	2207	4796	6868	3972	5690	8372	8731	9041	6076
35 1963 Regional Report Surplus Deficit	5230	3997	5187	5757	4859	4695	5152	7169	4294	3445	1743	8232	9900	6823
36 1964 Regional Report Surplus Deficit	4962	3379	6339	4390	3344	2381	3784	5264	3425	5070	2896	8597	10915	8649
37 1965 Regional Report Surplus Deficit	6516	5934	7124	5925	4421	5508	6546	8772	8643	5285	8950	9623	9683	7527
38 1966 Regional Report Surplus Deficit	6441	5915	5497	5223	3634	2832	4639	6249	4371	6089	3835	6761	8792	6667

Regional Report Surplus Deficit By Water Year

Operating Year 2020

2018 White Book Report Date: 12/1/2018 *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	5853	3111	5332	4281	3025	3516	5945	7939	7369	5515	1553	8430	10440	8211
40 1968 Regional Report Surplus Deficit	6031	5080	6120	4948	4113	2840	5235	7676	7791	2221	1155	6714	9741	7210
41 1969 Regional Report Surplus Deficit	6079	4851	7683	6170	5504	4115	6215	8240	7434	8606	8788	10288	9985	7540
42 1970 Regional Report Surplus Deficit	5009	3301	5625	5104	3633	1798	5034	7289	5172	2758	1471	8465	10351	6173
43 1971 Regional Report Surplus Deficit	4919	2855	5177	4486	3136	2586	6347	8544	8854	8413	7048	10218	10843	8640
44 1972 Regional Report Surplus Deficit	6634	6750	6703	5530	3942	3323	6297	8470	9687	10080	6396	10019	10216	8480
45 1973 Regional Report Surplus Deficit	6684	6782	6877	5339	4012	2808	4676	6363	4022	2521	461	3672	6110	3875
46 1974 Regional Report Surplus Deficit	3022	1145	4927	4318	3059	4186	6860	8532	9314	9165	8541	9240	10613	8831
47 1975 Regional Report Surplus Deficit	6705	6809	6589	4465	3221	2028	4871	6643	7370	3643	2644	9091	10652	8784
48 1976 Regional Report Surplus Deficit	6113	5677	6900	6505	5914	5724	6511	8407	8082	9053	6944	10203	9928	8494
49 1977 Regional Report Surplus Deficit	6946	7117	10580	5424	3311	1138	2496	3267	2571	2115	654	3238	4992	1489
50 1978 Regional Report Surplus Deficit	2636	473	3946	3145	2656	2638	4394	5939	5539	8528	4711	9330	8472	7505
51 1979 Regional Report Surplus Deficit	4772	2947	7989	5342	3709	1360	3376	4026	6035	2893	3284	9255	7304	3167
52 1980 Regional Report Surplus Deficit	3419	2057	5441	4407	2896	752	3745	4073	3239	4967	5551	10468	9991	6353
53 1981 Regional Report Surplus Deficit	3285	2365	5533	4331	3654	4674	5889	7937	4630	2249	1875	8705	10446	8008
54 1982 Regional Report Surplus Deficit	6535	6007	5951	4819	4111	2749	5520	8680	9520	8634	4779	9570	10732	8833
55 1983 Regional Report Surplus Deficit	6688	6645	7771	6348	4337	3583	5926	8262	8815	7280	4150	8865	9676	8496
56 1984 Regional Report Surplus Deficit	6610	5532	6878	5276	6393	4044	5769	7758	8089	6827	7455	8885	10707	8375
57 1985 Regional Report Surplus Deficit	6533	4425	6847	5372	4380	2814	4117	5391	4449	6412	6003	8377	7002	4135
58 1986 Regional Report Surplus Deficit	3386	1363	5605	5607	4956	2944	5141	7818	9455	8692	7349	8114	9477	5567
59 1987 Regional Report Surplus Deficit	4445	2462	5091	4358	3866	2866	3390	3581	5405	2895	2729	8278	6797	2836
60 1988 Regional Report Surplus Deficit	3157	1203	4629	4020	1915	499	413	2386	2857	2456	2103	4197	6887	5351
61 1989 Regional Report Surplus Deficit	3810	2249	4824	4092	3088	1895	1799	1592	5556	5887	8167	8189	7567	4605
62 1990 Regional Report Surplus Deficit	3316	2103	5092	4410	3722	3399	4704	7371	6461	5608	7581	7940	9677	6925
63 1991 Regional Report Surplus Deficit	6132	5285	5317	4255	5910	4161	5709	7599	6653	6014	3602	8123	9569	8142
64 1992 Regional Report Surplus Deficit	6515	5409	5242	4304	3166	677	2649	3739	3967	1953	1112	6796	5450	1914
65 1993 Regional Report Surplus Deficit	2437	624	4134	3846	2538	932	952	749	4240	3081	1071	8964	8742	5768
66 1994 Regional Report Surplus Deficit	4429	2841	5356	4216	2856	1029	1233	3363	3007	2211	2903	5923	6101	4947
67 1995 Regional Report Surplus Deficit	3407	1299	4914	4104	2203	1194	3429	6068	7184	3966	1030	8725	9956	7185
68 1996 Regional Report Surplus Deficit	4765	2974	6053	6047	6762	5611	6841	9095	9566	9005	9523	9875	10112	8305
69 1997 Regional Report Surplus Deficit	6549	5506	6113	4834	3950	4154	6848	8586	9511	9131	9193	10062	10119	8525
70 1998 Regional Report Surplus Deficit	6544	6769	7826	8336	5467	2924	4256	7466	5811	3128	2024	10039	10531	7427
71 1999 Regional Report Surplus Deficit	5978	3557	5232	4633	2892	4014	6244	8114	9297	6392	6739	8821	10660	8677
72 2000 Regional Report Surplus Deficit	7052	7045	6849	4893	6297	4754	4971	6717	6853	8356	8582	8649	7002	6747
73 2001 Regional Report Surplus Deficit	5636	2317	4709	4624	3054	901	1980	2787	2719	2079	696	3427	5159	2341
74 2002 Regional Report Surplus Deficit	3105	613	3765	3069	2558	1640	1590	3424	4053	5119	6881	7459	10038	7917
75 2003 Regional Report Surplus Deficit	5105	3329	5259	4374	3152	934	1884	4297	6665	4369	3254	5982	9764	4849
76 2004 Regional Report Surplus Deficit	3175	1190	4645	4063	3153	2324	2353	2894	4241	3662	2658	6791	8343	4929
77 2005 Regional Report Surplus Deficit	3868	2781	6685	4921	3370	2853	3886	6332	4113	2038	1161	7080	7902	5694

Regional Report Surplus Deficit By Water Year

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	4432	1680	5139	3935	3561	2393	5527	7762	6433	9002	8007	9733	10304	6491
79 2007 Regional Report Surplus Deficit	3818	2108	4770	3982	3581	2626	4727	5625	8272	5971	3107	8681	8585	6658
80 2008 Regional Report Surplus Deficit	4261	1790	4685	4115	2845	1181	2584	4009	4451	3526	1600	8849	10854	7969
Ranked Averages														
81 Bottom 10 pct	2894	891	4435	3765	2769	2202	3207	4642	4938	4506	3550	7316	8857	6514
82 Middle 80 pct	5077	3536	5702	4915	3754	2694	4203	5991	6055	5554	4849	8247	9113	6389
83 Top 10 pct	6763	6782	7621	5410	4492	3304	4868	6642	6320	5733	3968	7489	8587	6839

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Regional Report Surplus Deficit By Water Year

Operating Year 2021

2018 White Book Report Date: 12/1/2018

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	4300	3253	5372	4549	3059	-71.5	-96.7	1091	1746	1478	-834	2724	6259	1401
2 1930 Regional Report Surplus Deficit	3200	1877	4994	4144	2526	-342	-1382	1114	1644	1410	-225	2755	3881	3332
3 1931 Regional Report Surplus Deficit	3451	2008	4965	4145	2261	-63.5	-1304	688	1463	1183	-1259	2468	2997	2301
4 1932 Regional Report Surplus Deficit	3258	1240	4564	3733	1971	-187	-100	-1546	4557	5703	6541	8885	7629	5396
5 1933 Regional Report Surplus Deficit	4649	3245	5713	4340	2788	2415	3613	5128	4653	3912	1682	6430	8663	6580
6 1934 Regional Report Surplus Deficit	6682	5829	6185	5478	6531	4787	5622	6714	7191	8126	6260	7384	5837	2097
7 1935 Regional Report Surplus Deficit	2454	2036	4303	3939	2348	742	3493	4777	4833	2142	2452	5924	5278	5474
8 1936 Regional Report Surplus Deficit	6176	2651	4845	4169	2820	-172	-1126	-221	2001	1806	5344	8966	7309	4353
9 1937 Regional Report Surplus Deficit	2963	1884	4569	4202	2639	-118	-1588	-1085	1010	1255	-1354	2970	5426	2727
10 1938 Regional Report Surplus Deficit	3808	2077	5129	4209	2800	1481	2830	4031	6128	6488	6946	8588	6698	5735
11 1939 Regional Report Surplus Deficit	3054	1802	5188	4303	2779	-63.1	1913	2921	3346	2867	3243	6164	4332	3573
12 1940 Regional Report Surplus Deficit	3015	1820	4854	4267	3074	1514	2067	2196	5622	4686	2117	6598	4213	1221
13 1941 Regional Report Surplus Deficit	2109	951	4706	3965	2713	1047	628	1714	2842	804	-1840	2346	3638	2288
14 1942 Regional Report Surplus Deficit	3400	1441	5251	3879	3621	3293	2958	3873	1872	1822	881	3806	7459	5955
15 1943 Regional Report Surplus Deficit	4602	3799	6064	4403	2587	918	4080	5134	5994	8959	7515	7352	8533	6768
16 1944 Regional Report Surplus Deficit	5301	3310	5598	4328	2497	64.4	818	1252	1307	1254	-1615	2367	3040	398
17 1945 Regional Report Surplus Deficit	2337	83.9	3827	3415	2234	-136	-650	712	1639	1224	-1188	5527	7442	2147
18 1946 Regional Report Surplus Deficit	3383	1886	5078	4061	2867	1595	2696	4119	5067	7535	7267	8829	6710	6234
19 1947 Regional Report Surplus Deficit	5998	4389	6034	4357	3877	4837	4987	6087	6380	5940	3342	8508	7261	5785
20 1948 Regional Report Surplus Deficit	4668	2985	5447	8020	5549	3267	4769	5635	4843	5052	5700	9253	7967	6262
21 1949 Regional Report Surplus Deficit	6645	5953	6431	4955	3446	1246	2462	3710	6385	6298	6300	8993	6670	2369
22 1950 Regional Report Surplus Deficit	2628	1794	4786	4251	2768	1752	4786	6232	6868	7764	4672	7523	8728	7030
23 1951 Regional Report Surplus Deficit	6720	5757	6542	6097	6123	5091	5650	7285	7483	8276	6015	8601	7100	6433
24 1952 Regional Report Surplus Deficit	6120	3141	6090	7509	4768	3361	4566	5962	5001	7878	7584	9431	7360	5791
25 1953 Regional Report Surplus Deficit	4636	2568	4756	4311	2384	-358	1251	6753	3990	1378	1130	7125	8611	6745
26 1954 Regional Report Surplus Deficit	5333	3983	6058	4856	3814	2468	4360	6375	5869	4960	3242	8647	7941	6828
27 1955 Regional Report Surplus Deficit	7001	7023	8531	5050	4802	2292	1611	2544	836	1593	-351	5286	8735	6845
28 1956 Regional Report Surplus Deficit	6555	4812	5929	5357	5391	4851	5557	6777	7289	7418	7304	9080	8512	6517
29 1957 Regional Report Surplus Deficit	6392	5446	6233	5284	3425	2816	2877	2742	5742	7554	3845	9622	8582	4911
30 1958 Regional Report Surplus Deficit	5194	2165	5228	4287	2991	1240	3931	5182	4711	3866	4900	9108	8075	4440
31 1959 Regional Report Surplus Deficit	4860	2586	5207	4722	4600	4318	5467	6625	5520	6865	3435	7964	8072	6538
32 1960 Regional Report Surplus Deficit	6512	6033	9009	9376	6680	3996	3948	5081	5208	8452	5412	6154	7543	5355
33 1961 Regional Report Surplus Deficit	5709	2503	5193	4657	3703	1601	3495	5372	6551	6226	2004	8042	7748	4488
34 1962 Regional Report Surplus Deficit	4683	2497	5028	4259	3164	1411	3414	5218	2716	4603	6601	7545	6844	4565
35 1963 Regional Report Surplus Deficit	5307	3422	5419	5701	4874	3932	4046	5318	3032	2427	320	6749	7782	5234
36 1964 Regional Report Surplus Deficit	4559	2690	6205	4245	3224	1590	2322	3495	2122	4044	1563	7471	8734	6829
37 1965 Regional Report Surplus Deficit	6537	5713	7089	5907	4398	4878	5523	7054	7207	4151	7269	8601	7561	5885
38 1966 Regional Report Surplus Deficit	6576	5548	5587	5138	3538	2064	3245	4545	3113	5104	2504	5073	6570	5098

Regional Report Surplus Deficit By Water Year

Operating Year 2021

2018 White Book Report Date: 12/1/2018 *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	5233	2588	5350	4142	2893	2741	4877	6211	6011	4457	151	7308	8392	6434
40 1968 Regional Report Surplus Deficit	5848	4650	6100	4843	4055	2072	4022	5839	6385	1197	-331	4973	7652	5582
41 1969 Regional Report Surplus Deficit	5983	5446	7500	6175	5581	3325	5237	6523	6298	7682	7009	9357	7882	5887
42 1970 Regional Report Surplus Deficit	4220	2588	5458	5001	3535	953	3782	5444	4023	1688	-10.8	7172	8275	4676
43 1971 Regional Report Surplus Deficit	4203	2200	5039	4350	3012	1803	5490	6826	7529	7430	5379	8966	8728	6925
44 1972 Regional Report Surplus Deficit	6840	6537	6652	5443	3844	2563	5308	7031	8113	8840	4889	8595	8136	6694
45 1973 Regional Report Surplus Deficit	6780	6740	6834	5248	3927	2027	3378	4509	2749	1419	-1883	2619	3737	2405
46 1974 Regional Report Surplus Deficit	3623	967	5004	4183	2925	3500	5723	6814	7802	8144	6851	7829	8474	7052
47 1975 Regional Report Surplus Deficit	6926	6766	6556	4312	3091	1190	3552	4874	6129	2519	1318	8039	8481	7078
48 1976 Regional Report Surplus Deficit	5982	5144	6880	6546	6006	5095	5492	6710	6671	8153	5333	9098	7837	6664
49 1977 Regional Report Surplus Deficit	7171	7439	9666	5342	3187	243	979	1508	1157	1014	-1640	2184	2756	25.2
50 1978 Regional Report Surplus Deficit	2154	283	3470	2978	2525	1922	3067	4145	4348	7561	3332	8293	6234	5851
51 1979 Regional Report Surplus Deficit	5414	3508	7409	5276	3617	459	1987	2161	4774	1953	1906	8116	4947	1695
52 1980 Regional Report Surplus Deficit	2544	1295	5066	4278	2771	-241	2347	2208	1880	3969	4147	9468	7845	4829
53 1981 Regional Report Surplus Deficit	2565	1676	5267	4202	3572	3899	4916	6202	3376	1148	496	7543	8399	6237
54 1982 Regional Report Surplus Deficit	6556	5914	6020	4694	4061	1971	4366	7063	7989	7613	3400	8597	8544	7097
55 1983 Regional Report Surplus Deficit	6684	6521	7689	6340	4287	2815	4850	6605	7388	6358	2765	7843	7504	6712
56 1984 Regional Report Surplus Deficit	6619	6272	6877	5169	6491	3278	4658	5997	6890	5910	5936	7885	8499	6629
57 1985 Regional Report Surplus Deficit	6264	3778	6831	5263	4314	2037	2715	3623	3192	5455	4597	7079	4626	2666
58 1986 Regional Report Surplus Deficit	2654	1537	5291	5532	4972	2182	3915	6320	7901	7740	5698	6866	7274	4082
59 1987 Regional Report Surplus Deficit	4459	1813	5269	4204	3787	2096	1968	1714	4154	1995	1337	7063	4429	1341
60 1988 Regional Report Surplus Deficit	2843	1378	4741	3884	1789	-493	-953	515	1516	1355	738	3143	4503	3868
61 1989 Regional Report Surplus Deficit	3778	2064	4957	3949	2966	1083	366	-298	4468	4875	6395	6887	5150	3165
62 1990 Regional Report Surplus Deficit	3119	2020	5072	4280	3639	2612	3377	5596	5166	4569	5884	6669	7686	5332
63 1991 Regional Report Surplus Deficit	5819	4417	5312	4106	6013	3375	4716	5943	5423	5037	2217	6955	7461	6327
64 1992 Regional Report Surplus Deficit	6537	5052	5359	4158	3044	-315	1202	1945	2772	916	-247	5355	3077	438
65 1993 Regional Report Surplus Deficit	2348	765	4460	3715	2424	39.2	-475	-1078	2979	2064	-401	8019	6380	4419
66 1994 Regional Report Surplus Deficit	3615	2028	4806	4083	2759	168	-202	1563	1731	1178	1651	4209	3690	3467
67 1995 Regional Report Surplus Deficit	2995	1076	4936	3975	2069	316	2008	4310	5864	2980	-477	7527	7795	5505
68 1996 Regional Report Surplus Deficit	4789	2476	5714	6041	6797	4982	5755	7377	8032	8003	7774	8953	7962	6454
69 1997 Regional Report Surplus Deficit	6446	5436	6139	4711	3872	3399	5754	6868	7964	8051	7472	8824	8010	6663
70 1998 Regional Report Surplus Deficit	6512	6641	7688	8587	5533	2147	2892	5656	4557	2113	626	9080	8328	5821
71 1999 Regional Report Surplus Deficit	6403	4857	5401	4491	2758	3220	5249	6748	7504	5509	5087	7751	8507	6788
72 2000 Regional Report Surplus Deficit	7311	7075	6698	4770	6393	3977	3719	4939	5562	7380	6815	7438	4524	5090
73 2001 Regional Report Surplus Deficit	5702	1998	5147	4491	2928	-20.8	363	1136	1338	977	-1570	2374	2848	789
74 2002 Regional Report Surplus Deficit	2556	280	3712	2901	2429	811	144	1558	2783	4163	5226	6005	7953	6186
75 2003 Regional Report Surplus Deficit	4010	2809	5132	4257	3044	25.3	428	2434	5376	3383	1884	4136	7570	3301
76 2004 Regional Report Surplus Deficit	2443	1366	4401	3934	3092	1547	895	1024	2976	2681	1275	5058	6031	3392
77 2005 Regional Report Surplus Deficit	2440	2561	6182	4844	3281	2066	2575	4483	2855	937	-239	5502	5520	4131

Regional Report Surplus Deficit By Water Year
Operating Year 2021
2018 White Book Report Date: **12/1/2018** *Continued*
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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	3481	1395	4786	3800	3490	1614	4337	6031	5137	8092	6369	8794	8264	4867
79 2007 Regional Report Surplus Deficit	3411	1453	4271	3837	3505	1853	3489	3765	6827	5037	1766	7523	6296	5022
80 2008 Regional Report Surplus Deficit	3261	1550	3985	3999	2761	325	1132	2145	3194	2511	127	7866	8779	6177
Ranked Averages														
81 Bottom 10 pct	2353	1168	4552	3883	2674	873	1485	2248	3044	2673	942	6267	6046	4066
82 Middle 80 pct	4767	3146	5555	4790	3682	1950	2988	4286	4825	4653	3411	7048	6990	4873
83 Top 10 pct	6929	6732	7396	5325	4457	2525	3631	4912	4927	4675	2241	6326	6372	5160

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Regional Report Surplus Deficit By Water Year

Operating Year 2022

2018 White Book Report Date: 12/1/2018

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	3075	2051	4212	2859	1339	-1029	-930	231	876	-1057	-2618	2516	6689	678
2 1930 Regional Report Surplus Deficit	1954	713	3836	2458	831	-1307	-2250	254	773	-893	-1986	2803	4362	2634
3 1931 Regional Report Surplus Deficit	2238	842	3732	2464	570	-1001	-2163	-172	593	-1129	-3050	2770	3091	1599
4 1932 Regional Report Surplus Deficit	2040	72.2	3408	2042	229	-1137	-932	-2392	3676	3500	4427	8340	7882	4931
5 1933 Regional Report Surplus Deficit	3433	2042	4599	2652	1043	1354	2322	4188	3828	1569	18.3	5833	9038	6409
6 1934 Regional Report Surplus Deficit	5510	4638	5074	3821	4228	3448	4093	5895	6347	5715	4162	6166	6124	1361
7 1935 Regional Report Surplus Deficit	1181	868	3122	2253	559	-186	2222	3828	3963	-135	671	5724	5851	5024
8 1936 Regional Report Surplus Deficit	4995	1481	3671	2479	1098	-1123	-1994	-1084	1136	-507	3452	8483	7582	3736
9 1937 Regional Report Surplus Deficit	1709	728	3362	2516	957	-1058	-2456	-1946	138	-1280	-3139	3351	5972	1999
10 1938 Regional Report Surplus Deficit	2573	916	3978	2520	1063	547	1677	3066	5330	4246	4985	7563	7059	5328
11 1939 Regional Report Surplus Deficit	1786	651	4050	2615	1035	-1041	1043	1982	2500	531	1526	6183	4988	2892
12 1940 Regional Report Surplus Deficit	1751	666	3597	2586	1400	562	1033	1343	4785	2470	343	6425	4831	498
13 1941 Regional Report Surplus Deficit	857	-207	3477	2276	1025	116	-221	850	2005	-1508	-3627	2515	4251	1575
14 1942 Regional Report Surplus Deficit	2173	280	4050	2188	1927	2087	1792	2933	1002	-479	-877	4484	7693	5627
15 1943 Regional Report Surplus Deficit	3345	2549	4897	2720	815	-11.4	2706	4175	5051	6500	5683	6888	8864	6463
16 1944 Regional Report Surplus Deficit	4102	2109	4370	2635	772	-897	25.5	287	443	-1281	-3449	2159	3450	-352
17 1945 Regional Report Surplus Deficit	1124	-1075	2588	1725	518	-1074	-1501	-151	767	-1311	-2988	5552	7676	1402
18 1946 Regional Report Surplus Deficit	2142	729	3835	2369	1156	658	1591	3222	4246	5231	5227	7710	7066	5911
19 1947 Regional Report Surplus Deficit	4811	3201	4842	2664	2211	3455	3495	5051	5549	3843	1634	7882	7503	5420
20 1948 Regional Report Surplus Deficit	3454	1809	4243	6396	3687	2104	3314	4712	4066	2729	3844	8957	8267	5940
21 1949 Regional Report Surplus Deficit	5473	4763	5261	3278	1759	315	1336	2777	5557	3989	4434	8471	7017	1629
22 1950 Regional Report Surplus Deficit	1334	636	3596	2559	1030	756	3279	5110	6223	5510	2872	6553	9022	6701
23 1951 Regional Report Surplus Deficit	5547	4562	5365	4457	4146	3714	4106	6459	6632	5944	4102	7530	7379	6184
24 1952 Regional Report Surplus Deficit	4935	1964	4897	5911	3041	2190	3114	5039	4202	5496	5686	8826	7612	5390
25 1953 Regional Report Surplus Deficit	3425	1374	3478	2620	670	-1310	443	5840	3137	-1157	-626	6799	9064	6444
26 1954 Regional Report Surplus Deficit	4057	2700	4862	3176	2144	1412	2999	5469	4936	2806	1522	7412	8030	6562
27 1955 Regional Report Surplus Deficit	5837	5845	7587	3375	3040	1245	703	1701	-28.2	-744	-2106	5380	9040	6562
28 1956 Regional Report Surplus Deficit	5380	3607	4725	3688	3538	3494	4084	5902	6491	5186	5395	8639	8681	6222
29 1957 Regional Report Surplus Deficit	5135	4168	5044	3614	1731	1725	1701	1902	4862	5261	2030	9438	8950	4352
30 1958 Regional Report Surplus Deficit	3993	1007	3992	2597	1281	312	2604	4218	3910	1613	3032	8838	8239	3831
31 1959 Regional Report Surplus Deficit	3572	1341	3978	3042	2858	2985	3951	5770	4705	4697	1698	6671	8238	6289
32 1960 Regional Report Surplus Deficit	5334	4841	8204	7616	4342	2667	2665	3933	4350	6106	3539	6092	7773	4893
33 1961 Regional Report Surplus Deficit	4518	1315	3973	2976	2033	658	2170	4423	5733	4007	283	6808	7923	3923
34 1962 Regional Report Surplus Deficit	3472	1321	3857	2567	1461	474	2256	4086	1844	2424	4638	6891	7179	3980
35 1963 Regional Report Surplus Deficit	4110	2238	4263	4048	3118	2651	2568	4363	2184	138	-1436	6675	7978	4764
36 1964 Regional Report Surplus Deficit	3351	1517	5023	2554	1520	649	1367	2546	1234	1819	-193	6821	9181	6578
37 1965 Regional Report Surplus Deficit	5550	4518	6033	4273	2705	3539	4130	6235	6382	2058	5372	7792	7806	5500
38 1966 Regional Report Surplus Deficit	5321	4286	4373	3471	1862	1078	2125	3488	2252	2889	728	5361	6959	4596

Regional Report Surplus Deficit By Water Year

Operating Year 2022

2018 White Book Report Date: 12/1/2018 *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	4039	1421	4195	2452	1160	1652	3370	5271	5213	2327	-1606	6383	8663	6197
40 1968 Regional Report Surplus Deficit	4660	3444	4994	3167	2360	1065	2682	4908	5563	-1142	-2081	5342	7837	5159
41 1969 Regional Report Surplus Deficit	4796	4260	6492	4553	3716	2167	3779	5675	5269	5318	4921	8682	8032	5500
42 1970 Regional Report Surplus Deficit	2993	1419	4307	3326	1857	25.0	2485	4504	3047	-516	-1726	6838	8565	4071
43 1971 Regional Report Surplus Deficit	2975	1015	3857	2661	1298	855	4024	6002	6679	5197	3538	8641	9006	6620
44 1972 Regional Report Surplus Deficit	5667	5359	5474	3775	2167	1541	3767	6145	7090	6314	3014	8315	8365	6425
45 1973 Regional Report Surplus Deficit	5610	5574	5675	3578	2259	1050	2167	3601	1894	-1116	-3703	2471	4343	1671
46 1974 Regional Report Surplus Deficit	2393	-191	3763	2495	1185	2255	4347	5995	6835	5848	4786	7450	8744	6704
47 1975 Regional Report Surplus Deficit	5759	5599	5458	2619	1365	263	2325	3865	5254	341	-442	7075	8775	6691
48 1976 Regional Report Surplus Deficit	4794	3939	5729	4927	4049	3756	4016	5856	5853	5832	3434	8656	8052	6457
49 1977 Regional Report Surplus Deficit	5954	6040	8976	3676	1476	-698	5.04	760	293	-1521	-3442	2112	2819	-725
50 1978 Regional Report Surplus Deficit	944	-872	2244	1300	797	818	1901	3166	3624	5213	1541	7302	6654	5461
51 1979 Regional Report Surplus Deficit	4216	2305	6309	3618	1944	-484	980	1308	3965	-418	188	7602	5540	946
52 1980 Regional Report Surplus Deficit	1280	136	3905	2591	1055	-1222	1333	1355	1008	1730	2311	8784	8064	4262
53 1981 Regional Report Surplus Deficit	1299	525	4061	2515	1905	2615	3330	5299	2539	-1388	-1235	6964	8673	5994
54 1982 Regional Report Surplus Deficit	5382	4724	4918	3010	2375	975	2963	6231	6918	5379	1632	7778	8866	6725
55 1983 Regional Report Surplus Deficit	5695	5343	6597	4711	2607	1702	3403	5717	6642	4077	1012	7262	7742	6439
56 1984 Regional Report Surplus Deficit	5443	5007	5719	3491	4423	2130	3239	5070	6101	3684	4027	7347	8824	6346
57 1985 Regional Report Surplus Deficit	5080	2566	5672	3585	2643	1083	1649	2657	2350	3245	2728	6742	5236	1935
58 1986 Regional Report Surplus Deficit	1359	378	4066	3869	3222	1182	2590	5434	7096	5397	3777	6503	7532	3428
59 1987 Regional Report Surplus Deficit	3239	657	4026	2511	2123	1104	1019	859	3338	-493	-325	6492	5024	591
60 1988 Regional Report Surplus Deficit	1578	220	3561	2196	73.1	-1473	-1812	-347	645	-1180	-1017	3407	5117	3213
61 1989 Regional Report Surplus Deficit	2490	822	3721	2259	1259	152	-508	-1157	3605	2657	4484	6575	5723	2454
62 1990 Regional Report Surplus Deficit	1810	788	3831	2593	1971	1523	2179	4598	4441	2338	4003	5991	7784	4858
63 1991 Regional Report Surplus Deficit	4556	3135	4079	2414	3946	2144	3188	4917	4574	2969	588	6433	7649	6109
64 1992 Regional Report Surplus Deficit	5534	3843	4205	2466	1335	-1295	304	1092	1921	-1619	-2004	5390	3667	-285
65 1993 Regional Report Surplus Deficit	1094	-390	3275	2028	729	-901	-1308	-1938	2132	-224	-2220	7428	6849	3644
66 1994 Regional Report Surplus Deficit	2313	770	3562	2395	1082	-763	-1034	708	859	-1357	-112	4730	4321	2781
67 1995 Regional Report Surplus Deficit	1768	-83.9	3703	2289	324	-619	1038	3325	5005	688	-2233	7095	8031	5060
68 1996 Regional Report Surplus Deficit	3495	1232	4529	4414	4346	3642	4302	6558	6962	5691	5736	7985	8219	6197
69 1997 Regional Report Surplus Deficit	5193	4176	4952	3026	2208	2200	4325	6048	6929	5733	5430	8424	8230	6402
70 1998 Regional Report Surplus Deficit	5473	5393	6590	6912	3699	1176	1773	4727	3755	-182	-1130	8740	8624	5420
71 1999 Regional Report Surplus Deficit	4847	3593	4164	2800	1005	2056	3736	5795	6798	3185	3320	7155	8790	6565
72 2000 Regional Report Surplus Deficit	6119	5835	5536	3086	4184	2688	2432	3979	4719	5109	4881	6883	5158	4601
73 2001 Regional Report Surplus Deficit	4436	770	3906	2803	1210	-973	-349	58.7	466	-1558	-3370	2661	2910	44.8
74 2002 Regional Report Surplus Deficit	1250	-948	2415	1223	705	-117	-688	702	1930	1857	3406	5918	8092	5889
75 2003 Regional Report Surplus Deficit	2772	1608	3974	2640	1421	-921	-410	1570	4541	1087	150	4755	7769	2605
76 2004 Regional Report Surplus Deficit	1072	131	3112	2248	1417	587	24.2	164	2128	378	-445	5415	6451	2696
77 2005 Regional Report Surplus Deficit	1093	1316	5022	3181	1607	1026	1398	3556	2011	-1598	-2043	5614	6036	3489

Regional Report Surplus Deficit By Water Year

Operating Year 2022

2018 White Book Report Date: **12/1/2018** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	2171	164	3523	2111	1830	662	2996	5015	4360	5683	4493	8336	8362	4324
79 2007 Regional Report Surplus Deficit	2081	220	2960	2145	1809	871	2176	2836	6008	2795	29.3	6940	6691	4494
80 2008 Regional Report Surplus Deficit	1925	316	2662	2318	1093	-604	243	1298	2352	208	-1615	7272	9126	5855
Ranked Averages														
81 Bottom 10 pct	1077	-147	3157	2029	920	33.8	228	1272	2320	334	-713	5684	6483	3647
82 Middle 80 pct	3538	1964	4384	3136	1950	880	1829	3383	3962	2400	1547	6694	7302	4382
83 Top 10 pct	5774	5514	6417	3636	2475	1416	2366	4000	4031	1815	573	5911	6756	4646

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Regional Report Surplus Deficit By Water Year

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	2081	1192	3077	1810	323	-2091	-1524	-397	270	-965	-2399	730	4986	471
2 1930 Regional Report Surplus Deficit	993	-106	2707	1416	-190	-2364	-2852	-327	164	-800	-1843	946	2498	2415
3 1931 Regional Report Surplus Deficit	1255	18.8	2606	1427	-451	-2074	-2770	-755	-11.4	-1041	-2808	976	1176	1382
4 1932 Regional Report Surplus Deficit	1031	-754	2282	991	-782	-2204	-1558	-2917	2942	3475	5079	7326	6249	4633
5 1933 Regional Report Surplus Deficit	2422	1182	3486	1605	33.0	297	1626	3427	3138	1628	138	5048	7288	6008
6 1934 Regional Report Surplus Deficit	4364	3676	3956	2806	3733	2682	3417	4984	5644	5828	4869	5609	4362	1154
7 1935 Regional Report Surplus Deficit	269	41.8	1982	1213	-443	-1291	1517	3072	3289	-61.2	815	4726	4100	4722
8 1936 Regional Report Surplus Deficit	3906	651	2534	1430	83.2	-2189	-2593	-1648	540	-402	3843	7461	5890	3490
9 1937 Regional Report Surplus Deficit	762	-77.8	2212	1474	-66.0	-2130	-3056	-2495	-489	-1189	-2917	1577	4225	1790
10 1938 Regional Report Surplus Deficit	1593	102	2854	1472	51.1	-559	983	2370	4541	4238	5438	6945	5393	5010
11 1939 Regional Report Surplus Deficit	866	-144	2933	1570	24.3	-2090	287	1387	1911	649	1711	4977	3172	2668
12 1940 Regional Report Surplus Deficit	823	-137	2459	1549	377	-547	324	740	4038	2503	473	5292	3031	291
13 1941 Regional Report Surplus Deficit	-45.9	-1155	2351	1229	-11.1	-994	-852	263	1401	-1421	-3397	688	2457	1361
14 1942 Regional Report Surplus Deficit	1178	-535	2935	1136	890	1094	1105	2181	397	-386	-768	3009	6069	5283
15 1943 Regional Report Surplus Deficit	2363	1740	3784	1681	-191	-1088	2054	3416	4297	6638	6029	5856	7133	6135
16 1944 Regional Report Surplus Deficit	3055	1258	3237	1579	-243	-1957	-677	-193	-176	-1190	-3121	373	1579	-556
17 1945 Regional Report Surplus Deficit	141	-1899	1457	673	-498	-2147	-2111	-723	152	-1219	-2718	4332	6046	1197
18 1946 Regional Report Surplus Deficit	1172	-78.0	2698	1314	139	-439	1040	2232	3505	5149	5786	7032	5398	5569
19 1947 Regional Report Surplus Deficit	3743	2322	3723	1604	1176	2622	2844	4361	4800	3847	1843	6862	5852	5092
20 1948 Regional Report Surplus Deficit	2438	968	3118	5354	2776	1107	2674	3941	3346	2752	4261	8036	6546	5595
21 1949 Regional Report Surplus Deficit	4317	3788	4146	2246	737	-771	642	2027	4807	3962	4883	7397	5368	1423
22 1950 Regional Report Surplus Deficit	369	-495	2448	1504	18.1	-348	2643	4464	5360	5454	3189	5948	7275	6312
23 1951 Regional Report Surplus Deficit	4404	3613	4248	3451	3313	2893	3441	5555	5942	5940	4595	6901	5750	5807
24 1952 Regional Report Surplus Deficit	3856	1120	3771	4863	2030	1193	2475	4268	3477	5425	6073	7987	5973	5072
25 1953 Regional Report Surplus Deficit	2396	551	2325	1570	-347	-2376	-290	5048	2532	-1066	-515	5746	7344	6104
26 1954 Regional Report Surplus Deficit	3015	1832	3747	2141	1108	333	2318	4688	4219	2879	1718	6803	6326	6185
27 1955 Regional Report Surplus Deficit	4533	4496	6484	2344	2046	182	24.8	1027	-648	-630	-1971	4182	7351	6176
28 1956 Regional Report Surplus Deficit	4252	2714	3603	2664	2592	2665	3399	5070	5782	5099	5624	7771	6979	5874
29 1957 Regional Report Surplus Deficit	4041	3247	3926	2589	710	667	1017	1224	4122	5186	2277	8461	7181	4084
30 1958 Regional Report Surplus Deficit	2959	195	2863	1546	264	-760	1941	3460	3173	1686	3356	7651	6626	3585
31 1959 Regional Report Surplus Deficit	2551	514	2852	2007	1846	2096	3314	4898	3955	4663	1901	6068	6542	5927
32 1960 Regional Report Surplus Deficit	4223	3873	7132	6566	3885	1775	1924	3370	3624	6100	4000	4914	6134	4595
33 1961 Regional Report Surplus Deficit	3458	493	2844	1940	1000	-435	1507	3661	4988	4003	429	6229	6215	3660
34 1962 Regional Report Surplus Deficit	2450	481	2724	1512	442	-606	1552	3388	1271	2454	5171	6054	5507	3726
35 1963 Regional Report Surplus Deficit	3064	1383	3132	3036	2123	1717	1951	3603	1593	233	-1313	5524	6374	4470
36 1964 Regional Report Surplus Deficit	2325	682	3910	1501	501	-448	609	1880	652	1865	-82.7	5944	7456	6233
37 1965 Regional Report Surplus Deficit	4242	3570	4917	3271	1685	2744	3438	5324	5683	2027	5794	7080	6131	5170
38 1966 Regional Report Surplus Deficit	4210	3361	3237	2448	828	-13.8	1357	2877	1672	2917	862	4064	5248	4312

Regional Report Surplus Deficit By Water Year

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	2992	593	3066	1402	147	601	2747	4508	4458	2379	-1484	5750	6896	5822
40 1968 Regional Report Surplus Deficit	3595	2555	3883	2136	1326	-28.2	2022	4141	4807	-1017	-1935	4033	6217	4851
41 1969 Regional Report Surplus Deficit	3719	3329	5376	3546	2812	1174	3105	4793	4722	5276	5520	7839	6387	5179
42 1970 Regional Report Surplus Deficit	1999	589	3178	2296	834	-1053	1815	3740	2414	-425	-1592	5806	6860	3820
43 1971 Regional Report Surplus Deficit	1982	199	2714	1613	282	-248	3328	5096	5982	5141	3945	7772	7287	6260
44 1972 Regional Report Surplus Deficit	4525	4327	4357	2751	1144	466	3140	5314	6591	6507	3354	7482	6637	6095
45 1973 Regional Report Surplus Deficit	4451	4470	4562	2552	1235	-62.3	1485	2845	1303	-1024	-3388	624	2554	1463
46 1974 Regional Report Surplus Deficit	1405	-995	2629	1449	174	1267	3614	5084	6288	5834	5403	6655	7000	6346
47 1975 Regional Report Surplus Deficit	4578	4498	4345	1559	351	-831	1608	3187	4493	429	-331	6469	7094	6402
48 1976 Regional Report Surplus Deficit	3723	3033	4610	3907	3213	2990	3361	4980	5115	5826	3846	7804	6438	6073
49 1977 Regional Report Surplus Deficit	4557	4690	7924	2654	458	-1770	-596	59.9	-326	-1429	-3169	225	881	-929
50 1978 Regional Report Surplus Deficit	-39.0	-1680	1079	239	-216	-295	1214	2474	2827	5166	1719	6693	4957	5139
51 1979 Regional Report Surplus Deficit	3170	1446	5194	2602	921	-1554	270	709	3265	-312	310	6591	3767	741
52 1980 Regional Report Surplus Deficit	350	-859	2777	1548	38.8	-2265	634	758	395	1784	2567	7954	6445	4002
53 1981 Regional Report Surplus Deficit	374	-273	2935	1472	877	1671	2729	4503	1909	-1296	-1120	6031	6951	5624
54 1982 Regional Report Surplus Deficit	4246	3751	3804	1969	1344	-134	2317	5362	6424	5301	1844	7051	7152	6416
55 1983 Regional Report Surplus Deficit	4386	4311	5488	3711	1576	641	2763	4896	5875	4051	1178	6258	6082	6088
56 1984 Regional Report Surplus Deficit	4327	4027	4606	2459	3678	1112	2595	4301	5350	3668	4479	6335	7087	5999
57 1985 Regional Report Surplus Deficit	4001	1707	4560	2552	1609	-17.4	904	1989	1761	3255	3054	5676	3442	1726
58 1986 Regional Report Surplus Deficit	266	-753	2926	2850	2229	102	1927	4595	6392	5363	4213	5422	5917	3195
59 1987 Regional Report Surplus Deficit	2233	-148	2886	1452	1089	9.81	318	266	2671	-401	-215	5597	3247	386
60 1988 Regional Report Surplus Deficit	651	-784	2424	1149	-943	-2516	-2419	-926	36.9	-1088	-906	1604	3323	2981
61 1989 Regional Report Surplus Deficit	1504	1.66	2593	1208	241	-940	-1137	-1710	2926	2669	4988	5497	3958	2240
62 1990 Regional Report Surplus Deficit	870	-19.8	2689	1550	948	497	1456	3875	3696	2374	4470	5246	6134	4563
63 1991 Regional Report Surplus Deficit	3489	2253	2945	1358	3222	1182	2538	4217	3840	2988	748	5484	6001	5748
64 1992 Regional Report Surplus Deficit	4231	2937	3077	1412	317	-2338	-366	495	1331	-1527	-1875	4166	1817	-492
65 1993 Regional Report Surplus Deficit	145	-1191	2136	983	-292	-1973	-1931	-2484	1543	-130	-1999	6406	5069	3554
66 1994 Regional Report Surplus Deficit	1316	-53.0	2415	1351	58.7	-1839	-1658	115	251	-1265	1.91	3317	2507	2559
67 1995 Regional Report Surplus Deficit	803	-886	2575	1246	-686	-1694	343	2573	4259	803	-2085	6043	6406	4756
68 1996 Regional Report Surplus Deficit	2484	405	3414	3414	4005	2877	3600	5647	6488	5635	6232	7335	6518	5828
69 1997 Regional Report Surplus Deficit	4089	3253	3834	1987	1182	1192	3632	5138	6402	5714	5858	7526	6511	6036
70 1998 Regional Report Surplus Deficit	4151	4339	5476	5870	2771	71.8	1069	3958	3083	-86.7	-1010	7577	6969	5100
71 1999 Regional Report Surplus Deficit	3775	2706	3031	1749	-4.03	1033	3088	5041	6006	3180	3704	6169	7030	6174
72 2000 Regional Report Surplus Deficit	4814	4728	4427	2047	3589	1752	1762	3220	3974	5085	5377	5973	3337	4314
73 2001 Regional Report Surplus Deficit	3378	-30.9	2772	1758	194	-2039	-990	-525	-155	-1466	-3101	863	973	-160
74 2002 Regional Report Surplus Deficit	262	-1742	1251	162	-310	-1190	-1160	-15.1	1266	1908	3799	4750	6424	5536
75 2003 Regional Report Surplus Deficit	1789	772	2844	1603	399	-1990	-1039	886	3798	1166	278	3316	6149	2385
76 2004 Regional Report Surplus Deficit	-21.1	-1000	1954	1205	383	-518	-607	-418	1539	461	-334	4099	4754	2478
77 2005 Regional Report Surplus Deficit	180	487	3901	2161	571	-42.8	713	2797	1423	-1506	-1863	4354	4316	3253

Regional Report Surplus Deficit By Water Year

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	1191	-641	2373	1065	798	-430	2289	4340	3619	5693	4952	7222	6693	4054
79 2007 Regional Report Surplus Deficit	1137	-720	1788	1092	774	-229	1510	2084	5259	2834	175	6010	4964	4220
80 2008 Regional Report Surplus Deficit	991	-814	1486	1282	69.0	-1680	-412	648	1763	303	-1473	6276	7448	5512
Ranked Averages														
81 Bottom 10 pct	111	-1117	2132	1188	232	-882	-351	811	2068	1078	-72.5	4593	4992	3214
82 Middle 80 pct	2500	1098	3252	2068	912	-174	1155	2636	3238	2289	1803	5640	5566	4104
83 Top 10 pct	4531	4392	5230	2634	1714	409	1704	3263	3400	2366	706	4764	4961	4427

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	1895	991	2823	1640	139	-2297	-1727	-103	14.7	-316	-2288	1501	5875	336
2 1930 Regional Report Surplus Deficit	801	-319	2444	1245	-373	-2567	-3128	-81.5	-88.3	-129	-1727	1745	3611	2267
3 1931 Regional Report Surplus Deficit	1067	-193	2342	1257	-634	-2292	-3030	-507	-269	-376	-2698	1764	2351	1234
4 1932 Regional Report Surplus Deficit	849	-965	2018	820	-967	-2414	-1737	-2755	2649	4156	5198	7891	7116	4489
5 1933 Regional Report Surplus Deficit	2240	981	3243	1435	-153	53.7	1502	3698	2815	2317	260	5708	8093	5860
6 1934 Regional Report Surplus Deficit	4290	3490	3725	2636	3553	2313	3235	5215	5448	6488	4986	6242	5218	1007
7 1935 Regional Report Surplus Deficit	71.7	-168	1725	1042	-632	-1516	1403	3345	2941	633	937	5406	5059	4580
8 1936 Regional Report Surplus Deficit	3780	442	2275	1259	-102	-2399	-2875	-1426	273	252	3967	8012	6745	3344
9 1937 Regional Report Surplus Deficit	568	-297	1967	1303	-249	-2346	-3337	-2296	-723	-539	-2805	2361	5161	1643
10 1938 Regional Report Surplus Deficit	1404	-113	2591	1301	-134	-794	853	2591	4331	4904	5562	7534	6230	4869
11 1939 Regional Report Surplus Deficit	669	-368	2675	1399	-161	-2287	227	1570	1633	1304	1846	5664	4222	2518
12 1940 Regional Report Surplus Deficit	627	-358	2201	1378	195	-786	201	1003	3776	3187	595	5964	4061	156
13 1941 Regional Report Surplus Deficit	-244	-1384	2086	1059	-193	-1227	-996	516	1132	-756	-3286	1481	3480	1213
14 1942 Regional Report Surplus Deficit	992	-750	2682	966	709	852	970	2459	140	285	-648	3742	6900	5147
15 1943 Regional Report Surplus Deficit	2193	1540	3572	1511	-377	-1312	1884	3694	4045	7304	6150	6499	8026	5986
16 1944 Regional Report Surplus Deficit	2893	1055	2981	1409	-427	-2161	-739	-46.7	-414	-540	-3033	1144	2701	-699
17 1945 Regional Report Surplus Deficit	-47.3	-2125	1193	503	-682	-2364	-2356	-489	-94.0	-570	-2609	5021	6897	1051
18 1946 Regional Report Surplus Deficit	981	-296	2440	1144	-45.6	-676	760	2746	3235	5820	5906	7575	6241	5432
19 1947 Regional Report Surplus Deficit	3597	2123	3483	1434	995	2392	2672	4548	4562	4519	1964	7462	6691	4950
20 1948 Regional Report Surplus Deficit	2258	763	2872	5187	2600	865	2478	4215	3078	3428	4379	8514	7387	5463
21 1949 Regional Report Surplus Deficit	4253	3606	3910	2075	554	-1005	512	2304	4569	4625	5001	7970	6213	1277
22 1950 Regional Report Surplus Deficit	170	-729	2199	1334	-167	-588	2469	4604	5256	6101	3310	6558	8123	6187
23 1951 Regional Report Surplus Deficit	4329	3428	4029	3282	3138	2627	3252	5785	5736	6581	4713	7457	6589	5670
24 1952 Regional Report Surplus Deficit	3720	915	3537	4696	1852	950	2280	4542	3182	6106	6194	8482	6820	4931
25 1953 Regional Report Surplus Deficit	2221	339	2084	1399	-532	-2585	-351	5295	2221	-416	-396	6401	8185	5980
26 1954 Regional Report Surplus Deficit	2848	1632	3499	1971	926	90.4	2175	4955	3936	3517	1842	7393	7170	6051
27 1955 Regional Report Surplus Deficit	4575	4537	6029	2174	1869	-60.9	-98.1	1299	-885	9.18	-1849	4849	8156	6048
28 1956 Regional Report Surplus Deficit	4163	2516	3352	2494	2416	2436	3206	5333	5586	5766	5738	8239	7818	5733
29 1957 Regional Report Surplus Deficit	3920	3052	3688	2418	527	424	880	1499	3849	5883	2398	8925	8017	3942
30 1958 Regional Report Surplus Deficit	2787	-20.9	2599	1376	79.5	-992	1785	3739	2897	2360	3476	8189	7416	3428
31 1959 Regional Report Surplus Deficit	2373	304	2588	1836	1668	1861	3086	5128	3691	5332	2023	6691	7395	5791
32 1960 Regional Report Surplus Deficit	4122	3690	6425	6397	3703	1540	1838	3452	3352	6731	4119	5595	6986	4454
33 1961 Regional Report Surplus Deficit	3305	281	2589	1770	819	-673	1351	3939	4752	4684	555	6843	7043	3513
34 1962 Regional Report Surplus Deficit	2272	276	2463	1342	258	-843	1437	3602	977	3125	5290	6690	6373	3577
35 1963 Regional Report Surplus Deficit	2899	1181	2873	2866	1946	1479	1770	3881	1317	912	-1195	6200	7203	4327
36 1964 Regional Report Surplus Deficit	2149	475	3681	1331	317	-686	541	2076	372	2573	38.2	6558	8277	6105
37 1965 Regional Report Surplus Deficit	4145	3381	4709	3102	1506	2404	3250	5554	5482	2784	5914	7610	7015	5037
38 1966 Regional Report Surplus Deficit	4106	3167	2993	2278	646	-255	1305	3011	1386	3615	984	4767	6103	4168

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	2828	383	2808	1232	-37.7	358	2556	4752	4211	3075	-1366	6385	7724	5694
40 1968 Regional Report Surplus Deficit	3446	2357	3651	1966	1146	-270	1862	4416	4576	-384	-1812	4737	7039	4707
41 1969 Regional Report Surplus Deficit	3581	3138	5123	3377	2637	932	2915	5023	4266	5893	5620	8348	7246	5036
42 1970 Regional Report Surplus Deficit	1813	380	2921	2126	651	-1280	1666	4016	2129	242	-1475	6438	7753	3672
43 1971 Regional Report Surplus Deficit	1796	-15.8	2461	1443	97.2	-487	3150	5327	5753	5829	4076	8250	8116	6131
44 1972 Regional Report Surplus Deficit	4449	4163	4136	2581	961	224	2931	5544	6395	7169	3474	7973	7446	5946
45 1973 Regional Report Surplus Deficit	4389	4331	4355	2382	1054	-301	1346	3124	1029	-375	-3300	1396	3568	1317
46 1974 Regional Report Surplus Deficit	1217	-1220	2368	1278	-11.8	1025	3470	5315	6085	6488	5511	7197	7846	6206
47 1975 Regional Report Surplus Deficit	4533	4359	4135	1389	166	-1060	1506	3386	4257	1112	-210	7066	7972	6295
48 1976 Regional Report Surplus Deficit	3580	2842	4393	3738	3037	2621	3161	5211	4878	6471	3965	8285	7284	5931
49 1977 Regional Report Surplus Deficit	4661	4712	6959	2484	274	-1985	-784	427	-564	-780	-3060	1030	2089	-1071
50 1978 Regional Report Surplus Deficit	-228	-1898	858	68.7	-401	-534	1080	2691	2617	5803	1857	7304	5843	5003
51 1979 Regional Report Surplus Deficit	3006	1247	4955	2432	739	-1768	148	972	2989	348	436	7222	4753	598
52 1980 Regional Report Surplus Deficit	154	-1089	2515	1378	-146	-2464	513	1022	147	2465	2688	8478	7252	3854
53 1981 Regional Report Surplus Deficit	178	-496	2690	1302	695	1432	2529	4774	1626	-647	-1001	6659	7842	5487
54 1982 Regional Report Surplus Deficit	4164	3569	3575	1799	1164	-374	2139	5592	6221	5986	1975	7608	8006	6271
55 1983 Regional Report Surplus Deficit	4475	4147	5234	3542	1396	398	2572	5166	5658	4747	1300	6877	6942	5974
56 1984 Regional Report Surplus Deficit	4227	3847	4391	2289	3501	869	2413	4575	5122	4351	4597	6961	7960	5860
57 1985 Regional Report Surplus Deficit	3865	1506	4347	2382	1428	-258	825	2185	1479	3939	3174	6332	4454	1580
58 1986 Regional Report Surplus Deficit	52.3	-987	2678	2680	2052	-141	1771	4868	6178	5991	4329	6088	6747	3047
59 1987 Regional Report Surplus Deficit	2050	-367	2631	1282	908	-232	198	526	2393	273	-94.2	6244	4242	249
60 1988 Regional Report Surplus Deficit	455	-1015	2166	978	-1128	-2716	-2679	-683	-217	-439	-787	2393	4338	2832
61 1989 Regional Report Surplus Deficit	1316	-211	2329	1037	56.5	-1173	-1296	-1505	2654	3356	5106	6156	4937	2092
62 1990 Regional Report Surplus Deficit	675	-238	2437	1380	767	254	1360	4098	3433	3031	4588	5905	6939	4422
63 1991 Regional Report Surplus Deficit	3342	2054	2687	1188	3046	942	2354	4414	3567	3675	870	6137	6855	5606
64 1992 Regional Report Surplus Deficit	4139	2740	2818	1242	133	-2539	-490	759	1054	-878	-1757	4856	2910	-627
65 1993 Regional Report Surplus Deficit	-48.5	-1412	1879	813	-475	-2189	-2129	-2290	1265	550	-1931	7018	6031	3255
66 1994 Regional Report Surplus Deficit	1145	-264	2168	1180	-124	-2062	-1847	375	-2.13	-616	123	4040	3549	2410
67 1995 Regional Report Surplus Deficit	612	-1107	2311	1076	-871	-1913	222	2852	4005	1461	-1962	6694	7234	4614
68 1996 Regional Report Surplus Deficit	2302	195	3180	3245	3822	2507	3436	5878	6269	6249	6325	7901	7396	5697
69 1997 Regional Report Surplus Deficit	3977	3059	3599	1816	1001	950	3438	5368	6224	6373	5973	8047	7375	5926
70 1998 Regional Report Surplus Deficit	4044	4182	5233	5703	2595	-168	945	4233	2801	589	-892	8121	7862	4963
71 1999 Regional Report Surplus Deficit	3632	2507	2770	1579	-190	790	2883	5235	5896	3845	3846	6796	7903	6055
72 2000 Regional Report Surplus Deficit	4851	4590	4194	1876	3411	1513	1613	3499	3710	5730	5496	6615	4381	4168
73 2001 Regional Report Surplus Deficit	3222	-252	2512	1588	9.69	-2247	-1121	-275	-395	-817	-2992	1651	2181	-305
74 2002 Regional Report Surplus Deficit	74.8	-1966	1028	-7.71	-494	-1420	-1489	369	1063	2597	3919	5430	7267	5406
75 2003 Regional Report Surplus Deficit	1601	565	2583	1433	216	-2202	-1196	1156	3528	1854	400	4043	6999	2237
76 2004 Regional Report Surplus Deficit	-235	-1234	1721	1034	203	-759	-738	-171	1261	1152	-213	4805	5650	2329
77 2005 Regional Report Surplus Deficit	-17.3	278	3704	1991	389	-286	577	3075	1144	-857	-1788	5061	5234	3104

Regional Report Surplus Deficit By Water Year
Operating Year 2024
2018 White Book Report Date: **12/1/2018** *Continued*
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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	1002	-860	2127	894	617	-670	2171	4516	3354	6332	5071	7789	7550	3909
79 2007 Regional Report Surplus Deficit	943	-949	1580	922	593	-470	1357	2362	5033	3508	303	6641	5837	4073
80 2008 Regional Report Surplus Deficit	796	-1049	1295	1111	-112	-1905	-538	918	1485	982	-1356	6879	8259	5383
Ranked Averages														
81 Bottom 10 pct	-87.0	-1116	1981	1149	32.5	-1127	-173	1443	2055	1493	-338	5273	5618	2948
82 Middle 80 pct	2340	864	2987	1881	732	-410	950	2831	2952	2987	1968	6266	6495	3976
83 Top 10 pct	4533	4283	4884	2464	1534	169	1542	3529	3167	3024	821	5408	5893	4293

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Regional Report Surplus Deficit By Water Year

Operating Year 2025

2018 White Book Report Date: 12/1/2018

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	1692	717	2602	1472	-16.7	-2452	-1857	-804	-128	-1607	-3196	19.5	4574	181
2 1930 Regional Report Surplus Deficit	605	-590	2222	1073	-536	-2722	-3230	-735	-229	-1436	-2628	165	2134	2102
3 1931 Regional Report Surplus Deficit	866	-464	2120	1080	-798	-2447	-3141	-1162	-412	-1682	-3608	223	817	1069
4 1932 Regional Report Surplus Deficit	644	-1236	1796	654	-1117	-2569	-1895	-3346	2506	2785	4299	6671	5828	4315
5 1933 Regional Report Surplus Deficit	2035	707	3028	1265	-301	-110	1284	3011	2713	989	-630	4472	6932	5686
6 1934 Regional Report Surplus Deficit	4091	3216	3511	2451	3385	2274	3046	4608	5273	5147	4037	5019	3948	848
7 1935 Regional Report Surplus Deficit	-111	-440	1502	869	-765	-1672	1179	2658	2861	-696	45.6	4149	3698	4402
8 1936 Regional Report Surplus Deficit	3581	170	2051	1092	-257	-2554	-2974	-2061	127	-1059	3068	6794	5479	3171
9 1937 Regional Report Surplus Deficit	376	-566	1743	1131	-416	-2501	-3436	-2914	-858	-1830	-3714	832	3834	1481
10 1938 Regional Report Surplus Deficit	1204	-384	2370	1133	-285	-951	661	1961	4129	3509	4658	6313	4961	4691
11 1939 Regional Report Surplus Deficit	484	-636	2457	1229	-310	-2442	-28.2	981	1482	-5.64	943	4396	2793	2351
12 1940 Regional Report Surplus Deficit	439	-627	1977	1202	24.7	-946	5.56	334	3612	1863	-296	4716	2651	1.18
13 1941 Regional Report Surplus Deficit	-425	-1650	1865	889	-362	-1384	-1175	-142	973	-2062	-4195	-80.3	2079	1050
14 1942 Regional Report Surplus Deficit	790	-1021	2464	800	536	684	779	1773	-2.48	-1021	-1542	2370	5622	4970
15 1943 Regional Report Surplus Deficit	1988	1266	3362	1336	-519	-1468	1706	3004	3871	6007	5249	5273	6742	5829
16 1944 Regional Report Surplus Deficit	2688	781	2760	1246	-582	-2316	-996	-600	-548	-1831	-3833	-338	1217	-854
17 1945 Regional Report Surplus Deficit	-248	-2392	971	337	-839	-2519	-2476	-1133	-233	-1861	-3473	3748	5625	894
18 1946 Regional Report Surplus Deficit	783	-566	2217	980	-204	-834	719	1824	3070	4443	5006	6339	4965	5249
19 1947 Regional Report Surplus Deficit	3396	1849	3268	1274	822	2216	2474	3941	4399	3181	1074	6241	5421	4773
20 1948 Regional Report Surplus Deficit	2053	489	2654	5011	2408	697	2309	3523	2921	2069	3485	7349	6143	5285
21 1949 Regional Report Surplus Deficit	4052	3332	3699	1897	389	-1162	319	1619	4412	3276	4105	6749	4937	1117
22 1950 Regional Report Surplus Deficit	-7.31	-1004	1976	1170	-318	-748	2279	4043	4924	4717	2418	5351	6856	6014
23 1951 Regional Report Surplus Deficit	4130	3154	3818	3095	2948	2487	3069	5179	5562	5240	3818	6256	5326	5488
24 1952 Regional Report Surplus Deficit	3520	642	3321	4514	1665	783	2110	3850	3050	4729	5294	7288	5554	4747
25 1953 Regional Report Surplus Deficit	2016	67.7	1860	1233	-688	-2740	-610	4625	2090	-1708	-1292	5169	6978	5795
26 1954 Regional Report Surplus Deficit	2643	1358	3282	1794	753	-71.4	1967	4267	3812	2221	962	6172	5907	5899
27 1955 Regional Report Surplus Deficit	4346	4242	5829	1994	1680	-224	-291	621	-1019	-1271	-2755	3599	6905	5876
28 1956 Regional Report Surplus Deficit	3965	2242	3134	2312	2224	2259	3026	4646	5406	4375	4837	7045	6573	5553
29 1957 Regional Report Surplus Deficit	3722	2779	3472	2237	364	261	690	818	3696	4509	1508	7762	6796	3765
30 1958 Regional Report Surplus Deficit	2581	-291	2377	1209	-78.7	-1148	1602	3048	2742	1023	2585	6973	6188	3265
31 1959 Regional Report Surplus Deficit	2167	32.1	2367	1659	1482	1688	2941	4484	3526	3971	1132	5470	6113	5618
32 1960 Regional Report Surplus Deficit	3925	3416	6209	6220	3539	1366	1571	2956	3194	5410	3225	4335	5705	4269
33 1961 Regional Report Surplus Deficit	3102	9.68	2368	1593	647	-832	1167	3247	4596	3328	-323	5623	5812	3340
34 1962 Regional Report Surplus Deficit	2067	2.42	2241	1178	97.7	-1001	1215	2973	842	1748	4391	5467	5092	3405
35 1963 Regional Report Surplus Deficit	2694	907	2651	2680	1757	1307	1596	3190	1165	-398	-2094	4948	5955	4150
36 1964 Regional Report Surplus Deficit	1943	202	3468	1165	157	-845	292	1472	247	1227	-856	5352	7056	5943
37 1965 Regional Report Surplus Deficit	3948	3107	4508	2914	1322	2339	3075	4948	5302	1334	5014	6388	5730	4853
38 1966 Regional Report Surplus Deficit	3908	2894	2774	2095	477	-416	1029	2465	1245	2263	92.1	3468	4819	3993

Regional Report Surplus Deficit By Water Year

Operating Year 2025

2018 White Book Report Date: 12/1/2018 *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	2623	111	2588	1064	-190	194	2380	4086	4046	1753	-2264	5162	6495	5515
40 1968 Regional Report Surplus Deficit	3244	2083	3439	1786	968	-431	1681	3724	4406	-1645	-2721	3438	5777	4524
41 1969 Regional Report Surplus Deficit	3381	2864	4927	3190	2445	765	2731	4384	4310	4525	4673	7133	5932	4855
42 1970 Regional Report Surplus Deficit	1610	108	2700	1946	483	-1436	1480	3324	1974	-1064	-2376	5227	6464	3501
43 1971 Regional Report Surplus Deficit	1594	-287	2238	1274	-60.2	-647	2956	4720	5600	4442	3169	7089	6902	5961
44 1972 Regional Report Surplus Deficit	4250	3885	3924	2399	793	61.4	2767	4926	6217	5881	2582	6792	6248	5767
45 1973 Regional Report Surplus Deficit	4188	4048	4147	2200	882	-461	1156	2434	878	-1666	-4101	-86.0	2172	1157
46 1974 Regional Report Surplus Deficit	1016	-1488	2145	1108	-162	857	3254	4708	5910	5129	4573	5975	6597	6065
47 1975 Regional Report Surplus Deficit	4329	4076	3926	1230	12.3	-1216	1278	2775	4075	-213	-1104	5859	6670	6109
48 1976 Regional Report Surplus Deficit	3378	2569	4187	3551	2847	2581	2988	4593	4728	5144	3070	7095	6020	5777
49 1977 Regional Report Surplus Deficit	4427	4380	6727	2301	116	-2140	-912	-346	-698	-2071	-3907	-520	526	-1226
50 1978 Regional Report Surplus Deficit	-428	-2168	635	-87.2	-555	-693	888	2064	2394	4497	950	6083	4551	4823
51 1979 Regional Report Surplus Deficit	2801	973	4757	2247	568	-1923	-48.1	303	2833	-957	-457	6000	3381	442
52 1980 Regional Report Surplus Deficit	-33.7	-1355	2294	1206	-302	-2616	317	352	7.21	1127	1798	7275	6008	3682
53 1981 Regional Report Surplus Deficit	-8.64	-764	2472	1130	523	1261	2359	4082	1472	-1938	-1899	5437	6561	5313
54 1982 Regional Report Surplus Deficit	3966	3294	3362	1625	985	-533	1964	4985	6049	4623	1075	6388	6761	6134
55 1983 Regional Report Surplus Deficit	4275	3869	5037	3355	1216	235	2402	4475	5482	3376	410	5656	5658	5790
56 1984 Regional Report Surplus Deficit	4030	3572	4183	2110	3316	703	2240	3883	4953	2987	3700	5740	6692	5698
57 1985 Regional Report Surplus Deficit	3666	1232	4139	2203	1252	-417	583	1582	1328	2583	2282	5100	3062	1418
58 1986 Regional Report Surplus Deficit	-131	-1262	2456	2496	1863	-302	1587	4176	6001	4610	3436	4846	5479	2878
59 1987 Regional Report Surplus Deficit	1846	-637	2408	1122	734	-392	2.64	-139	2239	-1039	-988	5017	2866	94.5
60 1988 Regional Report Surplus Deficit	268	-1281	1943	809	-1284	-2867	-2790	-1334	-359	-1730	-1683	847	2945	2664
61 1989 Regional Report Surplus Deficit	1115	-482	2107	871	-103	-1331	-1466	-2127	2491	1964	4208	4921	3561	1928
62 1990 Regional Report Surplus Deficit	484	-508	2214	1208	594	88.6	1125	3456	3281	1712	3693	4671	5691	4247
63 1991 Regional Report Surplus Deficit	3141	1780	2464	1025	2862	772	2170	3797	3416	2323	-20.7	4907	5570	5447
64 1992 Regional Report Surplus Deficit	3942	2467	2598	1078	-25.4	-2690	-682	89.9	903	-2169	-2657	3582	1448	-781
65 1993 Regional Report Surplus Deficit	-242	-1681	1655	642	-638	-2344	-2276	-2904	1110	-761	-2789	5791	4662	3233
66 1994 Regional Report Surplus Deficit	934	-536	1945	1009	-292	-2217	-1999	-291	-143	-1907	-770	2695	2134	2244
67 1995 Regional Report Surplus Deficit	415	-1376	2089	903	-1020	-2068	27.0	2165	3833	177	-2873	5465	5978	4428
68 1996 Regional Report Surplus Deficit	2098	-76.7	2966	3058	3668	2468	3234	5271	6101	4907	5407	6685	6109	5519
69 1997 Regional Report Surplus Deficit	3780	2785	3385	1642	827	783	3267	4762	6027	5024	5070	6835	6108	5745
70 1998 Regional Report Surplus Deficit	3847	3903	5036	5529	2403	-328	749	3541	2644	-720	-1790	6904	6575	4780
71 1999 Regional Report Surplus Deficit	3432	2233	2548	1412	-336	624	2716	4618	5633	2454	2961	5574	6635	5868
72 2000 Regional Report Surplus Deficit	4619	4307	3986	1702	3234	1342	1427	2808	3558	4363	4597	5391	2944	3991
73 2001 Regional Report Surplus Deficit	3020	-521	2289	1417	-147	-2402	-1309	-932	-533	-2108	-3866	108	617	-463
74 2002 Regional Report Surplus Deficit	-127	-2234	804	-164	-649	-1577	-1491	-421	843	1236	3025	4172	6014	5222
75 2003 Regional Report Surplus Deficit	1400	293	2362	1256	50.5	-2357	-1367	480	3366	523	-492	2687	5735	2072
76 2004 Regional Report Surplus Deficit	-418	-1510	1497	862	24.9	-918	-925	-826	1108	-171	-1107	3499	4347	2164
77 2005 Regional Report Surplus Deficit	-200	5.75	3496	1807	218	-448	386	2384	991	-2148	-2647	3766	3919	2936

Regional Report Surplus Deficit By Water Year
Operating Year 2025
2018 White Book Report Date: **12/1/2018** *Continued*
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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	802	-1130	1903	724	441	-830	1936	3921	3197	4995	4174	6570	6269	3734
79 2007 Regional Report Surplus Deficit	751	-1215	1357	757	420	-630	1173	1676	4860	2205	-596	5419	4559	3901
80 2008 Regional Report Surplus Deficit	606	-1324	1069	935	-285	-2060	-729	243	1333	-328	-2258	5671	7028	5197
Ranked Averages														
81 Bottom 10 pct	-277	-1611	1672	848	-117	-1273	-685	400	1649	417	-850	3978	4584	2900
82 Middle 80 pct	2141	619	2780	1724	563	-565	810	2228	2827	1622	1024	5003	5161	3794
83 Top 10 pct	4320	3995	4674	2284	1360	10.7	1362	2859	3007	1705	-57.6	4118	4556	4119

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Regional Report Surplus Deficit By Water Year

Operating Year 2026

2018 White Book Report Date: 12/1/2018

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	1546	565	2483	1326	-264	-3233	-2872	-1746	-1089	-1899	-3411	707	4839	-762
2 1930 Regional Report Surplus Deficit	446	-760	2103	932	-776	-3503	-4273	-1725	-1192	-1713	-2850	951	2575	1169
3 1931 Regional Report Surplus Deficit	716	-632	2002	943	-1037	-3228	-4175	-2150	-1373	-1960	-3821	969	1315	135
4 1932 Regional Report Surplus Deficit	502	-1402	1678	507	-1370	-3350	-2882	-4398	1545	2572	4074	7097	6080	3391
5 1933 Regional Report Surplus Deficit	1893	555	2906	1122	-555	-882	357	2055	1711	733	-863	4914	7058	4762
6 1934 Regional Report Surplus Deficit	3927	3070	3388	2323	3150	1377	2090	3572	4344	4905	3863	5447	4183	-90.9
7 1935 Regional Report Surplus Deficit	-296	-606	1384	729	-1035	-2452	258	1702	1837	-951	-187	4611	4023	3482
8 1936 Regional Report Surplus Deficit	3423	5.71	1933	946	-504	-3335	-4020	-3069	-831	-1331	2843	7218	5709	2246
9 1937 Regional Report Surplus Deficit	210	-742	1624	990	-651	-3282	-4482	-3939	-1827	-2123	-3928	1566	4126	544
10 1938 Regional Report Surplus Deficit	1053	-555	2251	988	-537	-1730	-292	948	3228	3321	4439	6740	5194	3771
11 1939 Regional Report Surplus Deficit	303	-817	2337	1086	-564	-3223	-918	-73.1	530	-280	723	4870	3186	1420
12 1940 Regional Report Surplus Deficit	264	-804	1859	1065	-208	-1722	-944	-640	2672	1604	-528	5170	3025	-943
13 1941 Regional Report Surplus Deficit	-615	-1835	1746	745	-596	-2163	-2140	-1127	28.4	-2340	-4409	687	2444	115
14 1942 Regional Report Surplus Deficit	644	-1192	2344	652	306	-84.4	-175	816	-963	-1298	-1771	2947	5865	4049
15 1943 Regional Report Surplus Deficit	1846	1117	3236	1197	-780	-2248	739	2051	2941	5721	5026	5705	6991	4888
16 1944 Regional Report Surplus Deficit	2546	626	2641	1095	-830	-3097	-1884	-1690	-1518	-2124	-4156	350	1666	-1797
17 1945 Regional Report Surplus Deficit	-398	-2575	853	189	-1085	-3300	-3501	-2132	-1198	-2153	-3732	4227	5862	-47.5
18 1946 Regional Report Surplus Deficit	628	-741	2099	830	-448	-1612	-385	1103	2132	4237	4782	6780	5205	4334
19 1947 Regional Report Surplus Deficit	3245	1701	3146	1121	592	1456	1527	2905	3458	2936	841	6667	5655	3852
20 1948 Regional Report Surplus Deficit	1912	330	2534	4874	2198	-71.4	1333	2572	1974	1845	3256	7719	6351	4365
21 1949 Regional Report Surplus Deficit	3889	3186	3574	1762	151	-1941	-633	661	3466	3042	3878	7175	5177	179
22 1950 Regional Report Surplus Deficit	-204	-1219	1857	1020	-570	-1524	1324	2961	4152	4518	2186	5763	7087	5089
23 1951 Regional Report Surplus Deficit	3965	3008	3693	2969	2735	1691	2107	4142	4633	4997	3590	6663	5553	4572
24 1952 Regional Report Surplus Deficit	3366	484	3200	4382	1449	14.2	1135	2899	2078	4522	5071	7688	5784	3833
25 1953 Regional Report Surplus Deficit	1875	-99.9	1741	1086	-934	-3521	-1496	3652	1118	-2000	-1519	5607	7149	4882
26 1954 Regional Report Surplus Deficit	2501	1208	3161	1657	523	-846	1030	3312	2833	1933	719	6599	6134	4953
27 1955 Regional Report Surplus Deficit	4219	4107	5698	1861	1466	-997	-1243	-344	-1989	-1574	-2972	4055	7120	4950
28 1956 Regional Report Surplus Deficit	3801	2096	3014	2181	2013	1500	2061	3690	4483	4183	4631	7444	6782	4635
29 1957 Regional Report Surplus Deficit	3562	2633	3350	2105	124	-512	-265	-144	2745	4299	1275	8130	6981	2844
30 1958 Regional Report Surplus Deficit	2440	-464	2259	1062	-323	-1928	640	2095	1793	776	2353	7395	6381	2330
31 1959 Regional Report Surplus Deficit	2027	-134	2248	1523	1265	925	1941	3485	2587	3748	899	5897	6359	4693
32 1960 Regional Report Surplus Deficit	3761	3270	6094	6083	3301	604	693	1808	2248	5148	2996	4801	5950	3356
33 1961 Regional Report Surplus Deficit	2954	-158	2249	1456	416	-1609	206	2296	3648	3100	-569	6049	6007	2415
34 1962 Regional Report Surplus Deficit	1926	-157	2123	1028	-145	-1779	292	1958	-127	1541	4166	5896	5338	2479
35 1963 Regional Report Surplus Deficit	2551	754	2533	2552	1543	543	625	2238	213	-672	-2318	5406	6167	3229
36 1964 Regional Report Surplus Deficit	1803	40.5	3344	1017	-85.3	-1622	-604	433	-732	989	-1085	5764	7242	5007
37 1965 Regional Report Surplus Deficit	3784	2962	4376	2788	1103	1468	2105	3911	4378	1201	4790	6816	5979	3939
38 1966 Regional Report Surplus Deficit	3745	2748	2655	1965	243	-1191	160	1367	283	2032	-140	3973	5067	3070

Regional Report Surplus Deficit By Water Year

Operating Year 2026

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	2480	-53.7	2469	918	-440	-578	1411	3109	3107	1492	-2489	5591	6688	4596
40 1968 Regional Report Surplus Deficit	3094	1936	3315	1652	744	-1206	717	2773	3472	-1968	-2935	3942	6004	3609
41 1969 Regional Report Surplus Deficit	3227	2719	4791	3064	2234	-3.73	1771	3380	3162	4309	4496	7554	6211	3938
42 1970 Regional Report Surplus Deficit	1464	-56.6	2582	1812	249	-2216	521	2373	1025	-1341	-2598	5643	6718	2574
43 1971 Regional Report Surplus Deficit	1447	-457	2120	1129	-306	-1423	2005	3684	4649	4245	2953	7456	7080	5033
44 1972 Regional Report Surplus Deficit	4086	3740	3800	2268	559	-713	1786	3901	5291	5586	2350	7179	6411	4847
45 1973 Regional Report Surplus Deficit	4025	3905	4020	2069	651	-1237	201	1480	-74.6	-1958	-4423	602	2532	219
46 1974 Regional Report Surplus Deficit	868	-1670	2027	965	-415	89.1	2325	3672	4981	4904	4387	6402	6810	5108
47 1975 Regional Report Surplus Deficit	4169	3933	3800	1076	-237	-1996	361	1743	3153	-471	-1334	6271	6937	5197
48 1976 Regional Report Surplus Deficit	3228	2422	4058	3425	2634	1684	2016	3568	3775	4888	2841	7490	6248	4833
49 1977 Regional Report Surplus Deficit	4315	4273	6627	2170	-129	-2921	-1929	-1216	-1668	-2363	-4183	235	1054	-2169
50 1978 Regional Report Surplus Deficit	-578	-2342	514	-245	-804	-1470	-65.4	1048	1513	4220	734	6509	4808	3905
51 1979 Regional Report Surplus Deficit	2659	819	4622	2119	336	-2704	-997	-671	1885	-1235	-688	6427	3717	-500
52 1980 Regional Report Surplus Deficit	-208	-1542	2175	1064	-548	-3400	-632	-621	-957	881	1565	7684	6216	2756
53 1981 Regional Report Surplus Deficit	-186	-944	2351	988	293	496	1384	3131	522	-2230	-2125	5864	6806	4389
54 1982 Regional Report Surplus Deficit	3801	3148	3238	1486	761	-1310	994	3949	5117	4403	852	6814	6970	5173
55 1983 Regional Report Surplus Deficit	4111	3724	4901	3229	993	-538	1427	3523	4554	3163	177	6082	5906	4875
56 1984 Regional Report Surplus Deficit	3866	3426	4056	1976	3098	-67.0	1268	2932	4019	2768	3473	6167	6924	4762
57 1985 Regional Report Surplus Deficit	3510	1079	4012	2068	1025	-1194	-320	542	376	2356	2051	5537	3418	482
58 1986 Regional Report Surplus Deficit	-330	-1477	2338	2366	1649	-1077	626	3225	5074	4408	3205	5294	5711	1948
59 1987 Regional Report Surplus Deficit	1703	-813	2290	968	505	-1168	-947	-1117	1290	-1310	-1218	5450	3206	-849
60 1988 Regional Report Surplus Deficit	91.4	-1468	1825	665	-1530	-3652	-3824	-2326	-1321	-2023	-1910	1599	3302	1734
61 1989 Regional Report Surplus Deficit	966	-651	1989	724	-346	-2109	-2441	-3148	1550	1773	3983	5361	3901	993
62 1990 Regional Report Surplus Deficit	315	-682	2096	1066	364	-682	215	2455	2329	1448	3465	5111	5903	3323
63 1991 Regional Report Surplus Deficit	2990	1633	2346	875	2643	5.58	1209	2771	2464	2091	-253	5343	5820	4507
64 1992 Regional Report Surplus Deficit	3777	2321	2479	929	-269	-3475	-1635	-885	-49.2	-2462	-2881	4062	1874	-1725
65 1993 Regional Report Surplus Deficit	-406	-1859	1537	500	-878	-3125	-3274	-3933	161	-1034	-3054	6224	4995	2157
66 1994 Regional Report Surplus Deficit	793	-703	1827	867	-526	-2998	-2992	-1269	-1106	-2199	-1000	3245	2513	1312
67 1995 Regional Report Surplus Deficit	257	-1553	1971	762	-1274	-2849	-923	1209	2902	-122	-3085	5900	6198	3516
68 1996 Regional Report Surplus Deficit	1956	-243	2843	2932	3419	1571	2291	4235	5165	4666	5201	7107	6360	4599
69 1997 Regional Report Surplus Deficit	3618	2640	3263	1503	599	13.5	2293	3725	5120	4790	4866	7253	6339	4828
70 1998 Regional Report Surplus Deficit	3684	3758	4901	5390	2193	-1104	-200	2590	1697	-994	-2015	7327	6826	3865
71 1999 Regional Report Surplus Deficit	3279	2086	2430	1265	-593	-146	1738	3592	4793	2262	2723	6001	6867	4957
72 2000 Regional Report Surplus Deficit	4497	4165	3859	1563	3009	577	468	1856	2606	4147	4373	5820	3346	3070
73 2001 Regional Report Surplus Deficit	2873	-699	2171	1274	-393	-3183	-2266	-1919	-1499	-2400	-4115	857	1145	-1403
74 2002 Regional Report Surplus Deficit	-275	-2415	684	-321	-897	-2357	-2634	-1274	-40.3	1013	2795	4635	6232	4308
75 2003 Regional Report Surplus Deficit	1250	131	2243	1119	-187	-3138	-2341	-487	2425	271	-724	3248	5964	1139
76 2004 Regional Report Surplus Deficit	-618	-1724	1378	721	-200	-1695	-1882	-1814	158	-432	-1337	4011	4614	1231
77 2005 Regional Report Surplus Deficit	-385	-159	3369	1678	-13.6	-1222	-568	1432	40.1	-2441	-2911	4266	4199	2006

Regional Report Surplus Deficit By Water Year
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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	651	-1306	1784	581	215	-1606	1026	2872	2250	4748	3948	6994	6514	2810
79 2007 Regional Report Surplus Deficit	584	-1400	1235	608	191	-1406	212	719	3930	1924	-820	5847	4801	2974
80 2008 Regional Report Surplus Deficit	434	-1538	948	798	-515	-2841	-1683	-725	381	-601	-2479	6085	7223	4285
Ranked Averages														
81 Bottom 10 pct	-453	-1572	1640	835	-370	-2063	-1318	-200	952	-90.4	-1461	4479	4582	1850
82 Middle 80 pct	1986	428	2648	1568	329	-1346	-195	1188	1849	1404	846	5472	5459	2878
83 Top 10 pct	4173	3857	4550	2150	1131	-767	397	1886	2063	1441	-303	4613	4857	3195

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	580	-394	1567	396	-1110	-3481	-3009	-1916	-1205	-1514	-3557	-758	3556	-884
2 1930 Regional Report Surplus Deficit	-507	-1701	1187	-3.30	-1630	-3750	-4383	-1847	-1307	-1344	-2989	-613	1117	1036
3 1931 Regional Report Surplus Deficit	-246	-1575	1085	4.41	-1892	-3475	-4294	-2274	-1490	-1589	-3969	-555	-200	3.42
4 1932 Regional Report Surplus Deficit	-468	-2348	761	-422	-2210	-3598	-3048	-4458	1428	2877	3939	5893	4810	3250
5 1933 Regional Report Surplus Deficit	923	-404	1993	189	-1395	-1138	132	1899	1635	1081	-991	3695	5915	4620
6 1934 Regional Report Surplus Deficit	2979	2105	2476	1375	2292	1245	1894	3497	4195	5240	3676	4242	2931	-218
7 1935 Regional Report Surplus Deficit	-1224	-1551	467	-207	-1859	-2700	26.6	1547	1783	-604	-315	3371	2681	3337
8 1936 Regional Report Surplus Deficit	2469	-941	1016	15.7	-1350	-3582	-4126	-3173	-951	-966	2707	6016	4462	2106
9 1937 Regional Report Surplus Deficit	-737	-1677	708	54.8	-1509	-3529	-4589	-4026	-1936	-1738	-4075	54.1	2817	415
10 1938 Regional Report Surplus Deficit	91.5	-1495	1335	56.8	-1379	-1980	-492	849	3051	3601	4297	5535	3943	3625
11 1939 Regional Report Surplus Deficit	-629	-1747	1422	153	-1404	-3470	-1180	-131	404	86.9	582	3618	1775	1286
12 1940 Regional Report Surplus Deficit	-673	-1738	943	126	-1069	-1974	-1147	-778	2534	1955	-657	3938	1634	-1065
13 1941 Regional Report Surplus Deficit	-1537	-2761	830	-187	-1456	-2413	-2327	-1254	-105	-1969	-4556	-858	1062	-16.1
14 1942 Regional Report Surplus Deficit	-323	-2132	1429	-276	-558	-344	-373	661	-1080	-929	-1903	1593	4605	3905
15 1943 Regional Report Surplus Deficit	875	155	2327	260	-1612	-2496	554	1892	2793	6099	4889	4496	5725	4763
16 1944 Regional Report Surplus Deficit	1576	-330	1725	170	-1675	-3344	-2148	-1711	-1626	-1739	-4194	-1115	200	-1920
17 1945 Regional Report Surplus Deficit	-1360	-3504	-64.1	-739	-1933	-3547	-3629	-2245	-1311	-1768	-3834	2971	4608	-171
18 1946 Regional Report Surplus Deficit	-329	-1677	1182	-95.9	-1297	-1863	-433	712	1992	4536	4645	5562	3948	4183
19 1947 Regional Report Surplus Deficit	2284	738	2233	198	-272	1187	1322	2829	3321	3274	713	5463	4403	3708
20 1948 Regional Report Surplus Deficit	941	-622	1619	3935	1315	-331	1157	2411	1843	2162	3124	6571	5126	4220
21 1949 Regional Report Surplus Deficit	2940	2221	2665	821	-705	-2191	-834	507	3334	3369	3744	5971	3920	51.2
22 1950 Regional Report Surplus Deficit	-1120	-2115	941	94.3	-1411	-1776	1127	2931	3846	4809	2057	4574	5839	4948
23 1951 Regional Report Surplus Deficit	3017	2043	2783	2019	1854	1459	1917	4067	4484	5332	3457	5479	4309	4422
24 1952 Regional Report Surplus Deficit	2408	-469	2286	3438	572	-245	958	2738	1972	4822	4933	6510	4537	3681
25 1953 Regional Report Surplus Deficit	903	-1043	825	157	-1782	-3768	-1763	3513	1012	-1615	-1653	4391	5961	4730
26 1954 Regional Report Surplus Deficit	1530	247	2247	718	-340	-1100	815	3155	2734	2313	602	5394	4890	4833
27 1955 Regional Report Surplus Deficit	3234	3131	4794	918	586	-1252	-1443	-490	-2097	-1178	-3116	2822	5888	4810
28 1956 Regional Report Surplus Deficit	2853	1131	2099	1236	1130	1231	1874	3534	4328	4468	4492	6267	5556	4487
29 1957 Regional Report Surplus Deficit	2609	1668	2438	1161	-730	-768	-462	-293	2619	4601	1147	6984	5779	2699
30 1958 Regional Report Surplus Deficit	1469	-1402	1342	133	-1172	-2177	449	1937	1664	1115	2224	6196	5171	2199
31 1959 Regional Report Surplus Deficit	1055	-1079	1332	583	388	659	1789	3372	2448	4063	772	4692	5096	4552
32 1960 Regional Report Surplus Deficit	2812	2305	5174	5144	2446	338	419	1844	2117	5502	2864	3557	4688	3204
33 1961 Regional Report Surplus Deficit	1990	-1101	1333	517	-446	-1860	15.2	2135	3518	3421	-683	4845	4795	2274
34 1962 Regional Report Surplus Deficit	955	-1109	1206	102	-996	-2030	62.4	1861	-236	1840	4030	4689	4075	2339
35 1963 Regional Report Surplus Deficit	1582	-204	1616	1604	664	279	444	2078	86.9	-306	-2455	4170	4938	3084
36 1964 Regional Report Surplus Deficit	831	-909	2433	89.5	-936	-1873	-861	360	-831	1320	-1216	4574	6039	4877
37 1965 Regional Report Surplus Deficit	2835	1996	3473	1838	228	1311	1923	3836	4224	1426	4653	5610	4712	3787
38 1966 Regional Report Surplus Deficit	2796	1783	1739	1019	-617	-1445	-123	1353	167	2356	-269	2691	3802	2927

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	1511	-1000	1553	-11.8	-1283	-834	1228	2974	2968	1846	-2625	4384	5478	4449
40 1968 Regional Report Surplus Deficit	2132	972	2404	710	-125	-1459	528	2612	3328	-1553	-3082	2661	4760	3458
41 1969 Regional Report Surplus Deficit	2269	1753	3893	2114	1351	-264	1579	3272	3232	4617	4312	6355	4914	3789
42 1970 Regional Report Surplus Deficit	498	-1003	1666	870	-611	-2464	327	2212	896	-972	-2736	4449	5447	2435
43 1971 Regional Report Surplus Deficit	482	-1398	1203	198	-1154	-1675	1804	3608	4522	4535	2808	6311	5885	4895
44 1972 Regional Report Surplus Deficit	3138	2774	2889	1323	-301	-967	1615	3815	5139	5973	2221	6015	5231	4701
45 1973 Regional Report Surplus Deficit	3076	2937	3112	1124	-212	-1489	3.73	1322	-200	-1573	-4462	-864	1155	91.3
46 1974 Regional Report Surplus Deficit	-96.5	-2599	1110	32.1	-1255	-171	2102	3597	4832	5222	4212	5197	5580	4999
47 1975 Regional Report Surplus Deficit	3217	2965	2891	153	-1081	-2244	125	1663	2997	-121	-1465	5082	5653	5043
48 1976 Regional Report Surplus Deficit	2266	1457	3152	2475	1754	1553	1836	3481	3650	5237	2710	6318	5003	4711
49 1977 Regional Report Surplus Deficit	3315	3269	5692	1225	-977	-3168	-2064	-1458	-1776	-1978	-4268	-1298	-491	-2292
50 1978 Regional Report Surplus Deficit	-1541	-3279	-400	-1163	-1648	-1721	-265	952	1316	4590	590	5306	3534	3757
51 1979 Regional Report Surplus Deficit	1689	-138	3722	1171	-525	-2952	-1200	-808	1755	-865	-818	5222	2364	-623
52 1980 Regional Report Surplus Deficit	-1146	-2466	1259	130	-1396	-3645	-835	-759	-1071	1219	1437	6498	4991	2617
53 1981 Regional Report Surplus Deficit	-1121	-1875	1437	53.7	-571	233	1206	2970	394	-1845	-2259	4659	5544	4247
54 1982 Regional Report Surplus Deficit	2854	2183	2327	549	-109	-1562	812	3873	4971	4715	714	5611	5744	5068
55 1983 Regional Report Surplus Deficit	3162	2758	4002	2279	123	-793	1249	3363	4404	3469	49.2	4878	4641	4725
56 1984 Regional Report Surplus Deficit	2917	2461	3148	1034	2222	-325	1087	2771	3875	3080	3339	4962	5675	4632
57 1985 Regional Report Surplus Deficit	2553	121	3104	1127	158	-1446	-570	470	250	2676	1922	4322	2045	353
58 1986 Regional Report Surplus Deficit	-1243	-2373	1421	1420	770	-1331	435	3064	4923	4702	3076	4068	4462	1812
59 1987 Regional Report Surplus Deficit	734	-1748	1373	46.1	-359	-1420	-1150	-1251	1161	-946	-1349	4239	1848	-971
60 1988 Regional Report Surplus Deficit	-845	-2392	908	-267	-2378	-3896	-3943	-2446	-1437	-1638	-2044	68.9	1928	1598
61 1989 Regional Report Surplus Deficit	2.24	-1593	1072	-205	-1196	-2359	-2618	-3239	1413	2056	3847	4143	2544	862
62 1990 Regional Report Surplus Deficit	-628	-1619	1179	132	-499	-940	-27.6	2345	2203	1805	3332	3893	4674	3181
63 1991 Regional Report Surplus Deficit	2028	669	1430	-50.5	1768	-256	1018	2685	2338	2415	-381	4129	4553	4381
64 1992 Regional Report Surplus Deficit	2829	1356	1563	1.70	-1119	-3718	-1834	-1022	-175	-2077	-3018	2804	431	-1847
65 1993 Regional Report Surplus Deficit	-1354	-2792	620	-434	-1731	-3372	-3428	-4016	32.5	-668	-3149	5013	3645	2167
66 1994 Regional Report Surplus Deficit	-178	-1647	910	-66.8	-1386	-3246	-3151	-1403	-1221	-1814	-1130	1918	1117	1179
67 1995 Regional Report Surplus Deficit	-698	-2487	1054	-173	-2114	-3096	-1125	1053	2755	269	-3233	4687	4960	3362
68 1996 Regional Report Surplus Deficit	985	-1188	1931	1982	2574	1440	2082	4159	5024	4999	5046	5907	5092	4454
69 1997 Regional Report Surplus Deficit	2667	1674	2350	566	-266	-245	2114	3650	4949	5116	4726	6058	5091	4680
70 1998 Regional Report Surplus Deficit	2734	2792	4001	4453	1310	-1357	-403	2430	1566	-627	-2151	6126	5558	3714
71 1999 Regional Report Surplus Deficit	2319	1122	1513	336	-1430	-404	1564	3506	4555	2546	2600	4796	5617	4803
72 2000 Regional Report Surplus Deficit	3506	3196	2951	626	2141	314	275	1696	2480	4455	4237	4613	1927	2925
73 2001 Regional Report Surplus Deficit	1907	-1632	1254	341	-1240	-3430	-2461	-2044	-1611	-2015	-4227	-670	-400	-1528
74 2002 Regional Report Surplus Deficit	-1239	-3345	-231	-1240	-1743	-2605	-2643	-1533	-235	1329	2664	3395	4997	4156
75 2003 Regional Report Surplus Deficit	288	-818	1327	180	-1043	-3385	-2520	-632	2288	616	-853	1910	4718	1006
76 2004 Regional Report Surplus Deficit	-1530	-2621	462	-214	-1069	-1947	-2077	-1938	30.5	-78.8	-1468	2722	3330	1099
77 2005 Regional Report Surplus Deficit	-1313	-1105	2461	731	-875	-1476	-766	1273	-86.6	-2056	-3007	2988	2902	1870

Regional Report Surplus Deficit By Water Year
Operating Year 2027
2018 White Book Report Date: **12/1/2018** *Continued*
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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	-310	-2241	868	-352	-652	-1858	784	2809	2119	5088	3813	5792	5252	2669
79 2007 Regional Report Surplus Deficit	-361	-2326	322	-319	-674	-1658	20.4	564	3782	2297	-956	4641	3542	2835
80 2008 Regional Report Surplus Deficit	-506	-2435	34.6	-141	-1378	-3089	-1881	-869	255	-235	-2618	4893	6011	4131
Ranked Averages														
81 Bottom 10 pct	-1390	-2722	638	-228	-1211	-2302	-1838	-712	571	510	-1211	3200	3567	1834
82 Middle 80 pct	1028	-492	1745	648	-530	-1593	-343	1116	1749	1715	664	4225	4144	2728
83 Top 10 pct	3208	2884	3639	1208	267	-1018	210	1747	1929	1797	-418	3341	3539	3053

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Regional Report Surplus Deficit By Water Year

Operating Year 2028

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	469	-515	1422	174	-1298	-3650	-3256	-1625	-1354	-2864	-4473	517	4530	-1149
2 1930 Regional Report Surplus Deficit	-631	-1839	1042	-221	-1810	-3919	-4657	-1603	-1457	-2677	-3912	761	2266	783
3 1931 Regional Report Surplus Deficit	-360	-1711	941	-209	-2071	-3644	-4559	-2028	-1638	-2924	-4883	779	1006	-251
4 1932 Regional Report Surplus Deficit	-575	-2482	617	-646	-2404	-3767	-3266	-4276	1280	1608	3012	6907	5771	3005
5 1933 Regional Report Surplus Deficit	816	-524	1845	-30.7	-1589	-1298	-26.7	2176	1446	-231	-1925	4724	6749	4376
6 1934 Regional Report Surplus Deficit	2850	1991	2327	1170	2116	961	1706	3693	4079	3940	2800	5257	3874	-477
7 1935 Regional Report Surplus Deficit	-1373	-1686	323	-424	-2069	-2869	-126	1823	1572	-1915	-1249	4421	3714	3096
8 1936 Regional Report Surplus Deficit	2346	-1074	872	-207	-1538	-3751	-4404	-2948	-1096	-2296	1781	7028	5400	1860
9 1937 Regional Report Surplus Deficit	-867	-1822	563	-163	-1686	-3698	-4866	-3818	-2092	-3087	-4991	1376	3817	158
10 1938 Regional Report Surplus Deficit	-24.0	-1635	1190	-165	-1571	-2146	-676	1070	2962	2356	3377	6550	4885	3384
11 1939 Regional Report Surplus Deficit	-773	-1896	1276	-66.7	-1598	-3639	-1302	48.4	264	-1244	-340	4680	2877	1034
12 1940 Regional Report Surplus Deficit	-813	-1883	798	-87.6	-1242	-2139	-1328	-519	2407	639	-1590	4980	2716	-1329
13 1941 Regional Report Surplus Deficit	-1691	-2915	685	-407	-1630	-2579	-2525	-1006	-237	-3304	-5471	497	2135	-272
14 1942 Regional Report Surplus Deficit	-433	-2272	1283	-500	-728	-501	-559	938	-1229	-2263	-2833	2757	5556	3662
15 1943 Regional Report Surplus Deficit	769	37.2	2175	44.8	-1814	-2664	355	2173	2676	4756	3964	5515	6682	4501
16 1944 Regional Report Surplus Deficit	1469	-454	1580	-56.9	-1864	-3514	-2268	-1568	-1783	-3088	-5218	160	1357	-2183
17 1945 Regional Report Surplus Deficit	-1475	-3654	-208	-963	-2119	-3716	-3885	-2011	-1463	-3118	-4795	4037	5553	-434
18 1946 Regional Report Surplus Deficit	-448	-1821	1038	-322	-1482	-2028	-769	1225	1866	3272	3720	6590	4896	3947
19 1947 Regional Report Surplus Deficit	2168	621	2085	-31.6	-442	1040	1143	3026	3193	1971	-221	6477	5346	3465
20 1948 Regional Report Surplus Deficit	835	-749	1473	3721	1163	-488	949	2693	1709	880	2194	7529	6042	3978
21 1949 Regional Report Surplus Deficit	2812	2106	2513	610	-883	-2357	-1017	783	3200	2077	2815	6986	4868	-208
22 1950 Regional Report Surplus Deficit	-1281	-2298	796	-132	-1604	-1941	940	3082	3887	3553	1124	5574	6778	4703
23 1951 Regional Report Surplus Deficit	2889	1929	2632	1816	1701	1275	1723	4264	4367	4033	2528	6473	5244	4186
24 1952 Regional Report Surplus Deficit	2290	-596	2139	3230	415	-402	751	3020	1813	3558	4009	7498	5475	3446
25 1953 Regional Report Surplus Deficit	798	-1179	680	-66.6	-1968	-3937	-1880	3774	852	-2965	-2581	5417	6840	4495
26 1954 Regional Report Surplus Deficit	1424	129	2100	505	-511	-1262	646	3433	2568	968	-344	6409	5825	4566
27 1955 Regional Report Surplus Deficit	3142	3027	4637	708	432	-1413	-1627	-223	-2254	-2539	-4034	3865	6811	4563
28 1956 Regional Report Surplus Deficit	2724	1016	1953	1028	979	1084	1677	3812	4217	3218	3566	7254	6473	4249
29 1957 Regional Report Surplus Deficit	2485	1554	2289	953	-910	-928	-649	-22.8	2480	3334	213	7940	6672	2457
30 1958 Regional Report Surplus Deficit	1364	-1543	1197	-90.0	-1357	-2344	256	2217	1528	-188	1291	7205	6072	1943
31 1959 Regional Report Surplus Deficit	950	-1213	1187	370	231	509	1557	3607	2322	2783	-163	5707	6050	4306
32 1960 Regional Report Surplus Deficit	2684	2190	5033	4931	2267	187	309	1930	1983	4183	1934	4611	5641	2969
33 1961 Regional Report Surplus Deficit	1878	-1238	1188	304	-618	-2026	-178	2417	3383	2136	-1631	5859	5698	2029
34 1962 Regional Report Surplus Deficit	850	-1237	1062	-124	-1179	-2195	-91.9	2080	-392	576	3104	5706	5029	2093
35 1963 Regional Report Surplus Deficit	1475	-326	1472	1400	509	127	241	2359	-52.2	-1636	-3381	5216	5858	2843
36 1964 Regional Report Surplus Deficit	726	-1039	2283	-135	-1119	-2038	-988	554	-997	24.4	-2147	5574	6933	4620
37 1965 Regional Report Surplus Deficit	2707	1882	3315	1636	69.2	1052	1721	4033	4113	236	3728	6626	5670	3552
38 1966 Regional Report Surplus Deficit	2669	1669	1594	812	-791	-1608	-224	1489	17.4	1067	-1202	3783	4758	2684

Regional Report Surplus Deficit By Water Year
Operating Year 2028
2018 White Book Report Date: 12/1/2018 *Continued*
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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	1403	-1133	1408	-234	-1475	-994	1027	3230	2842	527	-3551	5401	6379	4210
40 1968 Regional Report Surplus Deficit	2018	857	2254	500	-291	-1622	333	2894	3207	-2933	-3998	3752	5695	3222
41 1969 Regional Report Surplus Deficit	2150	1639	3730	1911	1200	-420	1387	3501	2897	3345	3434	7364	5902	3552
42 1970 Regional Report Surplus Deficit	387	-1136	1521	660	-785	-2632	137	2494	760	-2306	-3661	5454	6409	2188
43 1971 Regional Report Surplus Deficit	371	-1537	1059	-23.0	-1340	-1840	1621	3805	4384	3281	1890	7266	6771	4647
44 1972 Regional Report Surplus Deficit	3009	2661	2739	1115	-475	-1129	1402	4023	5026	4621	1288	6989	6102	4461
45 1973 Regional Report Surplus Deficit	2948	2826	2959	916	-383	-1654	-183	1602	-340	-2923	-5486	412	2223	-167
46 1974 Regional Report Surplus Deficit	-209	-2749	966	-188	-1449	-327	1941	3793	4716	3939	3325	6212	6501	4722
47 1975 Regional Report Surplus Deficit	3092	2853	2739	-76.8	-1271	-2412	-23.2	1864	2888	-1436	-2396	6081	6628	4811
48 1976 Regional Report Surplus Deficit	2151	1343	2997	2272	1600	1268	1632	3689	3509	3923	1779	7300	5939	4446
49 1977 Regional Report Surplus Deficit	3238	3194	5566	1018	-1163	-3337	-2313	-1094	-1933	-3328	-5246	45.3	745	-2556
50 1978 Regional Report Surplus Deficit	-1655	-3422	-547	-1397	-1838	-1886	-449	1169	1248	3255	-329	6320	4499	3519
51 1979 Regional Report Surplus Deficit	1582	-260	3561	966	-698	-3121	-1381	-549	1620	-2200	-1750	6238	3408	-886
52 1980 Regional Report Surplus Deficit	-1285	-2621	1114	-87.9	-1583	-3816	-1016	-499	-1222	-83.6	503	7494	5907	2370
53 1981 Regional Report Surplus Deficit	-1263	-2023	1290	-164	-741	79.6	1000	3252	257	-3195	-3187	5674	6497	4002
54 1982 Regional Report Surplus Deficit	2725	2069	2177	333	-273	-1726	610	4071	4852	3438	-210	6624	6661	4786
55 1983 Regional Report Surplus Deficit	3034	2644	3840	2076	-40.8	-954	1043	3645	4289	2199	-885	5892	5597	4489
56 1984 Regional Report Surplus Deficit	2789	2346	2995	823	2064	-483	884	3054	3753	1803	2411	5977	6615	4376
57 1985 Regional Report Surplus Deficit	2434	-0.21	2951	916	-8.67	-1610	-704	663	110	1391	989	5347	3109	95.2
58 1986 Regional Report Surplus Deficit	-1407	-2557	1277	1214	615	-1493	242	3346	4809	3443	2143	5104	5402	1562
59 1987 Regional Report Surplus Deficit	626	-1892	1229	-184	-529	-1584	-1331	-996	1025	-2275	-2280	5260	2897	-1236
60 1988 Regional Report Surplus Deficit	-985	-2547	764	-488	-2565	-4069	-4208	-2204	-1586	-2987	-2972	1409	2993	1347
61 1989 Regional Report Surplus Deficit	-111	-1730	927	-429	-1380	-2526	-2825	-3027	1285	808	2921	5171	3592	607
62 1990 Regional Report Surplus Deficit	-762	-1762	1035	-86.3	-670	-1098	-169	2577	2064	483	2403	4921	5594	2937
63 1991 Regional Report Surplus Deficit	1913	553	1285	-278	1609	-411	825	2892	2198	1126	-1316	5153	5511	4121
64 1992 Regional Report Surplus Deficit	2701	1241	1418	-224	-1304	-3891	-2019	-763	-314	-3426	-3943	3872	1565	-2111
65 1993 Regional Report Surplus Deficit	-1483	-2938	476	-653	-1912	-3541	-3658	-3811	-104	-1999	-4117	6034	4686	1771
66 1994 Regional Report Surplus Deficit	-283	-1783	766	-286	-1560	-3414	-3376	-1147	-1371	-3164	-2062	3055	2204	925
67 1995 Regional Report Surplus Deficit	-819	-2633	910	-390	-2308	-3265	-1307	1330	2636	-1087	-4147	5710	5889	3129
68 1996 Regional Report Surplus Deficit	879	-1322	1782	1779	2385	1155	1907	4356	4900	3701	4139	6917	6051	4212
69 1997 Regional Report Surplus Deficit	2541	1560	2201	350	-435	-403	1909	3847	4855	3825	3801	7063	6030	4442
70 1998 Regional Report Surplus Deficit	2608	2679	3840	4237	1159	-1521	-584	2712	1432	-1959	-3077	7137	6517	3478
71 1999 Regional Report Surplus Deficit	2203	1007	1368	113	-1627	-562	1354	3714	4527	1297	1661	5811	6558	4571
72 2000 Regional Report Surplus Deficit	3420	3085	2798	410	1974	161	84.3	1977	2341	3182	3310	5630	3037	2684
73 2001 Regional Report Surplus Deficit	1796	-1779	1110	122	-1427	-3599	-2650	-1797	-1764	-3365	-5178	667	836	-1790
74 2002 Regional Report Surplus Deficit	-1352	-3495	-377	-1474	-1931	-2773	-3018	-1152	-306	48.7	1733	4445	5923	3921
75 2003 Regional Report Surplus Deficit	173	-949	1182	-33.1	-1221	-3554	-2725	-365	2160	-694	-1786	3059	5655	753
76 2004 Regional Report Surplus Deficit	-1694	-2804	317	-431	-1234	-2111	-2267	-1693	-108	-1396	-2399	3821	4305	844
77 2005 Regional Report Surplus Deficit	-1462	-1238	2308	525	-1048	-1638	-952	1553	-225	-3405	-3974	4077	3890	1620

Regional Report Surplus Deficit By Water Year

Operating Year 2028

2018 White Book Report Date: **12/1/2018** *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	-426	-2385	723	-572	-820	-2023	642	2994	1985	3783	2885	6804	6205	2424
79 2007 Regional Report Surplus Deficit	-493	-2480	174	-544	-844	-1822	-172	841	3665	960	-1882	5657	4492	2588
80 2008 Regional Report Surplus Deficit	-643	-2618	-113	-355	-1549	-3257	-2067	-604	116	-1566	-3542	5895	6914	3899
Ranked Averages														
81 Bottom 10 pct	-1530	-2652	579	-317	-1404	-2479	-1702	-78.6	687	-1055	-2524	4289	4273	1463
82 Middle 80 pct	909	-651	1587	415	-705	-1762	-579	1310	1584	439	-217	5282	5150	2492
83 Top 10 pct	3097	2777	3489	998	96.8	-1183	13.4	2007	1798	476	-1365	4423	4548	2809

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	323	-574	1260	27.8	-1397	-3825	-3311	-2243	-1470	-2304	-3883	-920	3256	-1234
2 1930 Regional Report Surplus Deficit	-764	-1881	880	-371	-1917	-4094	-4685	-2174	-1572	-2133	-3315	-775	816	687
3 1931 Regional Report Surplus Deficit	-503	-1755	778	-364	-2179	-3820	-4596	-2601	-1755	-2379	-4295	-717	-501	-346
4 1932 Regional Report Surplus Deficit	-725	-2527	455	-790	-2497	-3942	-3350	-4785	1163	2088	3612	5732	4510	2900
5 1933 Regional Report Surplus Deficit	666	-583	1686	-179	-1682	-1482	-170	1572	1370	292	-1317	3533	5614	4270
6 1934 Regional Report Surplus Deficit	2722	1925	2169	1007	2005	901	1592	3169	3930	4451	3350	4080	2630	-568
7 1935 Regional Report Surplus Deficit	-1480	-1731	160	-576	-2146	-3045	-275	1219	1518	-1393	-641	3209	2380	2987
8 1936 Regional Report Surplus Deficit	2212	-1121	710	-352	-1637	-3927	-4428	-3500	-1216	-1756	2381	5854	4161	1756
9 1937 Regional Report Surplus Deficit	-993	-1857	401	-313	-1796	-3874	-4891	-4353	-2201	-2527	-4401	-108	2516	65.2
10 1938 Regional Report Surplus Deficit	-165	-1675	1028	-311	-1665	-2324	-794	522	2786	2812	3970	5373	3643	3276
11 1939 Regional Report Surplus Deficit	-886	-1927	1115	-215	-1690	-3815	-1482	-458	139	-702	256	3456	1475	936
12 1940 Regional Report Surplus Deficit	-930	-1918	636	-242	-1356	-2318	-1449	-1105	2269	1166	-983	3777	1333	-1414
13 1941 Regional Report Surplus Deficit	-1794	-2941	523	-555	-1743	-2757	-2629	-1581	-370	-2759	-4882	-1020	761	-366
14 1942 Regional Report Surplus Deficit	-580	-2312	1123	-644	-844	-689	-675	334	-1345	-1718	-2229	1431	4304	3555
15 1943 Regional Report Surplus Deficit	618	-25.0	2021	-108	-1899	-2840	252	1564	2528	5310	4562	4334	5424	4414
16 1944 Regional Report Surplus Deficit	1319	-510	1418	-198	-1962	-3689	-2450	-2039	-1891	-2528	-4521	-1277	-101	-2269
17 1945 Regional Report Surplus Deficit	-1617	-3683	-371	-1107	-2219	-3892	-3931	-2572	-1576	-2558	-4160	2809	4307	-521
18 1946 Regional Report Surplus Deficit	-586	-1857	876	-464	-1584	-2207	-735	385	1727	3747	4319	5400	3647	3833
19 1947 Regional Report Surplus Deficit	2027	558	1926	-170	-558	843	1020	2502	3056	2485	387	5301	4103	3358
20 1948 Regional Report Surplus Deficit	684	-801	1313	3567	1028	-675	855	2084	1578	1372	2798	6409	4825	3870
21 1949 Regional Report Surplus Deficit	2683	2041	2358	453	-992	-2535	-1136	180	3069	2580	3418	5810	3619	-298
22 1950 Regional Report Surplus Deficit	-1377	-2295	634	-274	-1698	-2121	825	2603	3581	4020	1731	4412	5538	4599
23 1951 Regional Report Surplus Deficit	2760	1863	2476	1651	1567	1115	1615	3740	4219	4543	3130	5317	4008	4072
24 1952 Regional Report Surplus Deficit	2151	-649	1980	3070	285	-590	656	2411	1707	4033	4607	6348	4236	3332
25 1953 Regional Report Surplus Deficit	646	-1223	519	-211	-2069	-4112	-2064	3186	747	-2404	-1979	4230	5660	4380
26 1954 Regional Report Surplus Deficit	1274	67.3	1941	350	-627	-1444	513	2828	2469	1524	275	5233	4589	4483
27 1955 Regional Report Surplus Deficit	2977	2951	4487	550	299	-1596	-1745	-818	-2362	-1968	-3442	2660	5587	4461
28 1956 Regional Report Surplus Deficit	2596	951	1793	868	843	887	1572	3207	4063	3679	4163	6105	5255	4138
29 1957 Regional Report Surplus Deficit	2352	1488	2131	793	-1017	-1112	-764	-621	2354	3812	821	6823	5478	2350
30 1958 Regional Report Surplus Deficit	1212	-1582	1035	-235	-1459	-2521	147	1609	1399	326	1898	6034	4870	1850
31 1959 Regional Report Surplus Deficit	798	-1259	1025	215	101	315	1487	3045	2183	3274	445	4531	4795	4202
32 1960 Regional Report Surplus Deficit	2555	2125	4868	4776	2159	-6.58	117	1517	1852	4713	2538	3396	4387	2854
33 1961 Regional Report Surplus Deficit	1733	-1281	1027	149	-733	-2205	-287	1808	3253	2631	-1010	4683	4494	1925
34 1962 Regional Report Surplus Deficit	698	-1288	899	-266	-1283	-2374	-239	1534	-501	1051	3703	4528	3774	1990
35 1963 Regional Report Surplus Deficit	1325	-383	1310	1236	377	-65.1	142	1751	-178	-1095	-2781	4008	4637	2735
36 1964 Regional Report Surplus Deficit	574	-1088	2126	-279	-1223	-2217	-1163	33.2	-1096	531	-1543	4412	5738	4527
37 1965 Regional Report Surplus Deficit	2578	1817	3166	1470	-58.7	966	1621	3509	3959	637	4326	5449	4412	3437
38 1966 Regional Report Surplus Deficit	2539	1603	1433	651	-903	-1789	-425	1026	-98.0	1566	-595	2529	3501	2577

Regional Report Surplus Deficit By Water Year

Operating Year 2029

2018 White Book Report Date: 12/1/2018 *Continued*

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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	1254	-1179	1246	-380	-1570	-1178	926	2647	2703	1056	-2952	4223	5177	4100
40 1968 Regional Report Surplus Deficit	1875	792	2097	342	-412	-1803	226	2285	3063	-2342	-3409	2499	4459	3109
41 1969 Regional Report Surplus Deficit	2012	1573	3586	1746	1064	-608	1277	2945	2967	3828	3986	6194	4614	3439
42 1970 Regional Report Surplus Deficit	241	-1183	1359	502	-897	-2808	25.6	1885	631	-1761	-3063	4288	5146	2085
43 1971 Regional Report Surplus Deficit	225	-1577	896	-170	-1441	-2019	1502	3281	4257	3745	2482	6149	5584	4546
44 1972 Regional Report Surplus Deficit	2881	2594	2583	955	-588	-1311	1313	3487	4874	5184	1895	5853	4930	4352
45 1973 Regional Report Surplus Deficit	2819	2757	2806	756	-499	-1833	-298	995	-465	-2363	-4788	-1025	854	-258
46 1974 Regional Report Surplus Deficit	-353	-2779	804	-336	-1542	-515	1800	3269	4567	4433	3886	5035	5279	4649
47 1975 Regional Report Surplus Deficit	2960	2785	2584	-215	-1368	-2588	-177	1335	2732	-910	-1791	4920	5352	4694
48 1976 Regional Report Surplus Deficit	2009	1278	2845	2107	1467	1209	1534	3154	3385	4447	2383	6156	4702	4361
49 1977 Regional Report Surplus Deficit	3058	3089	5386	857	-1264	-3513	-2366	-1785	-2041	-2768	-4594	-1460	-792	-2641
50 1978 Regional Report Surplus Deficit	-1797	-3459	-707	-1531	-1935	-2066	-567	625	1051	3800	263	5144	3233	3407
51 1979 Regional Report Surplus Deficit	1432	-318	3416	803	-812	-3296	-1502	-1136	1490	-1654	-1144	5060	2063	-973
52 1980 Regional Report Surplus Deficit	-1403	-2646	952	-238	-1683	-3989	-1137	-1087	-1336	430	1110	6336	4690	2267
53 1981 Regional Report Surplus Deficit	-1378	-2055	1130	-314	-858	-111	904	2643	129	-2635	-2586	4498	5243	3898
54 1982 Regional Report Surplus Deficit	2597	2003	2020	181	-396	-1906	510	3546	4706	3926	388	5449	5443	4719
55 1983 Regional Report Surplus Deficit	2905	2578	3695	1911	-164	-1137	947	3036	4139	2680	-277	4717	4340	4375
56 1984 Regional Report Surplus Deficit	2660	2281	2842	666	1935	-670	786	2444	3610	2291	3012	4800	5374	4282
57 1985 Regional Report Surplus Deficit	2296	-59.0	2798	759	-129	-1790	-872	143	-14.9	1886	1595	4160	1744	3.10
58 1986 Regional Report Surplus Deficit	-1500	-2553	1115	1052	483	-1675	133	2737	4658	3913	2749	3906	4161	1463
59 1987 Regional Report Surplus Deficit	477	-1928	1067	-322	-646	-1765	-1452	-1578	896	-1736	-1675	4077	1548	-1321
60 1988 Regional Report Surplus Deficit	-1102	-2572	601	-635	-2665	-4240	-4245	-2773	-1702	-2427	-2370	-92.9	1627	1248
61 1989 Regional Report Surplus Deficit	-255	-1773	765	-573	-1483	-2703	-2920	-3566	1148	1267	3521	3981	2243	512
62 1990 Regional Report Surplus Deficit	-885	-1798	873	-236	-786	-1284	-330	2017	1938	1016	3006	3731	4373	2832
63 1991 Regional Report Surplus Deficit	1771	489	1123	-419	1481	-601	716	2358	2073	1626	-708	3967	4252	4032
64 1992 Regional Report Surplus Deficit	2572	1176	1256	-366	-1406	-4062	-2136	-1349	-440	-2866	-3344	2643	130	-2196
65 1993 Regional Report Surplus Deficit	-1611	-2972	314	-803	-2018	-3716	-3730	-4343	-232	-1457	-3476	4851	3344	1818
66 1994 Regional Report Surplus Deficit	-435	-1826	603	-435	-1673	-3590	-3453	-1730	-1486	-2603	-1457	1756	816	829
67 1995 Regional Report Surplus Deficit	-955	-2667	747	-541	-2401	-3441	-1427	726	2490	-520	-3560	4525	4660	3013
68 1996 Regional Report Surplus Deficit	729	-1368	1624	1614	2287	1096	1780	3832	4759	4210	4720	5745	4791	4104
69 1997 Regional Report Surplus Deficit	2410	1494	2043	198	-553	-590	1813	3323	4684	4327	4397	5896	4790	4330
70 1998 Regional Report Surplus Deficit	2477	2612	3694	4085	1023	-1701	-705	2102	1301	-1416	-2477	5964	5257	3365
71 1999 Regional Report Surplus Deficit	2063	942	1206	-31.9	-1717	-748	1262	3178	4290	1757	2274	4635	5317	4453
72 2000 Regional Report Surplus Deficit	3249	3016	2644	258	1854	-30.5	-26.9	1369	2215	3666	3910	4451	1626	2576
73 2001 Regional Report Surplus Deficit	1650	-1812	947	-27.1	-1527	-3775	-2763	-2371	-1876	-2805	-4553	-832	-701	-1878
74 2002 Regional Report Surplus Deficit	-1496	-3525	-537	-1608	-2029	-2950	-2945	-1860	-500	539	2338	3233	4696	3807
75 2003 Regional Report Surplus Deficit	30.9	-998	1020	-188	-1330	-3729	-2822	-959	2023	-173	-1179	1748	4417	657
76 2004 Regional Report Surplus Deficit	-1787	-2800	156	-582	-1355	-2291	-2379	-2265	-235	-868	-1794	2560	3029	749
77 2005 Regional Report Surplus Deficit	-1570	-1285	2155	363	-1162	-1821	-1068	945	-352	-2845	-3334	2826	2601	1520

Regional Report Surplus Deficit By Water Year
Operating Year 2029
2018 White Book Report Date: **12/1/2018** *Continued*
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120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	-567	-2421	561	-720	-939	-2203	482	2482	1854	4299	3486	5630	4951	2319
79 2007 Regional Report Surplus Deficit	-618	-2506	15.3	-687	-960	-2003	-281	237	3517	1508	-1283	4479	3241	2485
80 2008 Regional Report Surplus Deficit	-763	-2614	-272	-509	-1665	-3433	-2183	-1196	-10.2	-1024	-2945	4732	5710	3782
Ranked Averages														
81 Bottom 10 pct	-1647	-2902	331	-596	-1497	-2646	-2139	-1039	306	-279	-1537	3039	3266	1485
82 Middle 80 pct	771	-671	1439	280	-817	-1937	-645	789	1484	926	338	4063	3843	2378
83 Top 10 pct	2951	2704	3333	840	-20.3	-1362	-92.2	1420	1664	1008	-745	3179	3238	2704

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Section 3: Monthly 1-Hour Capacity Operating Year 2020 to 2029

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Exhibit 23
Federal Report Surplus Deficit

Monthly 1-Hour Capacity
Operating Year 2020 to 2029
Using 1937-Water Conditions

Loads and Resources - Federal System
Operating Year: 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
1 Load Following	4315	4316	3886	3974	4683	5009	5056	4800	4629	4289	4319	3887	4130	4444
2 Preference Customers	4362	4362	4046	4195	4864	5512	5468	5163	4688	4420	4420	4085	4148	4402
3 Federal Agencies	134	134	128	142	175	208	204	186	167	142	142	136	135	144
4 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
5 Federal Diversity	-796	-795	-828	-770	-594	-1027	-896	-831	-609	-726	-697	-874	-740	-723
6 Tier 1 Block	352	352	597	555	954	979	1039	921	926	442	442	166	21.2	368
7 Tier 1 Block	352	352	597	555	954	979	1039	921	926	442	442	166	21.2	368
8 Slice	4048	3753	3390	3196	3977	4361	3971	3626	3631	3605	3047	3921	4354	3873
9 Slice Block	1222	1222	1169	1159	1356	1559	1553	1373	1311	1216	1216	1179	1155	1210
10 Slice Output from T1 System	2825	2531	2221	2038	2621	2802	2418	2252	2319	2389	1831	2742	3199	2663
11 Direct Service Industries	87.0	87.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
12 Direct Service Industry	87.0	87.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
13 Contract Deliveries	1686	1686	1540	1539	1546	1546	1395	1395	1388	1388	1388	1388	1388	1409
14 Exports	1535	1535	1389	1388	1388	1388	1312	1312	1312	1312	1312	1312	1312	1333
15 Intra-Regional Transfers (Out)	151	151	151	151	158	158	83.2	83.2	76.2	76.2	76.2	76.2	76.2	76.2
16 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Total Firm Obligations	10487	10194	9425	9277	11173	11907	11473	10754	10585	9736	9208	9373	9904	10106
Net Resources														
18 Hydro	13780	12446	10871	10264	12750	13635	11845	11096	11519	11113	8198	13936	15622	13577
19 Regulated Hydro - Net	13207	11883	10346	9788	12329	13320	11643	10866	11129	10496	7564	13117	14778	12969
20 Independent Hydro - Net	569	560	522	472	417	311	198	225	385	613	629	815	840	605
21 Small Hydro - Net	3.49	3.49	3.00	4.11	4.49	4.60	4.59	4.62	4.58	4.58	4.58	4.58	4.09	3.19
22 Non-Hydro Renewable	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Other - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Thermal	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
27 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
28 Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loads and Resources - Federal System
Operating Year: 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
29 Natural Gas - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Petroleum - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Biofuel - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Cogeneration - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Contract Purchases	565	558	550	431	445	449	440	436	438	439	426	448	459	446
34 Imports	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	76.0
35 Intra-Regional Transfers (In)	182	182	182	16.8	16.8	16.8	16.8	16.8	16.8	66.8	66.8	66.8	66.8	66.8
36 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
37 Slice Transmission Loss Return	68.0	60.9	53.5	49.0	63.1	67.4	58.2	54.2	55.8	57.5	44.1	66.0	77.0	64.1
38 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Reserves & Losses	-1848	-1765	-1672	-1874	-2065	-2153	-2039	-1973	-1980	-1935	-1754	-2068	-2234	-2122
40 Operating Reserves	-789	-750	-687	-689	-800	-860	-806	-764	-756	-724	-639	-761	-827	-783
41 Balancing Reserves	-579	-579	-602	-833	-833	-833	-833	-833	-833	-833	-833	-833	-879	-879
42 Transmission Losses	-480	-436	-384	-352	-432	-460	-401	-376	-391	-378	-282	-474	-528	-460
43 Total Net Resources	13659	12402	10928	10002	12309	13112	11415	10728	11145	10777	8029	13466	15001	13070
44 Total Surplus/Deficit	3,172	2,208	1,503	725	1,136	1,204	-58	-26	561	1,041	-1,179	4,093	5,096	2,964

Loads and Resources - Federal System
Operating Year: 2021 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
45 Load Following	4285	4051	3806	3994	4722	5023	5169	4885	4617	4372	4253	3952	4112	4400
46 Preference Customers	4286	4286	3966	4221	4890	5539	5493	5188	4703	4445	4445	4105	4169	4424
47 Federal Agencies	138	138	132	150	185	220	218	198	178	150	150	143	143	152
48 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
49 Federal Diversity	-753	-987	-830	-783	-591	-1052	-822	-784	-645	-676	-795	-836	-787	-797
50 Tier 1 Block	417	417	692	556	991	946	1076	959	896	443	443	166	21.1	368
51 Tier 1 Block	417	417	692	556	991	946	1076	959	896	443	443	166	21.1	368
52 Slice	3768	3424	3150	3241	4115	4363	4056	3744	3643	3749	3016	3590	4199	3893
53 Slice Block	1181	1181	1126	1191	1392	1598	1591	1459	1346	1250	1250	1211	1187	1243
54 Slice Output from T1 System	2587	2243	2023	2050	2723	2765	2465	2285	2298	2499	1767	2379	3012	2650
55 Direct Service Industries	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
56 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
57 Contract Deliveries	1309	1393	1248	1248	1238	1238	1336	1336	1329	1329	1329	1329	1329	1351
58 Exports	1232	1317	1172	1172	1172	1172	1120	1120	1120	1120	1120	1120	1120	1142
59 Intra-Regional Transfers (Out)	76.2	76.2	76.2	76.2	66.4	66.4	216	216	209	209	209	209	209	209
60 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Total Firm Obligations	9791	9298	8907	9051	11078	11582	11649	10936	10498	9905	9054	9050	9674	10023
Net Resources														
62 Hydro	12990	11318	10358	10307	13281	13533	12020	11258	11416	11353	9068	13806	15734	13410
63 Regulated Hydro - Net	12417	10754	9833	9831	12860	13218	11818	11028	11026	10735	8435	12987	14890	12802
64 Independent Hydro - Net	569	560	522	472	417	311	198	225	385	613	629	815	840	605
65 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
66 Non-Hydro Renewable	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 Other - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Thermal	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
71 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
72 Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loads and Resources - Federal System
Operating Year: 2021 Water Year: 1937
2018 White Book Report Date: 12/1/2018 Continued

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
73 Natural Gas - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Petroleum - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Biofuel - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Cogeneration - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Contract Purchases	444	436	431	414	431	432	424	420	420	425	408	422	438	304
78 Imports	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	1.00
79 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
80 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
81 Slice Transmission Loss Return	62.3	54.0	48.7	49.3	65.5	66.6	59.3	55.0	55.3	60.1	42.5	57.3	72.5	63.8
82 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 Reserves & Losses	-2083	-1979	-1898	-1988	-2209	-2240	-2142	-2076	-2065	-2038	-1896	-2118	-2246	-2151
84 Operating Reserves	-763	-715	-671	-694	-819	-841	-794	-752	-735	-713	-647	-749	-813	-761
85 Balancing Reserves	-879	-879	-873	-946	-946	-946	-946	-946	-946	-942	-942	-942	-942	-942
86 Transmission Losses	-440	-385	-354	-349	-445	-453	-403	-378	-384	-383	-307	-427	-490	-448
87 Total Net Resources	12514	10938	10069	9914	12681	12905	11471	10771	10940	10900	8739	12109	13925	12731
88 Total Surplus/Deficit	2,723	1,640	1,162	863	1,603	1,324	-178	-165	443	995	-314	3,060	4,252	2,707

Loads and Resources - Federal System
Operating Year: 2022 Water Year: 1937
2018 White Book Report Date: 12/1/2018
S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
⁸⁹ Load Following	4283	4043	3799	4056	4667	5072	5223	4984	4698	4462	4161	3996	4157	4480
⁹⁰ Preference Customers	4308	4308	3985	4249	4919	5569	5552	5252	4767	4512	4512	4169	4234	4490
⁹¹ Federal Agencies	145	145	138	153	190	225	223	203	182	153	153	146	146	155
⁹² USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
⁹³ Federal Diversity	-784	-1024	-863	-752	-679	-1039	-832	-753	-632	-656	-957	-860	-810	-786
⁹⁴ Tier 1 Block	417	417	693	576	956	947	1077	960	897	443	443	166	21.1	381
⁹⁵ Tier 1 Block	417	417	693	576	956	947	1077	960	897	443	443	166	21.1	381
⁹⁶ Slice	3789	3429	3174	3359	4152	4544	4156	3853	3802	3748	3159	4080	4481	4035
⁹⁷ Slice Block	1214	1214	1158	1289	1498	1710	1701	1564	1447	1350	1350	1307	1279	1335
⁹⁸ Slice Output from T1 System	2576	2215	2016	2070	2653	2834	2455	2289	2355	2398	1809	2773	3202	2699
⁹⁹ Direct Service Industries	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
¹⁰⁰ Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
¹⁰¹ Contract Deliveries	1390	1475	1329	1329	1336	1336	1336	1336	1329	1329	1329	1329	1329	1351
¹⁰² Exports	1181	1266	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1142
¹⁰³ Intra-Regional Transfers (Out)	209	209	209	209	216	216	216	216	209	209	209	209	209	209
¹⁰⁴ Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹⁰⁵ Total Firm Obligations	9892	9377	9008	9333	11124	11911	11805	11146	10738	9995	9105	9583	10001	10258
Net Resources														
¹⁰⁶ Hydro	12974	11223	10404	10367	13191	13458	12098	11559	11703	11824	9116	13136	15614	13414
¹⁰⁷ Regulated Hydro - Net	12401	10660	9879	9891	12769	13142	11896	11329	11313	11206	8483	12317	14770	12805
¹⁰⁸ Independent Hydro - Net	569	560	522	472	417	311	198	225	385	613	629	815	840	605
¹⁰⁹ 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
¹¹⁰ Non-Hydro Renewable	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹¹¹ Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹¹² Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹¹³ Other - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
¹¹⁴ Thermal	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
¹¹⁵ Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
¹¹⁶ Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loads and Resources - Federal System
Operating Year: 2022 Water Year: 1937
2018 White Book Report Date: 12/1/2018 Continued

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
117 Natural Gas - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118 Petroleum - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Biofuel - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120 Cogeneration - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 Contract Purchases	302	293	289	290	304	308	299	295	297	298	284	307	317	305
122 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
123 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
125 Slice Transmission Loss Return	62.0	53.3	48.5	49.8	63.9	68.2	59.1	55.1	56.7	57.7	43.5	66.7	77.1	65.0
126 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 Reserves & Losses	-2122	-2013	-1966	-1989	-2201	-2251	-2173	-2120	-2108	-2086	-1918	-2154	-2305	-2184
128 Operating Reserves	-747	-696	-655	-680	-801	-843	-810	-774	-757	-730	-652	-752	-822	-774
129 Balancing Reserves	-942	-942	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
130 Transmission Losses	-433	-375	-348	-347	-437	-445	-400	-382	-388	-393	-304	-439	-520	-447
131 Total Net Resources	12317	10667	9906	9849	12472	12695	11394	10903	11061	11195	8642	12440	14780	12703
132 Total Surplus/Deficit	2,425	1,290	898	516	1,349	784	-411	-243	323	1,200	-463	2,857	4,779	2,444

Loads and Resources - Federal System
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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
133 Load Following	4323	3956	3863	4075	4703	5111	5299	4967	4738	4547	4245	3980	4171	4509
134 Preference Customers	4375	4375	4052	4312	4986	5631	5582	5257	4797	4543	4543	4197	4262	4519
135 Federal Agencies	149	149	141	152	188	223	221	198	180	152	152	145	145	154
136 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
137 Federal Diversity	-815	-1182	-869	-795	-709	-1060	-785	-771	-620	-601	-903	-903	-823	-785
138 Tier 1 Block	404	404	694	573	941	934	1059	942	881	458	458	161	21.1	377
139 Tier 1 Block	404	404	694	573	941	934	1059	942	881	458	458	161	21.1	377
140 Slice	3888	3523	3282	3367	4253	4515	4205	3886	3779	3880	3147	3710	4290	4018
141 Slice Block	1308	1308	1255	1313	1525	1740	1731	1592	1473	1374	1374	1330	1302	1360
142 Slice Output from T1 System	2580	2216	2028	2055	2728	2775	2474	2293	2306	2505	1773	2380	2988	2658
143 Direct Service Industries	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
144 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
145 Contract Deliveries	1390	1475	1329	1329	1336	1336	1336	1336	1329	1329	1329	1329	1329	1351
146 Exports	1181	1266	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1142
147 Intra-Regional Transfers (Out)	209	209	209	209	216	216	216	216	209	209	209	209	209	209
148 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Total Firm Obligations	10016	9370	9181	9356	11246	11908	11911	11143	10740	10227	9192	9193	9823	10267
Net Resources														
150 Hydro	12906	11287	10305	10303	13139	13507	12133	11601	11401	11985	8904	13372	15587	13446
151 Regulated Hydro - Net	12333	10724	9780	9827	12717	13191	11930	11371	11011	11368	8271	12553	14743	12837
152 Independent Hydro - Net	569	560	522	472	417	311	198	225	385	613	629	815	840	605
153 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
154 Non-Hydro Renewable	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156 Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157 Other - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Thermal	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
159 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
160 Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loads and Resources - Federal System
Operating Year: 2023 Water Year: 1937
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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
161 Natural Gas - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162 Petroleum - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163 Biofuel - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164 Cogeneration - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165 Contract Purchases	302	293	289	289	306	307	300	295	296	300	283	297	312	304
166 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
167 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
169 Slice Transmission Loss Return	62.1	53.3	48.8	49.5	65.7	66.8	59.5	55.2	55.5	60.3	42.7	57.3	71.9	64.0
170 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Reserves & Losses	-2150	-2049	-1972	-1997	-2211	-2267	-2178	-2124	-2092	-2099	-1907	-2131	-2267	-2188
172 Operating Reserves	-757	-710	-665	-690	-812	-858	-814	-777	-751	-737	-648	-761	-823	-777
173 Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
174 Transmission Losses	-430	-376	-344	-344	-435	-446	-401	-384	-378	-398	-297	-407	-480	-448
175 Total Net Resources	12221	10694	9801	9776	12413	12726	11424	10941	10774	11347	8439	11538	13632	12730
176 Total Surplus/Deficit	2,205	1,324	620	420	1,166	818	-487	-202	34	1,120	-753	2,346	3,809	2,463

Loads and Resources - Federal System
Operating Year: 2024 Water Year: 1937
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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
177 Load Following	4348	3997	3888	4075	4722	5191	5162	4870	4588	4530	4251	4082	4214	4483
178 Preference Customers	4404	4404	4080	4339	5013	5661	5609	5308	4824	4566	4566	4219	4284	4543
179 Federal Agencies	148	148	140	152	189	224	222	202	181	153	153	146	145	155
180 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
181 Federal Diversity	-818	-1169	-871	-822	-717	-1010	-949	-921	-797	-643	-921	-823	-801	-836
182 Tier 1 Block	400	400	686	568	920	950	996	880	890	441	441	161	21.1	360
183 Tier 1 Block	400	400	686	568	920	950	996	880	890	441	441	161	21.1	360
184 Slice	3903	3525	3302	3363	4155	4547	4154	3798	3801	3749	3160	4077	4481	4034
185 Slice Block	1331	1331	1277	1286	1494	1705	1696	1506	1443	1346	1346	1303	1276	1333
186 Slice Output from T1 System	2572	2193	2024	2077	2661	2842	2458	2292	2358	2403	1814	2773	3205	2702
187 Direct Service Industries	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
188 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
189 Contract Deliveries	1390	1475	1329	1329	1336	1336	1336	1336	1329	1329	1329	1329	1329	1351
190 Exports	1181	1266	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1142
191 Intra-Regional Transfers (Out)	209	209	209	209	216	216	216	216	209	209	209	209	209	209
192 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 Total Firm Obligations	10054	9409	9217	9347	11146	12036	11660	10897	10621	10061	9194	9661	10058	10239
Net Resources														
194 Hydro	13112	11318	10223	10287	13192	13508	12257	11067	11284	11977	8857	13239	15576	13480
195 Regulated Hydro - Net	12539	10754	9698	9811	12771	13193	12055	10837	10894	11359	8224	12420	14732	12872
196 Independent Hydro - Net	569	560	522	472	417	311	198	225	385	613	629	815	840	605
197 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
198 Non-Hydro Renewable	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201 Other - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Thermal	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
203 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
204 Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loads and Resources - Federal System
Operating Year: 2024 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
205 Natural Gas - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Petroleum - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Biofuel - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Cogeneration - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Contract Purchases	302	293	289	290	304	308	299	295	297	298	284	307	317	305
210 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
211 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
213 Slice Transmission Loss Return	61.9	52.8	48.7	50.0	64.0	68.4	59.2	55.2	56.8	57.8	43.7	66.8	77.1	65.0
214 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Reserves & Losses	-2164	-2052	-1969	-1997	-2215	-2269	-2188	-2094	-2087	-2110	-1916	-2155	-2307	-2192
216 Operating Reserves	-764	-712	-664	-691	-815	-860	-820	-765	-750	-749	-658	-750	-825	-780
217 Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
218 Transmission Losses	-437	-377	-342	-343	-437	-447	-405	-366	-374	-397	-295	-442	-519	-449
219 Total Net Resources	12413	10721	9722	9760	12460	12728	11538	10437	10663	11325	8385	12542	14740	12761
220 Total Surplus/Deficit	2,359	1,312	505	413	1,314	692	-122	-460	43	1,264	-809	2,881	4,682	2,522

Loads and Resources - Federal System
Operating Year: 2025 Water Year: 1937
2018 White Book Report Date: 12/1/2018

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
221 Load Following	4353	4083	3902	4122	4725	5294	5196	5015	4587	4549	4269	4061	4254	4439
222 Preference Customers	4427	4427	4101	4367	5043	5691	5638	5339	4845	4595	4595	4245	4310	4571
223 Federal Agencies	148	148	141	154	190	226	224	204	183	154	154	147	147	156
224 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
225 Federal Diversity	-837	-1107	-878	-805	-746	-939	-946	-811	-822	-653	-933	-872	-789	-908
226 Tier 1 Block	395	395	702	547	914	944	989	910	884	440	440	161	21.0	358
227 Tier 1 Block	395	395	702	547	914	944	989	910	884	440	440	161	21.0	358
228 Slice	3882	3518	3276	3360	4245	4506	4197	3878	3771	3874	3142	3700	4283	4011
229 Slice Block	1305	1305	1251	1308	1520	1734	1725	1587	1468	1370	1370	1326	1298	1355
230 Slice Output from T1 System	2577	2213	2025	2052	2725	2772	2471	2291	2304	2505	1772	2375	2985	2656
231 Direct Service Industries	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
232 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
233 Contract Deliveries	1412	1497	1351	1351	1358	1358	1358	1358	1351	1351	1351	1351	1351	1372
234 Exports	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
235 Intra-Regional Transfers (Out)	209	209	209	209	216	216	216	216	209	209	209	209	209	209
236 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
237 Total Firm Obligations	10053	9504	9243	9392	11254	12115	11752	11172	10605	10226	9213	9285	9920	10192
Net Resources														
238 Hydro	13141	11415	10234	10459	13050	13597	12393	11314	11291	11855	8863	13048	15519	13488
239 Regulated Hydro - Net	12568	10852	9710	9983	12629	13281	12191	11084	10901	11237	8230	12228	14675	12879
240 Independent Hydro - Net	569	560	522	472	417	311	198	225	385	613	629	815	840	605
241 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
242 Non-Hydro Renewable	0	0	0	0	0	0	0	0	0	0	0	0	0	0
243 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
244 Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
245 Other - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
246 Thermal	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
247 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
248 Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loads and Resources - Federal System
Operating Year: 2025 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
249 Natural Gas - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
250 Petroleum - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
251 Biofuel - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
252 Cogeneration - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
253 Contract Purchases	302	293	289	289	306	307	299	295	295	300	283	297	312	304
254 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
255 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
256 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
257 Slice Transmission Loss Return	62.0	53.3	48.7	49.4	65.6	66.7	59.5	55.1	55.4	60.3	42.7	57.2	71.8	63.9
258 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
259 Reserves & Losses	-2168	-2061	-1971	-2010	-2209	-2276	-2198	-2111	-2089	-2104	-1918	-2106	-2266	-2194
260 Operating Reserves	-768	-717	-666	-698	-813	-864	-826	-774	-751	-747	-660	-746	-826	-782
261 Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
262 Transmission Losses	-438	-380	-342	-349	-432	-449	-409	-374	-374	-393	-295	-397	-478	-449
263 Total Net Resources	12438	10811	9731	9919	12326	12808	11664	10667	10666	11212	8388	11239	13564	12765
264 Total Surplus/Deficit	2,384	1,307	488	527	1,072	693	-88	-506	61	986	-826	1,954	3,644	2,573

Loads and Resources - Federal System
Operating Year: 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
265 Load Following	4395	4154	3979	4128	4786	5265	5225	5061	4631	4573	4288	4049	4328	4451
266 Preference Customers	4454	4454	4126	4393	5069	5719	5666	5368	4878	4619	4619	4267	4331	4593
267 Federal Agencies	149	149	142	154	191	227	225	205	183	154	154	147	147	156
268 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
269 Federal Diversity	-823	-1064	-828	-826	-712	-998	-946	-793	-812	-654	-938	-906	-737	-920
270 Tier 1 Block	407	407	672	546	949	909	987	908	883	439	439	166	21.0	357
271 Tier 1 Block	407	407	672	546	949	909	987	908	883	439	439	166	21.0	357
272 Slice	3896	3518	3294	3354	4145	4531	4139	3837	3786	3735	3146	4065	4467	4020
273 Slice Block	1327	1327	1273	1280	1487	1697	1688	1553	1436	1340	1340	1297	1270	1326
274 Slice Output from T1 System	2569	2190	2021	2074	2658	2834	2451	2285	2350	2395	1806	2768	3197	2694
275 Direct Service Industries	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
276 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
277 Contract Deliveries	1412	1497	1351	1351	1358	1358	1158	1158	1151	1151	1151	1151	1151	1172
278 Exports	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
279 Intra-Regional Transfers (Out)	209	209	209	209	216	216	16.4	16.4	9.44	9.44	9.44	9.44	9.44	9.44
280 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
281 Total Firm Obligations	10121	9587	9308	9390	11249	12074	11521	10977	10462	9909	9036	9443	9979	10012
Net Resources														
282 Hydro	13099	11416	10231	10291	13196	13492	12242	11051	11268	11960	8841	13233	15559	13464
283 Regulated Hydro - Net	12526	10853	9706	9815	12774	13176	12039	10821	10878	11343	8208	12414	14716	12856
284 Independent Hydro - Net	569	560	522	472	417	311	198	225	385	613	629	815	840	605
285 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
286 Non-Hydro Renewable	0	0	0	0	0	0	0	0	0	0	0	0	0	0
287 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
288 Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
289 Other - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
290 Thermal	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
291 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
292 Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loads and Resources - Federal System
Operating Year: 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018 Continued

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
293 Natural Gas - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
294 Petroleum - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
295 Biofuel - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
296 Cogeneration - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
297 Contract Purchases	302	293	289	290	304	308	299	295	297	298	283	307	317	305
298 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
299 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
301 Slice Transmission Loss Return	61.8	52.7	48.7	49.9	64.0	68.2	59.0	55.0	56.6	57.6	43.5	66.6	77.0	64.8
302 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
303 Reserves & Losses	-2167	-2063	-1973	-2001	-2219	-2253	-2172	-2078	-2071	-2093	-1900	-2149	-2291	-2176
304 Operating Reserves	-768	-719	-668	-695	-819	-843	-804	-749	-733	-733	-642	-744	-809	-764
305 Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
306 Transmission Losses	-436	-380	-342	-343	-437	-447	-405	-366	-374	-397	-295	-442	-519	-449
307 Total Net Resources	12396	10809	9726	9760	12460	12727	11538	10437	10663	11325	8385	12542	14739	12761
308 Total Surplus/Deficit	2,275	1,223	419	370	1,211	653	17	-540	201	1,415	-651	3,099	4,761	2,749

Loads and Resources - Federal System
Operating Year: 2027 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
309 Load Following	4446	4204	3999	4143	4734	5310	5289	5074	4618	4598	4300	4087	4324	4484
310 Preference Customers	4476	4476	4146	4418	5096	5747	5694	5369	4904	4644	4644	4290	4354	4617
311 Federal Agencies	150	150	142	155	192	228	226	203	184	155	155	148	148	157
312 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
313 Federal Diversity	-794	-1037	-828	-836	-791	-981	-911	-779	-852	-654	-952	-892	-765	-911
314 Tier 1 Block	406	406	670	546	949	909	1024	909	852	439	439	166	21.0	357
315 Tier 1 Block	406	406	670	546	949	909	1024	909	852	439	439	166	21.0	357
316 Slice	3873	3509	3268	3355	4240	4500	4191	3872	3766	3869	3136	3697	4277	4006
317 Slice Block	1299	1299	1246	1306	1517	1731	1722	1584	1465	1367	1367	1323	1295	1353
318 Slice Output from T1 System	2575	2210	2022	2049	2723	2769	2469	2288	2301	2502	1769	2374	2982	2653
319 Direct Service Industries	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
320 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
321 Contract Deliveries	1212	1297	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1172
322 Exports	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
323 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
324 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
325 Total Firm Obligations	9950	9427	9100	9207	11093	11889	11674	11025	10399	10069	9038	9112	9785	10031
Net Resources														
326 Hydro	13125	11399	10218	10442	13034	13580	12377	11297	11275	11838	8847	13041	15502	13471
327 Regulated Hydro - Net	12552	10835	9693	9966	12612	13264	12174	11067	10885	11221	8213	12222	14658	12863
328 Independent Hydro - Net	569	560	522	472	417	311	198	225	385	613	629	815	840	605
329 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
330 Non-Hydro Renewable	0	0	0	0	0	0	0	0	0	0	0	0	0	0
331 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
332 Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
333 Other - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
334 Thermal	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
335 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
336 Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loads and Resources - Federal System
Operating Year: 2027 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
337 Natural Gas - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
338 Petroleum - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
339 Biofuel - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
340 Cogeneration - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
341 Contract Purchases	302	293	289	289	306	307	299	295	295	300	283	297	312	304
342 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
343 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
344 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
345 Slice Transmission Loss Return	62.0	53.2	48.7	49.3	65.5	66.6	59.4	55.1	55.4	60.2	42.6	57.1	71.8	63.8
346 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
347 Reserves & Losses	-2152	-2045	-1955	-1993	-2192	-2259	-2182	-2094	-2073	-2087	-1901	-2099	-2250	-2178
348 Operating Reserves	-751	-701	-650	-681	-797	-847	-810	-757	-735	-731	-644	-739	-809	-766
349 Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
350 Transmission Losses	-438	-380	-342	-349	-432	-449	-409	-374	-374	-393	-295	-397	-478	-449
351 Total Net Resources	12438	10811	9731	9919	12326	12807	11664	10667	10666	11211	8388	11239	13564	12765
352 Total Surplus/Deficit	2,488	1,383	631	712	1,233	918	-11	-358	268	1,143	-651	2,127	3,779	2,734

Loads and Resources - Federal System
Operating Year: 2028 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
353 Load Following	4469	4227	4018	4189	4675	5341	5316	5092	4637	4529	4380	4039	4295	4582
354 Preference Customers	4500	4500	4168	4444	5122	5775	5720	5418	4928	4667	4667	4310	4373	4637
355 Federal Agencies	151	151	143	155	193	229	227	207	185	156	156	149	148	158
356 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
357 Federal Diversity	-796	-1039	-832	-817	-878	-979	-911	-815	-858	-747	-896	-960	-814	-834
358 Tier 1 Block	406	406	671	566	914	910	1025	874	853	455	455	161	21.0	370
359 Tier 1 Block	406	406	671	566	914	910	1025	874	853	455	455	161	21.0	370
360 Slice	3891	3513	3289	3353	4143	4534	4143	3787	3789	3738	3149	4068	4470	4023
361 Slice Block	1325	1325	1271	1282	1489	1699	1691	1501	1438	1342	1342	1299	1271	1328
362 Slice Output from T1 System	2566	2188	2018	2071	2655	2836	2452	2286	2352	2396	1807	2769	3198	2695
363 Direct Service Industries	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
364 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
365 Contract Deliveries	1212	1297	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1172
366 Exports	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
367 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
368 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
369 Total Firm Obligations	9990	9454	9140	9270	10902	11956	11654	10923	10443	9886	9147	9430	9948	10160
Net Resources														
370 Hydro	13082	11400	10215	10274	13179	13495	12245	11054	11271	11963	8844	13236	15562	13467
371 Regulated Hydro - Net	12509	10836	9690	9798	12758	13179	12042	10824	10881	11346	8211	12417	14718	12859
372 Independent Hydro - Net	569	560	522	472	417	311	198	225	385	613	629	815	840	605
373 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
374 Non-Hydro Renewable	0	0	0	0	0	0	0	0	0	0	0	0	0	0
375 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
376 Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377 Other - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
378 Thermal	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
379 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
380 Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loads and Resources - Federal System
Operating Year: 2028 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
381 Natural Gas - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
382 Petroleum - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
383 Biofuel - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
384 Cogeneration - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
385 Contract Purchases	302	293	289	290	304	308	299	295	297	298	283	307	317	305
386 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
387 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
388 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
389 Slice Transmission Loss Return	61.8	52.7	48.6	49.8	63.9	68.3	59.0	55.0	56.6	57.7	43.5	66.6	77.0	64.9
390 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391 Reserves & Losses	-2151	-2046	-1956	-1984	-2203	-2255	-2175	-2081	-2074	-2096	-1902	-2151	-2294	-2179
392 Operating Reserves	-752	-703	-651	-678	-802	-846	-807	-752	-736	-736	-645	-746	-812	-767
393 Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
394 Transmission Losses	-436	-380	-342	-343	-437	-447	-405	-366	-374	-397	-295	-442	-519	-449
395 Total Net Resources	12396	10809	9726	9760	12460	12727	11538	10437	10663	11325	8385	12542	14739	12761
396 Total Surplus/Deficit	2,406	1,356	586	490	1,557	772	-116	-486	220	1,439	-762	3,112	4,791	2,601

Loads and Resources - Federal System
Operating Year: 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
397 Load Following	4390	4159	4039	4182	4666	5405	5297	5159	4545	4523	4381	4075	4350	4602
398 Preference Customers	4519	4519	4186	4465	5144	5799	5745	5446	4944	4690	4690	4330	4393	4658
399 Federal Agencies	151	151	143	156	193	229	227	207	185	156	156	149	149	158
400 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
401 Federal Diversity	-895	-1126	-829	-844	-910	-940	-956	-777	-966	-776	-918	-944	-778	-835
402 Tier 1 Block	393	393	671	564	911	940	985	906	850	454	454	160	21.0	369
403 Tier 1 Block	393	393	671	564	911	940	985	906	850	454	454	160	21.0	369
404 Slice	3877	3513	3271	3349	4232	4491	4182	3865	3759	3863	3130	3690	4271	4000
405 Slice Block	1301	1301	1247	1299	1508	1721	1712	1575	1457	1360	1360	1315	1288	1346
406 Slice Output from T1 System	2576	2212	2023	2050	2724	2770	2470	2289	2302	2503	1770	2375	2983	2654
407 Direct Service Industries	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
408 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
409 Contract Deliveries	1212	1297	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1172
410 Exports	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
411 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
412 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
413 Total Firm Obligations	9883	9372	9144	9259	10978	12006	11634	11100	10317	10003	9128	9089	9805	10155
Net Resources														
414 Hydro	13127	11402	10220	10445	13036	13583	12380	11300	11277	11841	8849	13043	15505	13474
415 Regulated Hydro - Net	12555	10838	9696	9969	12615	13267	12177	11070	10887	11223	8216	12224	14661	12865
416 Independent Hydro - Net	569	560	522	472	417	311	198	225	385	613	629	815	840	605
417 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
418 Non-Hydro Renewable	0	0	0	0	0	0	0	0	0	0	0	0	0	0
419 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
420 Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
421 Other - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
422 Thermal	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
423 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
424 Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loads and Resources - Federal System
Operating Year: 2029 Water Year: 1937
2018 White Book Report Date: **12/1/2018** *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
425 Natural Gas - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426 Petroleum - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
427 Biofuel - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
428 Cogeneration - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
429 Contract Purchases	302	293	289	289	306	307	299	295	295	300	283	297	312	304
430 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
431 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
432 Non-Federal CER	239	239	239	239	239	239	239	239	239	239	239	239	239	239
433 Slice Transmission Loss Return	62.0	53.2	48.7	49.3	65.6	66.7	59.4	55.1	55.4	60.2	42.6	57.2	71.8	63.9
434 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
435 Reserves & Losses	-2155	-2047	-1957	-1996	-2195	-2262	-2185	-2097	-2075	-2090	-1904	-2101	-2252	-2180
436 Operating Reserves	-754	-704	-652	-684	-800	-850	-812	-760	-738	-733	-646	-742	-811	-768
437 Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
438 Transmission Losses	-438	-380	-342	-349	-432	-449	-409	-374	-374	-393	-295	-397	-478	-449
439 Total Net Resources	12438	10811	9731	9919	12326	12807	11664	10667	10666	11211	8388	11239	13564	12765
440 Total Surplus/Deficit	2,555	1,438	587	661	1,348	801	29	-433	349	1,209	-740	2,151	3,759	2,610

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Exhibit 24
Regional Report Surplus Deficit

Monthly 1-Hour Capacity
Operating Year 2020 to 2029
Using 1937-Water Conditions

Loads and Resources - Pacific Northwest Region

Operating Year: 2020 Water Year: 1937

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
1 Retail Loads	30385	30386	27211	28171	32307	34682	34533	32627	30661	28760	28790	27454	28781	30892
2 Federal Agency	146	146	140	154	183	216	212	194	176	154	154	148	147	156
3 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
4 Cooperative	3018	3018	2771	2821	3182	3608	3540	3371	3107	3031	3031	2962	3079	3244
5 Municipality	3257	3257	3062	3448	3955	4359	4347	4135	3825	3495	3495	3078	3088	3274
6 Public Utility District	5540	5540	5148	5733	6674	7381	7399	6970	6477	5978	5978	5428	5323	5627
7 Investor-Owned Utility	18189	18189	15962	15961	18252	19413	19233	18088	16888	15959	15959	15755	16881	18277
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	412	412	412	413	412	412	413	412	412	413	413	412	412	412
10 Federal Diversity	-796	-795	-828	-770	-594	-1027	-896	-831	-609	-726	-697	-874	-740	-723
11 Exports	1910	1910	1763	1454	1446	1446	1369	1369	1369	1369	1377	1377	1686	1708
12 Canada	1381	1381	1260	1260	1260	1260	1260	1260	1260	1260	1260	1260	1260	1282
13 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
14 Inland Southwest	0	0	0	25.0	25.0	25.0	0	0	0	0	0	0	0	0
15 Pacific Southwest	528	528	502	168	160	160	108	108	108	108	116	116	425	425
16 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Total Regional Loads	32295	32296	28974	29624	33753	36128	35902	33996	32031	30130	30168	28831	30467	32599
Regional Resources														
18 Hydro	25113	23640	21353	20994	23454	24745	23181	22006	22378	21757	18669	25133	27646	25366
19 Regulated Hydro - Net	23083	21621	19458	19200	21775	23113	21703	20550	20605	19588	16475	22610	25044	23174
20 Independent Hydro - Net	1664	1656	1614	1595	1512	1472	1323	1287	1565	1845	1869	2077	2139	1749
21 Small Hydro - Net	367	364	280	199	167	161	156	169	207	324	325	446	463	443
22 Non-Hydro Renewable	218	218	218	219	218	218	207	219	218	218	218	219	217	217
23 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Solar - Net	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
25 Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
26 Thermal	16177	16177	16270	16393	16564	16650	16647	16594	15905	15878	14861	14207	15581	16180
27 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
28 Coal - Net	5868	5868	5867	5868	5868	5869	5869	5869	5868	5350	5868	4476	5714	5867
29 Natural Gas - Net	6463	6463	6523	6598	6749	6819	6825	6778	6730	6687	5632	6144	6025	6465
30 Petroleum - Net	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
31 Biofuel - Net	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7

Loads and Resources - Pacific Northwest Region
Operating Year: 2020 Water Year: 1937
2018 White Book Report Date: **12/1/2018** *Continued*

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
32 Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2612	2133	2367	2618	2611
33 Imports	984	984	857	848	1099	1202	1177	1209	910	765	765	807	1056	1134
34 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
35 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Inland Southwest	763	763	636	576	572	653	597	596	572	543	543	585	835	913
37 Pacific Southwest	75.0	75.0	75.0	125	425	425	425	425	125	75.0	75.0	75.0	75.0	75.0
38 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Reserves & Losses	-3947	-3855	-3645	-3876	-4151	-4320	-4214	-4083	-3989	-3917	-3647	-3997	-4322	-4263
40 Operating Reserves	-2019	-1976	-1817	-1834	-2017	-2141	-2087	-1992	-1917	-1870	-1734	-1891	-2038	-2032
41 Balancing Reserves	-579	-579	-602	-833	-833	-833	-833	-833	-833	-833	-833	-833	-879	-879
42 Transmission Losses	-1348	-1300	-1226	-1210	-1301	-1347	-1294	-1257	-1239	-1214	-1080	-1272	-1406	-1352
43 Total Regional Resources	38546	37164	35053	34577	37185	38495	36998	35946	35422	34701	30867	36369	40177	38634
44 Total Surplus/Deficit	6251	4868	6079	4953	3432	2368	1096	1950	3391	4571	700	7538	9711	6035

Loads and Resources - Pacific Northwest Region

Operating Year: 2021 Water Year: 1937

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
45 Retail Loads	30776	30542	27604	28528	32694	35049	34996	33463	30980	29162	29044	27844	29068	31151
46 Federal Agency	150	150	143	162	194	228	226	206	186	162	162	155	155	164
47 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
48 Cooperative	3140	3140	2909	2975	3338	3766	3685	3528	3241	3165	3165	3103	3201	3363
49 Municipality	3250	3250	3079	3460	3968	4372	4360	4147	3835	3504	3504	3086	3097	3282
50 Public Utility District	5645	5645	5264	5803	6749	7461	7517	7080	6578	6082	6082	5530	5423	5729
51 Investor-Owned Utility	18314	18314	16085	16089	18382	19542	19333	18586	16987	16056	16056	15848	16976	18373
52 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
53 Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
54 Federal Diversity	-753	-987	-830	-783	-591	-1052	-822	-784	-645	-676	-795	-836	-787	-797
55 Exports	1607	1692	1546	1237	1229	1229	1178	1178	1178	1178	1186	1186	1495	1516
56 Canada	1181	1266	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1142
57 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
58 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Pacific Southwest	425	425	425	116	108	108	56.7	56.7	56.7	56.7	64.7	64.7	374	374
60 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Total Regional Loads	32383	32234	29150	29765	33923	36279	36173	34640	32157	30340	30229	29029	30563	32667
Regional Resources														
62 Hydro	23856	22435	21178	21039	23986	24643	23276	22088	22195	21916	19460	24923	27678	25198
63 Regulated Hydro - Net	21825	20414	19280	19243	22306	23011	21878	20712	20503	19827	17345	22480	25156	23006
64 Independent Hydro - Net	1664	1656	1614	1595	1512	1472	1243	1207	1485	1765	1789	1997	2059	1749
65 Small Hydro - Net	367	365	284	201	168	161	156	169	207	324	325	446	463	443
66 Non-Hydro Renewable	218	218	218	219	218	218	207	219	218	218	218	219	217	217
67 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Solar - Net	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
69 Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
70 Thermal	16177	16177	16270	16393	16564	15980	15407	15354	14665	15156	13621	12875	13187	14940
71 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
72 Coal - Net	5868	5868	5867	5868	5868	5199	4629	4629	4628	4628	4628	4295	4474	4627
73 Natural Gas - Net	6463	6463	6523	6598	6749	6819	6825	6778	6730	6687	5632	6144	6025	6465
74 Petroleum - Net	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
75 Biofuel - Net	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7

Loads and Resources - Pacific Northwest Region
Operating Year: 2021 Water Year: 1937
2018 White Book Report Date: **12/1/2018** *Continued*

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
76 Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2612	2133	2367	2618	2611
77 Imports	992	992	861	852	1102	1206	1180	1212	914	769	769	811	1064	1068
78 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
79 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 Inland Southwest	771	771	640	580	575	657	600	599	576	547	547	589	843	922
81 Pacific Southwest	75.0	75.0	75.0	125	425	425	425	425	125	75.0	75.0	75.0	75.0	0
82 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 Reserves & Losses	-4160	-4072	-3900	-3996	-4301	-4390	-4260	-4139	-4017	-3979	-3731	-4025	-4277	-4242
84 Operating Reserves	-1984	-1942	-1816	-1842	-2041	-2127	-2061	-1978	-1883	-1845	-1727	-1866	-2010	-1999
85 Balancing Reserves	-879	-879	-873	-946	-946	-946	-946	-946	-946	-942	-942	-942	-942	-942
86 Transmission Losses	-1297	-1251	-1211	-1207	-1314	-1317	-1253	-1215	-1189	-1192	-1061	-1217	-1325	-1301
87 Total Regional Resources	37083	35751	34628	34507	37570	37658	35810	34734	33975	34080	30337	34802	37869	37182
88 Total Surplus/Deficit	4699	3517	5478	4742	3646	1379	-363	93.5	1818	3740	108	5772	7306	4516

Loads and Resources - Pacific Northwest Region

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
89 Retail Loads	31086	30846	27888	28879	32952	35402	35614	34117	31596	29776	29475	28386	29604	31741
90 Federal Agency	157	157	150	165	198	233	231	211	190	165	165	158	158	167
91 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
92 Cooperative	3269	3269	3022	3086	3460	3872	3831	3675	3386	3326	3326	3248	3346	3523
93 Municipality	3259	3259	3086	3467	3978	4383	4399	4187	3872	3550	3550	3132	3142	3328
94 Public Utility District	5747	5747	5360	5904	6860	7579	7845	7401	6888	6360	6360	5804	5685	5995
95 Investor-Owned Utility	18409	18409	16178	16186	18481	19640	19442	18697	17094	16161	16161	15949	17080	18477
96 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
97 Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
98 Federal Diversity	-784	-1024	-863	-752	-679	-1039	-832	-753	-632	-656	-957	-860	-810	-786
99 Exports	1190	1275	1129	1129	1121	1121	1121	1121	1121	1121	1129	1129	1129	1151
100 Canada	1181	1266	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1142
101 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
102 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
104 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 Total Regional Loads	32276	32121	29017	30008	34073	36523	36735	35238	32717	30897	30604	29516	30733	32891
Regional Resources														
106 Hydro	23840	22341	21215	21019	23816	24488	23354	22390	22482	22387	19508	24253	27558	25202
107 Regulated Hydro - Net	21809	20320	19326	19303	22216	22935	21956	21013	20790	20298	17394	21810	25037	23010
108 Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
109 Small Hydro - Net	367	365	284	201	168	161	156	169	207	324	325	446	463	443
110 Non-Hydro Renewable	218	218	218	219	218	218	207	219	218	218	218	219	217	217
111 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112 Solar - Net	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
113 Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
114 Thermal	14937	14937	15030	15153	15324	15410	15280	15227	14538	13482	12419	14234	14367	14506
115 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
116 Coal - Net	4628	4628	4627	4628	4628	4629	4502	4502	4501	3426	3426	4503	4500	4193
117 Natural Gas - Net	6463	6463	6523	6598	6749	6819	6825	6778	6730	6687	5632	6144	6025	6465
118 Petroleum - Net	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
119 Biofuel - Net	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7

Loads and Resources - Pacific Northwest Region
Operating Year: 2022 Water Year: 1937
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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
120 Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2140	2133	2367	2618	2611
121 Imports	925	925	790	731	980	1085	1059	1091	793	697	697	740	998	1078
122 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
123 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124 Inland Southwest	779	779	644	584	578	661	604	603	580	550	550	593	852	932
125 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
126 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 Reserves & Losses	-4148	-4056	-3916	-3938	-4235	-4366	-4290	-4183	-4059	-3963	-3718	-4072	-4343	-4264
128 Operating Reserves	-1955	-1911	-1787	-1814	-2009	-2114	-2081	-2005	-1908	-1852	-1736	-1872	-2022	-2015
129 Balancing Reserves	-942	-942	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
130 Transmission Losses	-1251	-1202	-1166	-1161	-1263	-1289	-1246	-1215	-1188	-1148	-1019	-1237	-1357	-1285
131 Total Regional Resources	35771	34366	33337	33183	36104	36835	35610	34743	33972	32821	29125	35373	38798	36740
132 Total Surplus/Deficit	3495	2245	4320	3175	2031	312	-1125	-494	1255	1924	-1479	5858	8065	3849

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
133 Retail Loads	31624	31258	28440	29387	33505	35977	35895	34288	31818	30040	29738	28544	29784	31925
134 Federal Agency	161	161	153	164	196	232	229	206	189	164	164	157	157	166
135 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
136 Cooperative	3414	3414	3167	3218	3578	3991	3924	3730	3465	3404	3404	3323	3435	3599
137 Municipality	3306	3306	3134	3508	4023	4421	4410	4197	3881	3559	3559	3141	3152	3339
138 Public Utility District	6016	6016	5621	6178	7173	7914	7869	7421	6905	6377	6377	5819	5677	5989
139 Investor-Owned Utility	18512	18512	16280	16292	18589	19748	19551	18807	17201	16267	16267	16049	17184	18580
140 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
141 Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
142 Federal Diversity	-815	-1182	-869	-795	-709	-1060	-785	-771	-620	-601	-903	-903	-823	-785
143 Exports	1190	1275	1129	1129	1121	1121	1121	1121	1121	1121	1129	1129	1129	1151
144 Canada	1181	1266	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1142
145 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
146 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
148 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Total Regional Loads	32814	32532	29569	30516	34626	37098	37016	35409	32939	31161	30867	29673	30913	33075
Regional Resources														
150 Hydro	23772	22405	21116	20954	23764	24536	23389	22432	22180	22548	19296	24489	27531	25234
151 Regulated Hydro - Net	21742	20384	19227	19238	22164	22984	21991	21056	20488	20459	17181	22047	25009	23042
152 Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
153 Small Hydro - Net	367	365	284	201	168	161	156	169	207	324	325	445	463	443
154 Hon-Hydro Renewable	218	218	218	219	218	218	207	219	218	218	218	219	217	217
155 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156 Solar - Net	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
157 Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
158 Thermal	14503	14503	14542	14667	14837	14920	14917	14865	14176	13814	12852	12749	12852	14453
159 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
160 Coal - Net	4194	4194	4193	4194	4194	4195	4195	4195	4194	3341	3859	4196	4193	4193
161 Natural Gas - Net	6463	6463	6469	6546	6696	6763	6769	6723	6675	6632	5632	6117	5971	6412
162 Petroleum - Net	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
163 Biofuel - Net	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7

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2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
164 Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2612	2133	2367	2618	2611
165 Imports	934	934	794	735	983	1089	1062	1094	796	701	701	744	1007	1088
166 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
167 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 Inland Southwest	788	788	648	588	581	665	607	606	583	554	554	597	861	942
169 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
170 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Reserves & Losses	-4166	-4081	-3910	-3933	-4232	-4369	-4286	-4179	-4035	-4004	-3725	-4042	-4296	-4269
172 Operating Reserves	-1969	-1929	-1801	-1829	-2024	-2133	-2089	-2011	-1905	-1877	-1736	-1885	-2027	-2022
173 Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
174 Transmission Losses	-1234	-1189	-1146	-1142	-1244	-1273	-1234	-1204	-1166	-1164	-1026	-1195	-1305	-1285
175 Total Regional Resources	35262	33979	32761	32641	35571	36394	35288	34430	33335	33277	29342	34158	37312	36723
176 Total Surplus/Deficit	2448	1447	3192	2126	945	-704	-1728	-979	396	2116	-1525	4485	6399	3648

Loads and Resources - Pacific Northwest Region

Operating Year: 2024 Water Year: 1937

2018 White Book Report Date: 12/1/2018

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
177 Retail Loads	31796	31445	28619	29538	33681	36232	35943	33970	31857	30196	29918	28812	30006	32079
178 Federal Agency	160	160	152	164	197	232	230	210	189	165	165	158	157	167
179 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
180 Cooperative	3490	3490	3256	3296	3655	4083	4002	3828	3556	3481	3481	3398	3496	3661
181 Municipality	3316	3316	3143	3517	4034	4433	4422	4210	3891	3568	3568	3148	3159	3347
182 Public Utility District	6003	6003	5603	6163	7162	7907	7888	7441	6920	6390	6390	5832	5713	6027
183 Investor-Owned Utility	18615	18615	16381	16398	18696	19855	19653	18503	17300	16365	16365	16143	17280	18677
184 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
185 Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
186 Federal Diversity	-818	-1169	-871	-822	-717	-1010	-949	-921	-797	-643	-921	-823	-801	-836
187 Exports	1190	1275	1129	1129	1121	1121	1121	1121	1121	1121	1129	1129	1129	1151
188 Canada	1181	1266	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120	1142
189 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
190 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
192 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 Total Regional Loads	32986	32720	29748	30667	34802	37353	37064	35091	32978	31317	31047	29941	31135	33229
Regional Resources														
194 Hydro	23978	22435	21034	20938	23817	24538	23513	21897	22063	22540	19249	24356	27520	25269
195 Regulated Hydro - Net	21947	20414	19145	19222	22217	22986	22115	20521	20371	20451	17135	21913	24998	23077
196 Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
197 Small Hydro - Net	367	365	284	201	168	161	156	169	207	324	325	445	463	443
198 Hon-Hydro Renewable	218	218	218	219	218	218	207	219	218	218	218	219	217	217
199 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Solar - Net	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
201 Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
202 Thermal	14450	14450	14542	14664	14834	14920	14917	14865	14176	14667	13187	13565	14006	14453
203 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
204 Coal - Net	4194	4194	4193	4194	4194	4195	4195	4195	4194	4194	4194	3861	4193	4193
205 Natural Gas - Net	6410	6410	6469	6544	6693	6763	6769	6723	6675	6632	5632	6117	5971	6412
206 Petroleum - Net	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
207 Biofuel - Net	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7

Loads and Resources - Pacific Northwest Region
Operating Year: 2024 Water Year: 1937
2018 White Book Report Date: **12/1/2018** *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
208 Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2612	2133	2367	2618	2611
209 Imports	942	942	799	739	986	1093	1065	1098	800	705	705	748	1016	1097
210 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
211 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Inland Southwest	796	796	653	592	584	669	610	610	587	558	558	601	870	951
213 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
214 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Reserves & Losses	-4182	-4086	-3910	-3938	-4240	-4375	-4300	-4141	-4034	-4047	-3749	-4058	-4340	-4278
216 Operating Reserves	-1980	-1935	-1803	-1833	-2031	-2139	-2099	-1991	-1908	-1892	-1750	-1876	-2033	-2029
217 Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
218 Transmission Losses	-1239	-1188	-1143	-1141	-1246	-1273	-1238	-1187	-1162	-1192	-1036	-1218	-1344	-1286
219 Total Regional Resources	35406	33959	32684	32623	35616	36394	35401	33938	33224	34082	29611	34829	38420	36759
220 Total Surplus/Deficit	2420	1239	2936	1956	814	-959	-1662	-1153	246	2765	-1436	4889	7284	3529

Loads and Resources - Pacific Northwest Region

Operating Year: 2025 Water Year: 1937

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
221 Retail Loads	31978	31708	28792	29745	33850	36490	36144	34683	32002	30359	30079	28929	30187	32177
222 Federal Agency	160	160	152	166	199	234	232	212	191	166	166	159	159	168
223 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
224 Cooperative	3552	3552	3302	3345	3705	4119	4039	3869	3579	3503	3503	3418	3516	3682
225 Municipality	3324	3324	3151	3525	4044	4443	4432	4220	3901	3577	3577	3156	3168	3356
226 Public Utility District	6036	6036	5633	6195	7198	7947	7943	7491	6964	6440	6440	5882	5762	6076
227 Investor-Owned Utility	18712	18712	16476	16497	18797	19954	19746	19004	17392	16455	16455	16229	17369	18766
228 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
229 Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
230 Federal Diversity	-837	-1107	-878	-805	-746	-939	-946	-811	-822	-653	-933	-872	-789	-908
231 Exports	1211	1296	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1172
232 Canada	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
233 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
234 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
236 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
237 Total Regional Loads	33189	33004	29942	30896	34992	37633	37286	35826	33145	31501	31230	30080	31337	33349
Regional Resources														
238 Hydro	24007	22533	21046	21111	23675	24627	23649	22144	22070	22418	19255	24164	27463	25276
239 Regulated Hydro - Net	21976	20512	19156	19394	22075	23074	22251	20768	20377	20329	17140	21722	24941	23084
240 Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
241 Small Hydro - Net	367	365	284	201	168	161	156	169	207	324	325	445	463	443
242 Hon-Hydro Renewable	218	218	218	219	218	218	207	219	218	218	218	219	217	217
243 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
244 Solar - Net	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
245 Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
246 Thermal	14450	14450	14542	14664	14834	14920	14917	14865	14176	13455	12447	12414	12852	14453
247 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
248 Coal - Net	4194	4194	4193	4194	4194	4195	4195	4195	4194	3454	3454	3861	4193	4193
249 Natural Gas - Net	6410	6410	6469	6544	6693	6763	6769	6723	6675	6632	5632	6117	5971	6412
250 Petroleum - Net	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
251 Biofuel - Net	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7

Loads and Resources - Pacific Northwest Region
Operating Year: 2025 Water Year: 1937
2018 White Book Report Date: **12/1/2018** *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
252 Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2140	2133	2367	2618	2611
253 Imports	950	950	803	742	990	1097	1068	1101	804	708	708	751	1025	1107
254 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
255 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
256 Inland Southwest	804	804	657	595	588	673	613	613	591	561	561	604	879	961
257 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
258 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
259 Reserves & Losses	-4190	-4098	-3916	-3954	-4237	-4386	-4299	-4159	-4024	-3975	-3714	-3997	-4288	-4269
260 Operating Reserves	-1987	-1944	-1809	-1844	-2033	-2147	-2093	-2000	-1898	-1864	-1740	-1861	-2021	-2019
261 Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
262 Transmission Losses	-1240	-1191	-1144	-1147	-1241	-1276	-1243	-1195	-1163	-1148	-1011	-1174	-1304	-1287
263 Total Regional Resources	35435	34053	32693	32782	35481	36476	35542	34170	33244	32824	28914	33550	37270	36784
264 Total Surplus/Deficit	2246	1049	2751	1886	488	-1157	-1745	-1656	99.1	1322	-2316	3471	5932	3436

Loads and Resources - Pacific Northwest Region

Operating Year: 2026 Water Year: 1937

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
265 Retail Loads	32160	31920	29005	29896	34062	36614	36331	34887	32197	30530	30245	29060	30407	32335
266 Federal Agency	161	161	154	166	199	235	233	213	191	167	167	159	159	169
267 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
268 Cooperative	3573	3573	3322	3368	3727	4142	4063	3892	3602	3526	3526	3437	3536	3702
269 Municipality	3334	3334	3160	3534	4055	4455	4443	4230	3911	3584	3584	3165	3177	3365
270 Public Utility District	6086	6086	5680	6244	7250	8001	8006	7553	7029	6497	6497	5938	5817	6133
271 Investor-Owned Utility	18800	18800	16563	16587	18889	20046	19834	19093	17478	16540	16540	16309	17453	18849
272 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
273 Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
274 Federal Diversity	-823	-1064	-828	-826	-712	-998	-946	-793	-812	-654	-938	-906	-737	-920
275 Exports	1211	1296	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1172
276 Canada	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
277 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
278 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
279 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
280 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
281 Total Regional Loads	33372	33216	30156	31046	35205	37756	37473	36030	33339	31672	31396	30210	31557	33507
Regional Resources														
282 Hydro	23965	22534	21043	20942	23821	24522	23497	21882	22047	22523	19233	24350	27504	25215
283 Regulated Hydro - Net	21934	20513	19153	19226	22221	22969	22099	20505	20355	20434	17118	21907	24982	23023
284 Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
285 Small Hydro - Net	367	365	284	201	168	161	156	169	207	324	325	445	463	443
286 Hon-Hydro Renewable	218	218	218	219	218	218	207	219	218	218	218	219	217	217
287 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
288 Solar - Net	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
289 Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
290 Thermal	14450	14450	14542	14664	14834	14250	14114	14061	13372	13345	12384	13096	13203	13650
291 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
292 Coal - Net	4194	4194	4193	4194	4194	3525	3392	3392	3390	2872	3390	3392	3390	3389
293 Natural Gas - Net	6410	6410	6469	6544	6693	6763	6769	6723	6675	6632	5632	6117	5971	6412
294 Petroleum - Net	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
295 Biofuel - Net	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7

Loads and Resources - Pacific Northwest Region
Operating Year: 2026 Water Year: 1937
2018 White Book Report Date: **12/1/2018** *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
296 Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2612	2133	2367	2618	2611
297 Imports	958	958	808	746	993	1100	1071	1104	808	712	712	755	1035	1117
298 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
299 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300 Inland Southwest	812	812	662	599	591	676	616	616	595	565	565	608	889	971
301 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
302 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
303 Reserves & Losses	-4178	-4089	-3906	-3933	-4236	-4328	-4242	-4094	-3975	-3971	-3690	-4020	-4282	-4218
304 Operating Reserves	-1976	-1934	-1799	-1829	-2027	-2114	-2067	-1971	-1876	-1859	-1717	-1854	-2001	-1996
305 Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
306 Transmission Losses	-1239	-1192	-1144	-1142	-1246	-1251	-1212	-1160	-1136	-1148	-1009	-1203	-1318	-1259
307 Total Regional Resources	35413	34071	32705	32638	35631	35762	34647	33171	32471	32828	28857	34399	37677	35982
308 Total Surplus/Deficit	2041	855	2550	1591	426	-1994	-2826	-2859	-868	1156	-2539	4189	6119	2475

Loads and Resources - Pacific Northwest Region

Operating Year: 2027 Water Year: 1937

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
309 Retail Loads	32357	32115	29167	30048	34153	36780	36532	35036	32316	30683	30385	29218	30526	32493
310 Federal Agency	162	162	154	167	200	236	234	211	192	167	167	160	160	169
311 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
312 Cooperative	3592	3592	3341	3389	3749	4165	4085	3890	3623	3546	3546	3455	3554	3721
313 Municipality	3343	3343	3168	3542	4066	4465	4454	4240	3921	3593	3593	3172	3186	3375
314 Public Utility District	6141	6141	5732	6291	7300	8031	8051	7595	7070	6537	6537	5976	5854	6171
315 Investor-Owned Utility	18883	18883	16644	16672	18976	20132	19921	19181	17563	16624	16624	16389	17535	18932
316 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
317 Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
318 Federal Diversity	-794	-1037	-828	-836	-791	-981	-911	-779	-852	-654	-952	-892	-765	-911
319 Exports	1211	1296	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1172
320 Canada	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
321 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
322 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
323 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
324 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
325 Total Regional Loads	33569	33411	30317	31198	35296	37923	37675	36178	33458	31826	31536	30369	31677	33665
Regional Resources														
326 Hydro	23991	22517	21029	21094	23659	24610	23633	22128	22054	22402	19238	24158	27446	25259
327 Regulated Hydro - Net	21960	20496	19140	19378	22059	23057	22235	20751	20361	20313	17124	21715	24925	23068
328 Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
329 Small Hydro - Net	367	365	284	201	168	161	156	169	207	324	325	445	463	443
330 Hon-Hydro Renewable	218	218	218	219	218	218	207	219	218	218	218	219	217	217
331 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
332 Solar - Net	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
333 Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
334 Thermal	13646	13646	13739	13863	14033	14117	14114	14061	13372	13863	12384	11945	12049	13650
335 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
336 Coal - Net	3391	3391	3390	3390	3390	3391	3392	3392	3390	3390	3390	3392	3390	3389
337 Natural Gas - Net	6410	6410	6469	6546	6696	6763	6769	6723	6675	6632	5632	6117	5971	6412
338 Petroleum - Net	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
339 Biofuel - Net	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7

Loads and Resources - Pacific Northwest Region

Operating Year: 2027 Water Year: 1937

2018 White Book Report Date: **12/1/2018** *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
340 Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2612	2133	2367	2618	2611
341 Imports	967	967	812	750	996	1104	1075	1107	811	716	716	759	1044	1127
342 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
343 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
344 Inland Southwest	821	821	666	603	594	680	620	619	598	569	569	612	898	981
345 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
346 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
347 Reserves & Losses	-4132	-4040	-3857	-3895	-4178	-4326	-4255	-4114	-3980	-3985	-3695	-3974	-4244	-4225
348 Operating Reserves	-1955	-1912	-1777	-1811	-2000	-2114	-2075	-1982	-1881	-1860	-1722	-1853	-2003	-2002
349 Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
350 Transmission Losses	-1214	-1165	-1117	-1121	-1215	-1250	-1216	-1168	-1136	-1162	-1010	-1158	-1277	-1260
351 Total Regional Resources	34690	33308	31941	32031	34729	35722	34773	33401	32475	33214	28861	33107	36513	36028
352 Total Surplus/Deficit	1122	-103	1624	833	-567	-2201	-2902	-2777	-983	1388	-2674	2738	4836	2363

Loads and Resources - Pacific Northwest Region

Operating Year: 2028 Water Year: 1937

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
353 Retail Loads	32503	32260	29303	30270	34255	36937	36716	34815	32469	30766	30617	29247	30648	32757
354 Federal Agency	163	163	155	167	201	237	235	215	193	168	168	161	160	170
355 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
356 Cooperative	3611	3611	3358	3409	3769	4186	4107	3932	3643	3566	3566	3473	3571	3739
357 Municipality	3352	3352	3177	3607	4113	4477	4489	4295	3936	3628	3628	3136	3221	3425
358 Public Utility District	6178	6178	5765	6324	7333	8067	8084	7630	7101	6565	6565	6005	5883	6199
359 Investor-Owned Utility	18966	18966	16725	16757	19062	20217	20015	18860	17655	16715	16715	16475	17624	19021
360 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
361 Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
362 Federal Diversity	-796	-1039	-832	-817	-878	-979	-911	-815	-858	-747	-896	-960	-814	-834
363 Exports	1211	1296	1151	1151	1143	1143	1143	1143	1143	1143	1151	1151	1151	1172
364 Canada	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
365 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
366 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
367 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	8.04	8.04	8.04	8.04
368 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
369 Total Regional Loads	33714	33557	30454	31421	35397	38079	37859	35958	33611	31908	31767	30397	31799	33929
Regional Resources														
370 Hydro	23948	22517	21026	20925	23804	24525	23501	21885	22050	22526	19236	24353	27506	25218
371 Regulated Hydro - Net	21917	20497	19137	19209	22204	22972	22102	20509	20358	20437	17121	21910	24985	23026
372 Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
373 Small Hydro - Net	367	365	284	201	168	161	156	169	207	324	325	445	463	443
374 Hon-Hydro Renewable	218	218	218	219	218	218	207	219	218	218	218	219	217	217
375 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
376 Solar - Net	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
377 Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
378 Thermal	13646	13646	13739	13861	14031	14117	14114	14061	13372	12651	11644	13096	13203	13650
379 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
380 Coal - Net	3391	3391	3390	3390	3390	3391	3392	3392	3390	2650	2650	3392	3390	3389
381 Natural Gas - Net	6410	6410	6469	6544	6693	6763	6769	6723	6675	6632	5632	6117	5971	6412
382 Petroleum - Net	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
383 Biofuel - Net	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7

Loads and Resources - Pacific Northwest Region
Operating Year: 2028 Water Year: 1937
2018 White Book Report Date: **12/1/2018** *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
384 Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2140	2133	2367	2618	2611
385 Imports	975	975	816	754	999	1108	1078	1111	815	719	719	764	1053	1138
386 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
387 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
388 Inland Southwest	829	829	670	607	597	684	623	623	602	572	572	617	907	992
389 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
390 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391 Reserves & Losses	-4134	-4045	-3861	-3890	-4192	-4326	-4252	-4093	-3984	-3943	-3675	-4028	-4292	-4228
392 Operating Reserves	-1958	-1917	-1781	-1812	-2010	-2116	-2077	-1969	-1885	-1855	-1727	-1861	-2010	-2006
393 Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
394 Transmission Losses	-1212	-1165	-1117	-1115	-1219	-1247	-1212	-1161	-1136	-1125	-984	-1204	-1318	-1259
395 Total Regional Resources	34654	33312	31938	31869	34860	35642	34647	33182	32471	32171	28142	34404	37688	35995
396 Total Surplus/Deficit	940	-244	1484	448	-537	-2438	-3212	-2775	-1140	263	-3625	4006	5889	2066

Loads and Resources - Pacific Northwest Region

Operating Year: 2029 Water Year: 1937

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
397 Retail Loads	32595	32364	29468	30387	34371	37126	36824	35422	32499	30880	30739	29399	30823	32897
398 Federal Agency	163	163	155	168	201	238	236	216	194	168	168	161	161	170
399 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
400 Cooperative	3629	3629	3376	3429	3790	4208	4128	3957	3664	3587	3587	3491	3589	3758
401 Municipality	3407	3407	3208	3614	4121	4485	4498	4302	3944	3635	3635	3143	3228	3433
402 Public Utility District	6206	6206	5791	6349	7360	8094	8110	7652	7118	6589	6589	6028	5907	6223
403 Investor-Owned Utility	19054	19054	16812	16848	19154	20309	20111	19373	17749	16807	16807	16563	17715	19112
404 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
405 Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
406 Federal Diversity	-895	-1126	-829	-844	-910	-940	-956	-777	-966	-776	-918	-944	-778	-835
Exports														
407 Exports	1211	1296	1151	1151	1143	1143	1143	1143	1143	1143	1143	1143	1143	1164
408 Canada	1202	1287	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
409 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
410 Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
411 Pacific Southwest	8.04	8.04	8.04	8.04	0	0	0	0	0	0	0	0	0	0
412 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
413 Total Regional Loads	33806	33660	30619	31537	35514	38269	37966	36564	33642	32023	31881	30541	31965	34061
Regional Resources														
414 Hydro	23993	22520	21032	21097	23661	24613	23636	22131	22056	22404	19241	24160	27449	25262
415 Regulated Hydro - Net	21963	20499	19143	19380	22061	23060	22237	20755	20363	20315	17126	21718	24927	23070
416 Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
417 Small Hydro - Net	367	365	284	201	168	161	156	169	207	324	325	445	463	443
Hon-Hydro Renewable														
418 Hon-Hydro Renewable	218	218	218	219	218	218	207	219	218	218	218	219	217	217
419 Wind - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
420 Solar - Net	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
421 Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
Thermal														
422 Thermal	13646	13646	13739	13861	14031	14117	14114	14061	13372	13345	12384	11945	12049	13650
423 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
424 Coal - Net	3391	3391	3390	3390	3390	3391	3392	3392	3390	2872	3390	3392	3390	3389
425 Natural Gas - Net	6410	6410	6469	6544	6693	6763	6769	6723	6675	6632	5632	6117	5971	6412
426 Petroleum - Net	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
427 Biofuel - Net	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7

Loads and Resources - Pacific Northwest Region
Operating Year: 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
428 Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2612	2133	2367	2618	2611
429 Imports	984	984	820	758	1003	1111	1081	1114	819	723	723	768	1063	1148
430 Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
431 East of Continental Divide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
432 Inland Southwest	838	838	674	611	601	687	626	626	606	576	576	621	917	1002
433 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
434 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
435 Reserves & Losses	-4142	-4051	-3866	-3905	-4188	-4336	-4265	-4125	-3989	-3977	-3704	-3981	-4253	-4235
436 Operating Reserves	-1965	-1922	-1786	-1821	-2010	-2123	-2086	-1994	-1890	-1870	-1732	-1859	-2013	-2011
437 Balancing Reserves	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963	-963
438 Transmission Losses	-1214	-1166	-1117	-1120	-1215	-1250	-1216	-1168	-1136	-1144	-1010	-1158	-1278	-1261
439 Total Regional Resources	34700	33317	31943	32029	34726	35723	34772	33400	32476	32713	28861	33111	36524	36041
440 Total Surplus/Deficit	894	-342	1324	492	-788	-2546	-3195	-3165	-1165	690	-3020	2570	4559	1980

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Exhibit 25
BPA Sales to Preference and Legacy Customers

Monthly 1-Hour Capacity
Operating Year 2020 to 2029
Using 1937-Water Conditions

BPA Sales to Preference and Legacy Customers
Operating Year 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 DSI Obligation	87.0	87.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
2 Direct Service Industry	87.0	87.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
3 Load Following	4497	4497	4176	4341	5042	5723	5675	5352	4859	4566	4566	4224	4286	4549
4 Cooperative	2702	2702	2464	2383	2740	3148	3074	2903	2621	2538	2538	2469	2566	2726
5 Municipality	783	783	717	743	869	972	988	935	836	757	757	681	719	790
6 Public Utility District	878	878	867	1072	1259	1394	1410	1328	1235	1128	1128	938	866	889
7 Federal Entities	134	134	128	142	175	208	204	186	167	142	142	136	135	144
8 Slice Block	1222	1222	1169	1159	1356	1559	1553	1373	1311	1216	1216	1179	1155	1210
9 Municipality	283	283	284	268	317	385	381	352	354	313	313	266	256	281
10 Public Utility District	940	940	885	891	1039	1174	1171	1021	958	904	904	913	898	929
11 Slice Output from T1 System	2825	2531	2221	2038	2621	2802	2418	2252	2319	2389	1831	2742	3199	2663
12 Municipality	659	591	518	483	622	664	574	534	550	567	434	650	759	632
13 Public Utility District	2166	1941	1703	1554	1999	2137	1845	1718	1769	1823	1397	2091	2440	2031
14 Tier 1 Block	352	352	597	555	954	979	1039	921	926	442	442	166	21.2	368
15 Municipality	340	340	573	504	865	878	917	810	825	399	399	136	0	314
16 Public Utility District	12.0	12.0	24.0	50.7	89.5	101	122	111	101	42.4	42.4	29.7	21.2	53.4
17 Tier 2 - Short Term	0.97	0.97	0.97	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95
18 Municipality	0.97	0.97	0.97	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95
19 USBR Obligation	615	615	539	406	238	316	281	282	381	453	453	541	587	621
20 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
Total Power Sales Contracts														
21 Cooperative	2702	2702	2464	2383	2740	3148	3074	2903	2621	2538	2538	2469	2566	2726
22 Direct Service Industry	87.0	87.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
23 Federal Entities	134	134	128	142	175	208	204	186	167	142	142	136	135	144
24 Municipality	2065	1997	2094	2001	2675	2903	2862	2634	2567	2039	1906	1736	1737	2019
25 Public Utility District	3996	3771	3478	3568	4387	4807	4548	4179	4063	3897	3471	3972	4226	3904
26 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
27 Total Power Sales Contracts	9599	9305	8715	8513	10226	11394	10980	10196	9811	9081	8523	8866	9263	9425

BPA Sales to Preference and Legacy Customers
Operating Year 2021 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 DSI Obligation	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
2 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
3 Load Following	4426	4426	4100	4375	5079	5763	5715	5391	4885	4599	4599	4252	4316	4580
4 Cooperative	2617	2617	2376	2399	2756	3165	3090	2921	2634	2555	2555	2481	2580	2741
5 Municipality	783	783	717	747	873	977	992	938	840	760	760	684	722	793
6 Public Utility District	889	889	876	1079	1265	1401	1415	1333	1233	1134	1134	944	872	895
7 Federal Entities	138	138	132	150	185	220	218	198	178	150	150	143	143	152
8 Slice Block	1181	1181	1126	1191	1392	1598	1591	1459	1346	1250	1250	1211	1187	1243
9 Municipality	275	275	277	269	318	387	383	367	355	314	314	267	258	282
10 Public Utility District	907	907	850	922	1074	1211	1207	1092	990	936	936	944	929	960
11 Slice Output from T1 System	2587	2243	2023	2050	2723	2765	2465	2285	2298	2499	1767	2379	3012	2650
12 Municipality	613	532	480	486	646	656	585	542	545	593	419	564	714	628
13 Public Utility District	1973	1711	1544	1564	2077	2109	1880	1743	1753	1906	1348	1815	2298	2022
14 Tier 1 Block	417	417	692	556	991	946	1076	959	896	443	443	166	21.1	368
15 Municipality	373	373	633	506	903	847	956	846	797	400	400	137	0	315
16 Public Utility District	43.5	43.5	59.2	50.2	87.6	99.0	120	113	98.9	42.1	42.1	29.6	21.1	52.9
17 Tier 2 - Short Term	2.95	2.95	2.95	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08
18 Municipality	2.95	2.95	2.95	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08
19 USBR Obligation	615	615	539	406	238	316	281	282	381	453	453	541	587	621
20 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
Total Power Sales Contracts														
21 Cooperative	2617	2617	2376	2399	2756	3165	3090	2921	2634	2555	2555	2481	2580	2741
22 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
23 Federal Entities	138	138	132	150	185	220	218	198	178	150	150	143	143	152
24 Municipality	2048	1966	2110	2013	2745	2871	2920	2697	2541	2072	1898	1656	1698	2023
25 Public Utility District	3812	3550	3328	3615	4503	4820	4623	4281	4075	4018	3459	3732	4120	3929
26 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
27 Total Power Sales Contracts	9241	8897	8496	8594	10439	11404	11143	10391	9821	9260	8527	8565	9139	9478

BPA Sales to Preference and Legacy Customers
Operating Year 2022 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 DSI Obligation	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
2 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
3 Load Following	4457	4457	4127	4409	5115	5801	5782	5462	4955	4672	4672	4322	4387	4652
4 Cooperative	2632	2632	2389	2417	2774	3184	3109	2941	2653	2574	2574	2498	2597	2758
5 Municipality	786	786	719	748	874	979	1023	971	868	799	799	722	760	831
6 Public Utility District	894	894	880	1091	1277	1413	1427	1347	1253	1146	1146	956	884	907
7 Federal Entities	145	145	138	153	190	225	223	203	182	153	153	146	146	155
8 Slice Block	1214	1214	1158	1289	1498	1710	1701	1564	1447	1350	1350	1307	1279	1335
9 Municipality	276	276	278	273	322	392	388	371	360	318	318	271	261	286
10 Public Utility District	938	938	880	1016	1176	1318	1312	1193	1087	1032	1032	1036	1018	1049
11 Slice Output from T1 System	2576	2215	2016	2070	2653	2834	2455	2289	2355	2398	1809	2773	3202	2699
12 Municipality	611	525	478	491	629	672	582	543	559	569	429	658	759	640
13 Public Utility District	1965	1690	1538	1579	2024	2162	1873	1746	1797	1829	1380	2115	2443	2059
14 Tier 1 Block	417	417	693	576	956	947	1077	960	897	443	443	166	21.1	381
15 Municipality	374	374	635	526	869	849	958	848	798	401	401	137	0	328
16 Public Utility District	42.9	42.9	58.1	50.1	87.2	98.7	119	112	98.5	42.1	42.1	29.5	21.1	52.8
17 Tier 2 - Short Term	4.08	4.08	4.08	6.91	6.91	6.91	6.91	6.91	6.91	6.91	6.91	6.91	6.91	6.91
18 Municipality	4.08	4.08	4.08	6.91	6.91	6.91	6.91	6.91	6.91	6.91	6.91	6.91	6.91	6.91
19 USBR Obligation	615	615	539	406	238	316	281	282	381	453	453	541	587	621
20 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
Total Power Sales Contracts														
21 Cooperative	2632	2632	2389	2417	2774	3184	3109	2941	2653	2574	2574	2498	2597	2758
22 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
23 Federal Entities	145	145	138	153	190	225	223	203	182	153	153	146	146	155
24 Municipality	2051	1966	2115	2045	2702	2898	2958	2740	2591	2094	1954	1794	1787	2092
25 Public Utility District	3839	3564	3357	3736	4565	4992	4732	4398	4235	4049	3600	4137	4366	4069
26 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
27 Total Power Sales Contracts	9294	8934	8550	8770	10480	11627	11314	10577	10055	9335	8746	9128	9495	9707

BPA Sales to Preference and Legacy Customers
Operating Year 2023 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 DSI Obligation	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
2 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
3 Load Following	4530	4530	4200	4472	5182	5862	5811	5463	4985	4703	4703	4351	4415	4681
4 Cooperative	2650	2650	2407	2438	2795	3206	3127	2935	2671	2592	2592	2513	2612	2774
5 Municipality	825	825	760	780	910	1007	1024	971	868	801	801	724	762	834
6 Public Utility District	906	906	892	1102	1289	1426	1439	1359	1266	1159	1159	969	896	920
7 Federal Entities	149	149	141	152	188	223	221	198	180	152	152	145	145	154
8 Slice Block	1308	1308	1255	1313	1525	1740	1731	1592	1473	1374	1374	1330	1302	1360
9 Municipality	280	280	282	279	329	400	396	379	367	324	324	276	266	292
10 Public Utility District	1028	1028	973	1034	1196	1341	1335	1213	1106	1050	1050	1054	1036	1068
11 Slice Output from T1 System	2580	2216	2028	2055	2728	2775	2474	2293	2306	2505	1773	2380	2988	2658
12 Municipality	612	525	481	487	647	658	587	544	547	594	420	564	709	630
13 Public Utility District	1968	1690	1547	1567	2081	2117	1887	1750	1759	1911	1352	1815	2279	2028
14 Tier 1 Block	404	404	694	573	941	934	1059	942	881	458	458	161	21.1	377
15 Municipality	361	361	636	526	869	849	958	848	798	417	417	132	0	328
16 Public Utility District	42.8	42.8	57.9	46.8	72.4	85.6	101	94.1	83.1	41.1	41.1	29.5	21.1	49.1
17 Tier 2 - Short Term	6.91	6.91	6.91	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01
18 Municipality	6.91	6.91	6.91	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01	8.01
19 USBR Obligation	615	615	539	406	238	316	281	282	381	453	453	541	587	621
20 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
Total Power Sales Contracts														
21 Cooperative	2650	2650	2407	2438	2795	3206	3127	2935	2671	2592	2592	2513	2612	2774
22 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
23 Federal Entities	149	149	141	152	188	223	221	198	180	152	152	145	145	154
24 Municipality	2085	1998	2165	2080	2763	2921	2973	2750	2589	2144	1971	1704	1745	2092
25 Public Utility District	3945	3667	3470	3750	4639	4969	4762	4416	4214	4161	3602	3868	4232	4065
26 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
27 Total Power Sales Contracts	9455	9091	8734	8838	10635	11648	11376	10593	10047	9514	8782	8782	9332	9718

BPA Sales to Preference and Legacy Customers
Operating Year 2024 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 DSI Obligation	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
2 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
3 Load Following	4560	4560	4228	4499	5210	5893	5839	5518	5013	4727	4727	4373	4438	4706
4 Cooperative	2665	2665	2421	2451	2807	3220	3140	2968	2683	2603	2603	2522	2621	2785
5 Municipality	828	828	762	783	913	1011	1028	977	871	801	801	725	763	835
6 Public Utility District	919	919	904	1114	1301	1438	1450	1372	1278	1171	1171	981	908	932
7 Federal Entities	148	148	140	152	189	224	222	202	181	153	153	146	145	155
8 Slice Block	1331	1331	1277	1286	1494	1705	1696	1506	1443	1346	1346	1303	1276	1333
9 Municipality	285	285	287	274	323	392	389	359	360	319	319	271	261	287
10 Public Utility District	1046	1046	990	1012	1171	1312	1307	1147	1083	1028	1028	1032	1014	1046
11 Slice Output from T1 System	2572	2193	2024	2077	2661	2842	2458	2292	2358	2403	1814	2773	3205	2702
12 Municipality	610	520	480	492	631	674	583	544	559	570	430	658	760	641
13 Public Utility District	1962	1673	1544	1584	2030	2168	1875	1748	1799	1833	1383	2116	2445	2061
14 Tier 1 Block	400	400	686	568	920	950	996	880	890	441	441	161	21.1	360
15 Municipality	361	361	636	526	869	883	921	814	829	401	401	132	0	316
16 Public Utility District	39.0	39.0	50.1	42.1	50.9	66.8	74.4	65.8	60.9	39.6	39.6	29.6	21.1	43.8
17 Tier 2 - Short Term	8.01	8.01	8.01	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39
18 Municipality	8.01	8.01	8.01	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39
19 USBR Obligation	615	615	539	406	238	316	281	282	381	453	453	541	587	621
20 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
Total Power Sales Contracts														
21 Cooperative	2665	2665	2421	2451	2807	3220	3140	2968	2683	2603	2603	2522	2621	2785
22 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
23 Federal Entities	148	148	140	152	189	224	222	202	181	153	153	146	145	155
24 Municipality	2093	2003	2174	2083	2745	2968	2929	2702	2628	2099	1959	1793	1793	2086
25 Public Utility District	3966	3677	3489	3752	4553	4986	4706	4333	4220	4071	3622	4159	4388	4083
26 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
27 Total Power Sales Contracts	9498	9119	8775	8857	10543	11726	11290	10499	10105	9391	8802	9172	9546	9741

BPA Sales to Preference and Legacy Customers
Operating Year 2025 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 DSI Obligation	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
2 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
3 Load Following	4583	4583	4250	4531	5243	5927	5872	5553	5037	4758	4758	4402	4466	4736
4 Cooperative	2675	2675	2430	2465	2822	3235	3156	2987	2698	2618	2618	2534	2634	2798
5 Municipality	829	829	763	785	916	1014	1031	979	874	804	804	728	767	839
6 Public Utility District	931	931	916	1127	1314	1452	1461	1383	1282	1182	1182	993	919	944
7 Federal Entities	148	148	141	154	190	226	224	204	183	154	154	147	147	156
8 Slice Block	1305	1305	1251	1308	1520	1734	1725	1587	1468	1370	1370	1326	1298	1355
9 Municipality	281	281	282	279	328	399	396	378	366	324	324	276	266	292
10 Public Utility District	1024	1024	969	1030	1192	1335	1330	1208	1101	1045	1045	1050	1032	1064
11 Slice Output from T1 System	2577	2213	2025	2052	2725	2772	2471	2291	2304	2505	1772	2375	2985	2656
12 Municipality	611	525	480	487	646	657	586	543	546	594	420	563	708	630
13 Public Utility District	1966	1688	1545	1565	2079	2115	1885	1748	1757	1911	1352	1812	2277	2026
14 Tier 1 Block	395	395	702	547	914	944	989	910	884	440	440	161	21.0	358
15 Municipality	361	361	663	506	867	880	919	846	827	400	400	131	0	315
16 Public Utility District	33.6	33.6	38.9	41.3	47.6	63.8	70.2	64.1	57.4	39.3	39.3	29.5	21.0	42.9
17 Tier 2 - Short Term	8.39	8.39	8.39	9.56	9.56	9.56	9.56	9.56	9.56	9.56	9.56	9.56	9.56	9.56
18 Municipality	8.39	8.39	8.39	9.56	9.56	9.56	9.56	9.56	9.56	9.56	9.56	9.56	9.56	9.56
19 USBR Obligation	615	615	539	406	238	316	281	282	381	453	453	541	587	621
20 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
Total Power Sales Contracts														
21 Cooperative	2675	2675	2430	2465	2822	3235	3156	2987	2698	2618	2618	2534	2634	2798
22 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
23 Federal Entities	148	148	141	154	190	226	224	204	183	154	154	147	147	156
24 Municipality	2090	2004	2197	2065	2767	2960	2941	2756	2623	2132	1958	1708	1750	2085
25 Public Utility District	3955	3677	3469	3763	4633	4966	4746	4403	4198	4178	3619	3884	4249	4076
26 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
27 Total Power Sales Contracts	9495	9131	8787	8865	10662	11715	11359	10645	10095	9547	8815	8825	9378	9747

BPA Sales to Preference and Legacy Customers
Operating Year 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 DSI Obligation	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
2 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
3 Load Following	4613	4613	4277	4558	5271	5957	5901	5583	5072	4784	4784	4425	4489	4761
4 Cooperative	2688	2688	2442	2479	2836	3250	3171	3002	2712	2632	2632	2545	2644	2809
5 Municipality	833	833	766	787	919	1017	1034	981	876	805	805	729	768	841
6 Public Utility District	942	942	927	1138	1326	1464	1472	1396	1301	1193	1193	1004	930	954
7 Federal Entities	149	149	142	154	191	227	225	205	183	154	154	147	147	156
8 Slice Block	1327	1327	1273	1280	1487	1697	1688	1553	1436	1340	1340	1297	1270	1326
9 Municipality	286	286	287	273	321	391	388	371	359	317	317	270	260	286
10 Public Utility District	1042	1042	986	1007	1166	1306	1301	1182	1077	1023	1023	1027	1009	1041
11 Slice Output from T1 System	2569	2190	2021	2074	2658	2834	2451	2285	2350	2395	1806	2768	3197	2694
12 Municipality	609	519	479	492	630	672	581	542	557	568	428	656	758	639
13 Public Utility District	1960	1671	1542	1582	2027	2162	1870	1743	1793	1827	1378	2111	2439	2055
14 Tier 1 Block	407	407	672	546	949	909	987	908	883	439	439	166	21.0	357
15 Municipality	374	374	635	505	901	845	917	844	825	400	400	136	0	314
16 Public Utility District	32.7	32.7	37.1	41.2	47.5	63.6	70.1	64.0	57.3	39.2	39.2	29.4	21.0	42.8
17 Tier 2 - Short Term	9.56	9.56	9.56	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
18 Municipality	9.56	9.56	9.56	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
19 USBR Obligation	615	615	539	406	238	316	281	282	381	453	453	541	587	621
20 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
Total Power Sales Contracts														
21 Cooperative	2688	2688	2442	2479	2836	3250	3171	3002	2712	2632	2632	2545	2644	2809
22 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
23 Federal Entities	149	149	142	154	191	227	225	205	183	154	154	147	147	156
24 Municipality	2111	2022	2177	2067	2782	2936	2931	2749	2629	2101	1961	1803	1798	2090
25 Public Utility District	3976	3688	3492	3768	4566	4996	4713	4384	4228	4082	3633	4172	4399	4093
26 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
27 Total Power Sales Contracts	9552	9173	8804	8887	10625	11736	11331	10634	10145	9434	8845	9219	9587	9782

BPA Sales to Preference and Legacy Customers
Operating Year 2027 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 DSI Obligation	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
2 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
3 Load Following	4637	4637	4299	4585	5300	5988	5932	5584	5100	4811	4811	4450	4514	4787
4 Cooperative	2699	2699	2452	2494	2851	3265	3186	2992	2726	2645	2645	2556	2655	2821
5 Municipality	835	835	768	790	922	1021	1038	984	880	808	808	732	771	844
6 Public Utility District	953	953	937	1147	1335	1474	1482	1404	1310	1203	1203	1013	939	964
7 Federal Entities	150	150	142	155	192	228	226	203	184	155	155	148	148	157
8 Slice Block	1299	1299	1246	1306	1517	1731	1722	1584	1465	1367	1367	1323	1295	1353
9 Municipality	280	280	281	279	328	399	396	378	366	324	324	275	266	292
10 Public Utility District	1019	1019	964	1028	1189	1332	1327	1206	1099	1043	1043	1048	1029	1061
11 Slice Output from T1 System	2575	2210	2022	2049	2723	2769	2469	2288	2301	2502	1769	2374	2982	2653
12 Municipality	611	524	480	486	646	657	585	543	546	593	420	563	707	629
13 Public Utility District	1964	1686	1543	1563	2077	2112	1883	1745	1755	1908	1350	1811	2275	2024
14 Tier 1 Block	406	406	670	546	949	909	1024	909	852	439	439	166	21.0	357
15 Municipality	373	373	633	505	901	845	954	844	795	400	400	136	0	314
16 Public Utility District	32.6	32.6	37.0	41.2	47.8	63.9	70.4	64.3	57.6	39.3	39.3	29.4	21.0	42.9
17 Tier 2 - Short Term	10.9	10.9	10.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
18 Municipality	10.9	10.9	10.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
19 USBR Obligation	615	615	539	406	238	316	281	282	381	453	453	541	587	621
20 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
Total Power Sales Contracts														
21 Cooperative	2699	2699	2452	2494	2851	3265	3186	2992	2726	2645	2645	2556	2655	2821
22 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
23 Federal Entities	150	150	142	155	192	228	226	203	184	155	155	148	148	157
24 Municipality	2109	2023	2173	2071	2809	2933	2985	2762	2598	2137	1963	1719	1757	2091
25 Public Utility District	3969	3691	3481	3779	4649	4982	4762	4420	4222	4194	3635	3902	4264	4092
26 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
27 Total Power Sales Contracts	9554	9190	8799	8916	10750	11736	11451	10671	10124	9596	8864	8877	9423	9794

BPA Sales to Preference and Legacy Customers
Operating Year 2028 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 DSI Obligation	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
2 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
3 Load Following	4663	4663	4323	4612	5328	6017	5960	5638	5126	4836	4836	4472	4535	4808
4 Cooperative	2711	2711	2463	2506	2863	3278	3200	3026	2739	2658	2658	2566	2665	2831
5 Municipality	838	838	771	793	926	1025	1042	991	883	811	811	736	775	848
6 Public Utility District	962	962	946	1158	1346	1485	1491	1415	1320	1212	1212	1022	947	971
7 Federal Entities	151	151	143	155	193	229	227	207	185	156	156	149	148	158
8 Slice Block	1325	1325	1271	1282	1489	1699	1691	1501	1438	1342	1342	1299	1271	1328
9 Municipality	286	286	287	274	322	392	389	359	359	318	318	270	261	287
10 Public Utility District	1039	1039	984	1008	1167	1307	1302	1143	1078	1024	1024	1028	1010	1042
11 Slice Output from T1 System	2566	2188	2018	2071	2655	2836	2452	2286	2352	2396	1807	2769	3198	2695
12 Municipality	609	519	479	491	630	672	582	542	558	568	429	657	759	639
13 Public Utility District	1958	1669	1540	1580	2025	2163	1871	1744	1794	1828	1379	2112	2440	2056
14 Tier 1 Block	406	406	671	566	914	910	1025	874	853	455	455	161	21.0	370
15 Municipality	373	373	633	524	866	846	954	811	795	416	416	131	0	327
16 Public Utility District	32.7	32.7	37.2	41.4	48.3	64.4	71.1	62.7	58.2	39.3	39.3	29.4	21.0	43.0
17 Tier 2 - Short Term	12.0	12.0	12.0	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
18 Municipality	12.0	12.0	12.0	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
19 USBR Obligation	615	615	539	406	238	316	281	282	381	453	453	541	587	621
20 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
Total Power Sales Contracts														
21 Cooperative	2711	2711	2463	2506	2863	3278	3200	3026	2739	2658	2658	2566	2665	2831
22 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
23 Federal Entities	151	151	143	155	193	229	227	207	185	156	156	149	148	158
24 Municipality	2118	2028	2182	2095	2757	2948	2980	2716	2609	2127	1987	1807	1808	2114
25 Public Utility District	3992	3703	3507	3787	4586	5020	4735	4364	4250	4103	3653	4192	4418	4112
26 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
27 Total Power Sales Contracts	9598	9220	8846	8962	10649	11803	11434	10607	10176	9508	8919	9266	9638	9848

BPA Sales to Preference and Legacy Customers
Operating Year 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest														
1 DSI Obligation	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
2 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
3 Load Following	4684	4684	4343	4635	5352	6043	5987	5668	5144	4860	4860	4493	4556	4831
4 Cooperative	2721	2721	2473	2519	2877	3293	3217	3048	2754	2673	2673	2579	2678	2844
5 Municipality	842	842	775	797	930	1030	1047	995	887	815	815	739	779	853
6 Public Utility District	969	969	952	1164	1352	1491	1496	1419	1317	1216	1216	1026	951	975
7 Federal Entities	151	151	143	156	193	229	227	207	185	156	156	149	149	158
8 Slice Block	1301	1301	1247	1299	1508	1721	1712	1575	1457	1360	1360	1315	1288	1346
9 Municipality	281	281	282	277	326	396	394	376	364	322	322	274	264	290
10 Public Utility District	1020	1020	966	1022	1182	1324	1319	1199	1093	1038	1038	1042	1024	1056
11 Slice Output from T1 System	2576	2212	2023	2050	2724	2770	2470	2289	2302	2503	1770	2375	2983	2654
12 Municipality	611	524	480	486	646	657	586	543	546	594	420	563	707	629
13 Public Utility District	1965	1687	1543	1564	2078	2113	1884	1746	1756	1909	1351	1812	2276	2024
14 Tier 1 Block	393	393	671	564	911	940	985	906	850	454	454	160	21.0	369
15 Municipality	360	360	634	523	863	877	915	843	793	415	415	131	0	326
16 Public Utility District	32.9	32.9	37.5	41.1	47.4	63.5	69.9	63.8	57.2	39.2	39.2	29.4	21.0	42.7
17 Tier 2 - Short Term	13.4	13.4	13.4	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
18 Municipality	13.4	13.4	13.4	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
19 USBR Obligation	615	615	539	406	238	316	281	282	381	453	453	541	587	621
20 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
Total Power Sales Contracts														
21 Cooperative	2721	2721	2473	2519	2877	3293	3217	3048	2754	2673	2673	2579	2678	2844
22 Direct Service Industry	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
23 Federal Entities	151	151	143	156	193	229	227	207	185	156	156	149	149	158
24 Municipality	2107	2021	2184	2097	2780	2975	2956	2771	2605	2159	1986	1722	1765	2113
25 Public Utility District	3987	3709	3498	3791	4659	4992	4769	4428	4223	4203	3644	3909	4271	4098
26 USBR	615	615	539	406	238	316	281	282	381	453	453	541	587	621
27 Total Power Sales Contracts	9593	9229	8849	8981	10759	11817	11461	10748	10161	9657	8924	8911	9462	9847

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Exhibit 26
Regional Regulated Hydro

Monthly 1-Hour Capacity
Operating Year 2020 to 2029
Using 1937-Water Conditions

Regional: Regulated Hydro
Operating Year 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	39.0	39.0	38.3	37.1	21.5	19.5	21.8	23.3	23.4	25.3	30.2	27.9	36.0	33.3
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	28.0	28.0	30.3	0	46.6	51.4	48.7
3 Bonneville	920	920	972	955	960	923	980	963	955	950	950	939	758	933
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	909	676
5 Box Canyon Dam	76.9	77.0	76.4	72.9	75.8	75.7	75.3	76.6	76.7	96.9	98.0	89.4	86.6	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	67.3	67.1	66.4	65.9	65.4	64.3	63.8	63.6	4.00	4.00	66.5	68.1
9 Chief Joseph	2385	2385	1846	2146	2261	2263	2221	2273	2141	2223	2223	2306	2318	2318
10 Cushman 1	36.4	30.5	26.9	9.89	8.38	17.2	17.2	15.2	17.1	21.3	23.9	28.3	34.4	32.6
11 Cushman 2	88.0	88.0	0.33	0	0	4.94	88.0	76.1	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	307	191	426	405	384	436	435	440	445	447	349	348
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	33.2
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	4583	4495	5054	4814	4086	3679	4198	4910	5064	4436	4313	4358	4293	4760
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	195	195	193	191	197	371	330	190	275	318	238	363	194	195
19 Ice Harbor	534	534	529	469	508	524	508	578	560	554	541	596	635	493
20 John Day	2226	2226	2004	1866	2233	2285	2268	2248	2259	2112	2112	2234	2285	2156
21 Kerr	179	179	179	178	177	175	171	166	165	165	165	172	178	180
22 La Grande	62.9	63.3	63.6	63.3	63.6	63.6	63.0	63.3	63.0	62.9	63.6	63.2	63.0	62.9
23 Libby	351	350	517	593	589	583	484	526	528	479	479	459	464	364
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	346	346	662	763	767	821	873	846	854	764	740	848	843	823
26 Long Lake	72.0	72.0	72.2	72.0	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	64.2	57.3	0	0	0	0	63.5	49.7	49.7	-38.6	-40.3	60.7	69.4	70.6
28 Lower Granite	604	693	811	775	770	780	806	846	857	776	756	867	756	750
29 Lower Monumental	269	269	451	701	763	868	878	878	853	808	831	860	780	708
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	125	125
31 McNary	1031	1031	978	952	979	1033	1062	1061	1055	1035	1035	1049	988	1053
32 Merwin	147	146	140	130	113	128	128	113	113	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	149	157	196	236	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	330	438	440	428	440	432	432	432	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

Regional: Regulated Hydro
Operating Year 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.34	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.9	10.5	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	557	565	556	530	515	542	572	581	593	593	593	565	547	562
46 Rocky Reach	1308	1306	1161	1124	1199	1244	1204	1196	1196	1196	1304	1307	1312	1307
47 Ross	448	395	213	343	295	398	355	278	183	187	189	197	366	445
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	135	206	0.21	168	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	39.3	64.0	0.09	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1642	1642	1672	1578	1607	1725	1697	1858	1860	1844	1844	1827	1752	1808
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.1	79.6	85.2
53 Upper Baker	103	103	103	94.4	0	85.7	83.3	83.0	48.6	41.3	0	101	103	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	847	841	836	836	889	843	836	836	836	836	836	843	856	846
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	105	133	130	116	102	94.0	94.0	106	106	0	133	132
Total Regulated Hydro														
58 Federal Entities	15573	15572	16035	16032	16166	16280	16710	17636	17720	16766	16537	17181	16450	16742
59 Investor Owned Utilities	4118	4043	3780	3926	3754	4046	4200	4075	4120	3972	3797	4244	4381	4404
60 Marketer	1190	1167	1080	1051	1082	1124	1060	1060	1055	1032	1073	1061	1078	1092
61 Municipality	2297	2260	2110	2241	2137	2098	2196	1956	1784	1856	1829	1881	2431	2357
62 Public Utility District	2270	2268	2143	2194	2174	2225	2304	2294	2218	2232	2211	2308	2377	2352
63 Total Regulated Hydro	25449	25310	25147	25443	25312	25773	26470	27020	26897	25858	25448	26675	26717	26947

Regional: Regulated Hydro
Operating Year 2021 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	39.0	39.0	36.8	37.1	25.0	22.3	21.8	23.3	23.4	25.3	30.2	35.9	46.0	46.9
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	28.0	28.0	30.3	0	46.6	51.4	48.7
3 Bonneville	905	905	929	913	907	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	909	676
5 Box Canyon Dam	76.9	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	98.0	89.4	86.6	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	48.3	67.1	66.4	65.9	65.4	64.3	63.8	63.6	4.00	4.00	66.5	68.1
9 Chief Joseph	2306	2306	2144	2236	2283	2261	2248	2289	2108	2213	2213	2328	2318	2328
10 Cushman 1	21.4	16.8	13.3	9.89	8.38	17.2	17.2	15.2	17.1	21.3	23.9	28.3	34.4	32.6
11 Cushman 2	88.0	88.0	0	0	0	4.94	88.0	76.1	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	348	347	398	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	33.2
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	4798	4722	3871	3750	4042	4015	4040	4607	4567	4167	4051	4259	4849	5128
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	195	195	193	195	343	371	242	179	175	159	119	181	260	195
19 Ice Harbor	633	633	614	627	610	672	596	681	662	654	639	629	635	515
20 John Day	2187	2187	1865	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	171	166	165	165	165	172	178	180
22 La Grande	62.9	63.3	63.6	63.3	63.6	63.6	63.0	63.3	63.0	62.9	63.6	63.2	63.0	62.9
23 Libby	400	400	497	517	567	583	502	530	470	416	415	459	464	472
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	654	654	806	771	840	807	873	864	856	766	742	848	847	769
26 Long Lake	72.0	72.0	72.0	72.0	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	0	0	0	0	63.5	49.7	49.7	-38.6	-40.3	60.7	69.4	70.6
28 Lower Granite	633	633	767	735	740	857	796	856	857	776	756	867	756	778
29 Lower Monumental	650	650	705	701	771	870	878	878	853	808	831	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	125	125
31 McNary	1045	1045	991	930	979	973	1045	981	1009	1026	1026	1050	981	971
32 Merwin	147	146	147	130	113	128	128	113	113	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	149	157	196	236	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	339	438	440	428	440	432	432	432	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

Regional: Regulated Hydro
Operating Year 2021 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.9	10.5	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	560	567	557	530	515	542	572	581	593	593	593	565	547	562
46 Rocky Reach	1308	1306	1161	1124	1199	1244	1204	1196	1196	1196	1304	1307	1312	1307
47 Ross	0	331	392	343	295	398	355	278	183	187	189	197	366	445
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	261	206	0.21	168	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	63.9	64.0	0.09	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1780	1780	1652	1656	1725	1784	1880	1752	1717	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.1	79.6	85.2
53 Upper Baker	103	103	103	94.4	0	85.7	83.3	83.0	48.6	41.3	0	101	103	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	846	840	836	836	889	843	836	836	836	836	836	843	856	846
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	129	133	130	116	102	94.0	94.0	106	106	0	133	132
Total Regulated Hydro														
58 Federal Entities	16573	16495	15469	15525	16556	16697	16671	17242	16848	16130	15946	16760	17195	17072
59 Investor Owned Utilities	4113	4043	3929	3926	3754	4046	4200	4075	4120	3972	3797	4244	4381	4404
60 Marketer	1098	1074	994	968	996	1035	1060	1060	1055	1032	1073	1061	1078	1092
61 Municipality	1834	2182	2275	2241	2137	2098	2196	1956	1784	1856	1829	1881	2431	2357
62 Public Utility District	2363	2361	2249	2276	2259	2314	2304	2294	2218	2232	2211	2308	2377	2352
63 Total Regulated Hydro	25981	26155	24916	24937	25702	26190	26431	26627	26025	25221	24857	26253	27461	27277

Regional: Regulated Hydro
Operating Year 2022 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	39.0	39.0	37.4	37.1	20.6	20.2	21.8	23.3	23.4	25.3	30.2	35.9	46.0	46.4
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	28.0	28.0	30.3	0	46.6	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	909	676
5 Box Canyon Dam	76.9	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	98.0	89.4	86.6	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	48.3	67.1	66.4	65.9	65.4	64.3	63.8	63.6	4.00	4.00	66.5	68.1
9 Chief Joseph	2316	2316	2034	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	21.4	16.8	13.3	9.89	8.38	17.2	17.2	15.2	17.1	21.3	23.9	28.3	34.4	32.6
11 Cushman 2	88.0	88.0	0	0	0	4.94	88.0	76.1	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	33.2
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5028	4947	4404	3750	4042	4015	4040	4607	4567	4167	4051	4259	4849	5128
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	195	195	193	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	565	565	672	627	610	672	596	681	662	654	639	629	635	515
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	171	166	165	165	165	172	178	180
22 La Grande	62.9	63.3	63.6	63.3	63.6	63.6	63.0	63.3	63.0	62.9	63.6	63.2	63.0	62.9
23 Libby	372	372	462	517	567	583	502	530	470	416	415	459	464	472
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	787	771	840	807	873	864	856	766	742	848	847	769
26 Long Lake	72.0	72.0	72.0	72.0	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	0	0	0	0	63.5	49.7	49.7	-38.6	-40.3	60.7	69.4	70.6
28 Lower Granite	580	580	718	735	740	857	796	856	857	776	756	867	756	778
29 Lower Monumental	645	645	690	701	771	870	878	878	853	808	831	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	125	125
31 McNary	935	935	983	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	147	130	113	128	128	113	113	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	149	157	196	236	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	339	438	440	428	440	432	432	432	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

Regional: Regulated Hydro
Operating Year 2022 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.9	10.5	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	560	567	557	530	515	542	572	581	593	593	593	565	547	562
46 Rocky Reach	1308	1306	1161	1124	1199	1244	1204	1196	1196	1196	1304	1307	1312	1307
47 Ross	0	331	392	343	295	398	355	278	183	187	189	197	366	445
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	261	206	0.21	168	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	63.9	64.0	0.09	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1717	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.1	79.6	85.2
53 Upper Baker	103	103	103	94.4	0	85.7	83.3	83.0	48.6	41.3	0	101	103	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	846	840	836	836	889	843	836	836	836	836	836	843	856	846
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	129	133	130	116	102	94.0	94.0	106	106	0	133	132
Total Regulated Hydro														
58 Federal Entities	16630	16547	16326	15420	16256	16500	16463	17148	16727	16020	15802	16595	17005	16996
59 Investor Owned Utilities	4113	4043	3929	3926	3754	4046	4200	4075	4120	3972	3797	4244	4381	4404
60 Marketer	1098	1074	994	968	996	1035	971	971	965	943	978	967	985	998
61 Municipality	1834	2182	2275	2241	2137	2098	2196	1956	1784	1856	1829	1881	2431	2357
62 Public Utility District	2363	2361	2249	2276	2259	2314	2393	2383	2307	2321	2306	2401	2470	2446
63 Total Regulated Hydro	26038	26208	25773	24832	25402	25993	26223	26532	25904	25112	24712	26088	27272	27201

Regional: Regulated Hydro
Operating Year 2023 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	31.9	31.9	21.3	37.1	25.0	22.3	21.8	23.3	23.4	25.3	30.2	35.9	46.0	46.9
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	28.0	28.0	30.3	0	46.6	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	909	676
5 Box Canyon Dam	76.9	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	98.0	89.4	86.6	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	48.3	67.1	66.4	65.9	65.4	64.3	63.8	63.6	4.00	4.00	66.5	68.1
9 Chief Joseph	2222	2222	1940	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	21.4	16.8	13.3	9.89	8.38	17.2	17.2	15.2	17.1	21.3	23.9	28.3	34.4	32.6
11 Cushman 2	88.0	88.0	0	0	0	4.94	88.0	76.1	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	33.2
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5028	4947	4404	3750	4042	4015	4040	4607	4567	4167	4051	4259	4849	5128
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	293	292	290	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	565	565	672	627	610	672	596	681	662	654	639	629	635	515
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	171	166	165	165	165	172	178	180
22 La Grande	62.9	63.3	63.6	63.3	63.6	63.6	63.0	63.3	63.0	62.9	63.6	63.2	63.0	62.9
23 Libby	372	372	462	517	567	583	502	530	470	416	415	459	464	472
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	787	771	840	807	873	864	856	766	742	848	847	769
26 Long Lake	72.0	72.0	72.0	72.0	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	0	0	0	0	63.5	49.7	49.7	-38.6	-40.3	60.7	69.4	70.6
28 Lower Granite	580	580	718	735	740	857	796	856	857	776	756	867	756	778
29 Lower Monumental	645	645	690	701	771	870	878	878	853	808	831	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	125	125
31 McNary	884	884	830	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	147	130	113	128	128	113	113	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	149	157	196	236	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	339	438	440	428	440	432	432	432	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

Regional: Regulated Hydro
Operating Year 2023 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.9	10.5	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	560	567	557	530	515	542	572	581	593	593	593	565	547	562
46 Rocky Reach	1308	1306	1161	1124	1199	1244	1204	1196	1196	1196	1304	1307	1312	1307
47 Ross	0	331	392	343	295	398	355	278	183	187	189	197	366	445
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	261	206	0.21	168	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	63.9	64.0	0.09	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1717	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.1	79.6	85.2
53 Upper Baker	103	103	103	94.4	0	85.7	83.3	83.0	48.6	41.3	0	101	103	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	846	840	836	836	889	843	836	836	836	836	836	843	856	846
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	129	133	130	116	102	94.0	94.0	106	106	0	133	132
Total Regulated Hydro														
58 Federal Entities	16576	16493	16160	15420	16260	16502	16463	17148	16727	16020	15802	16595	17005	16997
59 Investor Owned Utilities	4113	4043	3929	3926	3754	4046	4200	4075	4120	3972	3797	4244	4381	4404
60 Marketer	1004	980	908	885	911	946	793	794	786	764	789	780	799	811
61 Municipality	1834	2182	2275	2241	2137	2098	2196	1956	1784	1856	1829	1881	2431	2357
62 Public Utility District	2456	2455	2335	2359	2345	2403	2571	2560	2486	2500	2495	2588	2656	2633
63 Total Regulated Hydro	25984	26153	25607	24832	25406	25995	26223	26532	25904	25112	24712	26088	27272	27201

Regional: Regulated Hydro
Operating Year 2024 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	39.0	39.0	37.4	37.1	25.0	22.3	21.8	23.3	23.4	25.3	30.2	35.9	46.0	46.9
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	28.0	28.0	30.3	0	46.6	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	909	676
5 Box Canyon Dam	76.9	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	98.0	89.4	86.6	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	48.3	67.1	66.4	65.9	65.4	64.3	63.8	63.6	4.00	4.00	66.5	68.1
9 Chief Joseph	2222	2222	1940	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	21.4	16.8	13.3	9.89	8.38	17.2	17.2	15.2	17.1	21.3	23.9	28.3	34.4	32.6
11 Cushman 2	88.0	88.0	0	0	0	4.94	88.0	76.1	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	33.2
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5028	4947	4404	3750	4042	4015	4040	4607	4567	4167	4051	4259	4849	5128
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	293	292	290	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	565	565	672	627	610	672	596	681	662	654	639	629	635	515
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	171	166	165	165	165	172	178	180
22 La Grande	62.9	63.3	63.6	63.3	63.6	63.6	63.0	63.3	63.0	62.9	63.6	63.2	63.0	62.9
23 Libby	372	372	462	517	567	583	502	530	470	416	415	459	464	472
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	787	771	840	807	873	864	856	766	742	848	847	769
26 Long Lake	72.0	72.0	72.0	72.0	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	0	0	0	0	63.5	49.7	49.7	-38.6	-40.3	60.7	69.4	70.6
28 Lower Granite	580	580	718	735	740	857	796	856	857	776	756	867	756	778
29 Lower Monumental	645	645	690	701	771	870	878	878	853	808	831	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	125	125
31 McNary	884	884	830	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	147	130	113	128	128	113	113	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	149	157	196	236	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	339	438	440	428	440	432	432	432	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

Regional: Regulated Hydro
Operating Year 2024 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.9	10.5	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	560	567	557	530	515	542	572	581	593	593	593	565	547	562
46 Rocky Reach	1308	1306	1161	1124	1199	1244	1204	1196	1196	1196	1304	1307	1312	1307
47 Ross	0	331	392	343	295	398	355	278	183	187	189	197	366	445
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	261	206	0.21	168	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	63.9	64.0	0.09	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1717	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.1	79.6	85.2
53 Upper Baker	103	103	103	94.4	0	85.7	83.3	83.0	48.6	41.3	0	101	103	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	846	840	836	836	889	843	836	836	836	836	836	843	856	846
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	129	133	130	116	102	94.0	94.0	106	106	0	133	132
Total Regulated Hydro														
58 Federal Entities	16583	16500	16176	15420	16260	16502	16463	17148	16727	16020	15802	16595	17005	16997
59 Investor Owned Utilities	4113	4043	3929	3926	3754	4046	4200	4075	4120	3972	3797	4244	4381	4404
60 Marketer	818	793	736	720	739	767	793	794	786	764	789	780	799	811
61 Municipality	1834	2182	2275	2241	2137	2098	2196	1956	1784	1856	1829	1881	2431	2357
62 Public Utility District	2643	2642	2506	2524	2516	2582	2571	2560	2486	2500	2495	2588	2656	2633
63 Total Regulated Hydro	25991	26160	25623	24832	25406	25995	26223	26532	25904	25112	24712	26088	27272	27201

Regional: Regulated Hydro
Operating Year 2025 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	39.0	39.0	37.4	37.1	25.0	22.3	21.8	23.3	23.4	25.3	30.2	35.9	46.0	46.9
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	28.0	28.0	30.3	0	46.6	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	909	676
5 Box Canyon Dam	76.9	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	98.0	89.4	86.6	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	48.3	67.1	66.4	65.9	65.4	64.3	63.8	63.6	4.00	4.00	66.5	68.1
9 Chief Joseph	2222	2222	1940	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	21.4	16.8	13.3	9.89	8.38	17.2	17.2	15.2	17.1	21.3	23.9	28.3	34.4	32.6
11 Cushman 2	88.0	88.0	0	0	0	4.94	88.0	76.1	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	33.2
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5028	4947	4404	3750	4042	4015	4040	4607	4567	4167	4051	4259	4849	5128
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	293	292	290	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	565	565	672	627	610	672	596	681	662	654	639	629	635	515
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	171	166	165	165	165	172	178	180
22 La Grande	62.9	63.3	63.6	63.3	63.6	63.6	63.0	63.3	63.0	62.9	63.6	63.2	63.0	62.9
23 Libby	372	372	462	517	567	583	502	530	470	416	415	459	464	472
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	787	771	840	807	873	864	856	766	742	848	847	769
26 Long Lake	72.0	72.0	72.0	72.0	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	0	0	0	0	63.5	49.7	49.7	-38.6	-40.3	60.7	69.4	70.6
28 Lower Granite	580	580	718	735	740	857	796	856	857	776	756	867	756	778
29 Lower Monumental	645	645	690	701	771	870	878	878	853	808	831	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	125	125
31 McNary	884	884	830	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	147	130	113	128	128	113	113	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	149	157	196	236	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	339	438	440	428	440	432	432	432	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

Regional: Regulated Hydro
Operating Year 2025 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.9	10.5	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	560	567	557	530	515	542	572	581	593	593	593	565	547	562
46 Rocky Reach	1308	1306	1161	1124	1199	1244	1204	1196	1196	1196	1304	1307	1312	1307
47 Ross	0	331	392	343	295	398	355	278	183	187	189	197	366	445
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	261	206	0.21	168	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	63.9	64.0	0.09	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1717	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.1	79.6	85.2
53 Upper Baker	103	103	103	94.4	0	85.7	83.3	83.0	48.6	41.3	0	101	103	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	846	840	836	836	889	843	836	836	836	836	836	843	856	846
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	129	133	130	116	102	94.0	94.0	106	106	0	133	132
Total Regulated Hydro														
58 Federal Entities	16583	16500	16176	15420	16260	16502	16463	17148	16727	16020	15802	16595	17005	16997
59 Investor Owned Utilities	4113	4043	3929	3926	3754	4046	4200	4075	4120	3972	3797	4244	4381	4404
60 Marketer	818	793	736	720	739	767	793	794	786	764	789	780	799	811
61 Municipality	1834	2182	2275	2241	2137	2098	2196	1956	1784	1856	1829	1881	2431	2357
62 Public Utility District	2643	2642	2506	2524	2516	2582	2571	2560	2486	2500	2495	2588	2656	2633
63 Total Regulated Hydro	25991	26160	25623	24832	25406	25995	26223	26532	25904	25112	24712	26088	27272	27201

Regional: Regulated Hydro
Operating Year 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	39.0	39.0	37.4	37.1	25.0	22.3	21.8	23.3	23.4	25.3	30.2	35.9	46.0	46.9
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	28.0	28.0	30.3	0	46.6	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	909	676
5 Box Canyon Dam	76.9	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	98.0	89.4	86.6	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	48.3	67.1	66.4	65.9	65.4	64.3	63.8	63.6	4.00	4.00	66.5	68.1
9 Chief Joseph	2222	2222	1940	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	21.4	16.8	13.3	9.89	8.38	17.2	17.2	15.2	17.1	21.3	23.9	28.3	34.4	32.6
11 Cushman 2	88.0	88.0	0	0	0	4.94	88.0	76.1	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5028	4947	4404	3750	4042	4015	4040	4607	4567	4167	4051	4259	4849	5128
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	293	292	290	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	565	565	672	627	610	672	596	681	662	654	639	629	635	515
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	171	166	165	165	165	172	178	180
22 La Grande	62.9	63.3	63.6	63.3	63.6	63.6	63.0	63.3	63.0	62.9	63.6	63.2	63.0	62.9
23 Libby	372	372	462	517	567	583	502	530	470	416	415	459	464	472
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	787	771	840	807	873	864	856	766	742	848	847	769
26 Long Lake	72.0	72.0	72.0	72.0	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	0	0	0	0	63.5	49.7	49.7	-38.6	-40.3	60.7	69.4	70.6
28 Lower Granite	580	580	718	735	740	857	796	856	857	776	756	867	756	778
29 Lower Monumental	645	645	690	701	771	870	878	878	853	808	831	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	125	125
31 McNary	884	884	830	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	147	130	113	128	128	113	113	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	149	157	196	236	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	339	438	440	428	440	432	432	432	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

Regional: Regulated Hydro
Operating Year 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.9	10.5	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	560	567	557	530	515	542	572	581	593	593	593	565	547	562
46 Rocky Reach	1308	1306	1161	1124	1199	1244	1204	1196	1196	1196	1304	1307	1312	1307
47 Ross	0	331	392	343	295	398	355	278	183	187	189	197	366	445
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	261	206	0.21	168	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	63.9	64.0	0.09	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1717	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.1	79.6	85.2
53 Upper Baker	103	103	103	94.4	0	85.7	83.3	83.0	48.6	41.3	0	101	103	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	846	840	836	836	889	843	836	836	836	836	836	843	856	846
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	129	133	130	116	102	94.0	94.0	106	106	0	133	132
Total Regulated Hydro														
58 Federal Entities	16583	16500	16176	15420	16260	16502	16463	17148	16727	16020	15802	16595	17005	16997
59 Investor Owned Utilities	4113	4043	3929	3926	3754	4046	4200	4075	4120	3972	3797	4244	4381	4367
60 Marketer	818	793	736	720	739	767	793	794	786	764	789	780	799	811
61 Municipality	1834	2182	2275	2241	2137	2098	2196	1956	1784	1856	1829	1881	2431	2357
62 Public Utility District	2643	2642	2506	2524	2516	2582	2571	2560	2486	2500	2495	2588	2656	2633
63 Total Regulated Hydro	25991	26160	25623	24832	25406	25995	26223	26532	25904	25112	24712	26088	27272	27164

Regional: Regulated Hydro
Operating Year 2027 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	39.0	39.0	37.4	37.1	25.0	22.3	21.8	23.3	23.4	25.3	30.2	35.9	46.0	46.9
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	28.0	28.0	30.3	0	46.6	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	909	676
5 Box Canyon Dam	76.9	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	98.0	89.4	86.6	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	48.3	67.1	66.4	65.9	65.4	64.3	63.8	63.6	4.00	4.00	66.5	68.1
9 Chief Joseph	2222	2222	1940	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	21.4	16.8	13.3	9.89	8.38	17.2	17.2	15.2	17.1	21.3	23.9	28.3	34.4	32.6
11 Cushman 2	88.0	88.0	0	0	0	4.94	88.0	76.1	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	33.2
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5028	4947	4404	3750	4042	4015	4040	4607	4567	4167	4051	4259	4849	5128
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	293	292	290	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	565	565	672	627	610	672	596	681	662	654	639	629	635	515
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	171	166	165	165	165	172	178	180
22 La Grande	62.9	63.3	63.6	63.3	63.6	63.6	63.0	63.3	63.0	62.9	63.6	63.2	63.0	62.9
23 Libby	372	372	462	517	567	583	502	530	470	416	415	459	464	472
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	787	771	840	807	873	864	856	766	742	848	847	769
26 Long Lake	72.0	72.0	72.0	72.0	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	0	0	0	0	63.5	49.7	49.7	-38.6	-40.3	60.7	69.4	70.6
28 Lower Granite	580	580	718	735	740	857	796	856	857	776	756	867	756	778
29 Lower Monumental	645	645	690	701	771	870	878	878	853	808	831	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	125	125
31 McNary	884	884	830	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	147	130	113	128	128	113	113	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	149	157	196	236	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	339	438	440	428	440	432	432	432	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

Regional: Regulated Hydro
Operating Year 2027 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.9	10.5	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	560	567	557	530	515	542	572	581	593	593	593	565	547	562
46 Rocky Reach	1308	1306	1161	1124	1199	1244	1204	1196	1196	1196	1304	1307	1312	1307
47 Ross	0	331	392	343	295	398	355	278	183	187	189	197	366	445
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	261	206	0.21	168	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	63.9	64.0	0.09	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1717	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.1	79.6	85.2
53 Upper Baker	103	103	103	94.4	0	85.7	83.3	83.0	48.6	41.3	0	101	103	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	846	840	836	836	889	843	836	836	836	836	836	843	856	846
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	129	133	130	116	102	94.0	94.0	106	106	0	133	132
Total Regulated Hydro														
58 Federal Entities	16583	16500	16176	15420	16260	16502	16463	17148	16727	16020	15802	16595	17005	16997
59 Investor Owned Utilities	4113	4043	3929	3926	3754	4046	4200	4075	4120	3972	3797	4244	4381	4404
60 Marketer	818	793	736	720	739	767	793	794	786	764	789	780	799	811
61 Municipality	1834	2182	2275	2241	2137	2098	2196	1956	1784	1856	1829	1881	2431	2357
62 Public Utility District	2643	2642	2506	2524	2516	2582	2571	2560	2486	2500	2495	2588	2656	2633
63 Total Regulated Hydro	25991	26160	25623	24832	25406	25995	26223	26532	25904	25112	24712	26088	27272	27201

Regional: Regulated Hydro
Operating Year 2028 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	39.0	39.0	37.4	37.1	25.0	22.3	21.8	23.3	23.4	25.3	30.2	35.9	46.0	46.9
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	28.0	28.0	30.3	0	46.6	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	909	676
5 Box Canyon Dam	76.9	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	98.0	89.4	86.6	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	48.3	67.1	66.4	65.9	65.4	64.3	63.8	63.6	4.00	4.00	66.5	68.1
9 Chief Joseph	2222	2222	1940	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	21.4	16.8	13.3	9.89	8.38	17.2	17.2	15.2	17.1	21.3	23.9	28.3	34.4	32.6
11 Cushman 2	88.0	88.0	0	0	0	4.94	88.0	76.1	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	-3.91
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5028	4947	4404	3750	4042	4015	4040	4607	4567	4167	4051	4259	4849	5128
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	293	292	290	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	565	565	672	627	610	672	596	681	662	654	639	629	635	515
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	171	166	165	165	165	172	178	180
22 La Grande	62.9	63.3	63.6	63.3	63.6	63.6	63.0	63.3	63.0	62.9	63.6	63.2	63.0	62.9
23 Libby	372	372	462	517	567	583	502	530	470	416	415	459	464	472
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	787	771	840	807	873	864	856	766	742	848	847	769
26 Long Lake	72.0	72.0	72.0	72.0	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	0	0	0	0	63.5	49.7	49.7	-38.6	-40.3	60.7	69.4	70.6
28 Lower Granite	580	580	718	735	740	857	796	856	857	776	756	867	756	778
29 Lower Monumental	645	645	690	701	771	870	878	878	853	808	831	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	125	125
31 McNary	884	884	830	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	147	130	113	128	128	113	113	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	149	157	196	236	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	339	438	440	428	440	432	432	432	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

Regional: Regulated Hydro
Operating Year 2028 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.9	10.5	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	560	567	557	530	515	542	572	581	593	593	593	565	547	562
46 Rocky Reach	1308	1306	1161	1124	1199	1244	1204	1196	1196	1196	1304	1307	1312	1307
47 Ross	0	331	392	343	295	398	355	278	183	187	189	197	366	445
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	261	206	0.21	168	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	63.9	64.0	0.09	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1717	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.1	79.6	85.2
53 Upper Baker	103	103	103	94.4	0	85.7	83.3	83.0	48.6	41.3	0	101	103	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	846	840	836	836	889	843	836	836	836	836	836	843	856	846
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	129	133	130	116	102	94.0	94.0	106	106	0	133	132
Total Regulated Hydro														
58 Federal Entities	16583	16500	16176	15420	16260	16502	16463	17148	16727	16020	15802	16595	17005	16997
59 Investor Owned Utilities	4113	4043	3929	3926	3754	4046	4200	4075	4120	3972	3797	4244	4381	4367
60 Marketer	818	793	736	720	739	767	793	794	786	764	789	780	799	811
61 Municipality	1834	2182	2275	2241	2137	2098	2196	1956	1784	1856	1829	1881	2431	2357
62 Public Utility District	2643	2642	2506	2524	2516	2582	2571	2560	2486	2500	2495	2588	2656	2633
63 Total Regulated Hydro	25991	26160	25623	24832	25406	25995	26223	26532	25904	25112	24712	26088	27272	27164

Regional: Regulated Hydro
Operating Year 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	39.0	39.0	37.4	37.1	25.0	22.3	21.8	23.3	23.4	25.3	30.2	35.9	46.0	46.9
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	28.0	28.0	30.3	0	46.6	51.4	48.7
3 Bonneville	838	838	855	854	848	885	897	901	848	803	803	824	786	795
4 Boundary	676	676	845	845	845	676	717	721	721	845	717	1004	909	676
5 Box Canyon Dam	76.9	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	98.0	89.4	86.6	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	221	186	186	206	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	48.3	67.1	66.4	65.9	65.4	64.3	63.8	63.6	4.00	4.00	66.5	68.1
9 Chief Joseph	2222	2222	1940	2142	2189	2167	2155	2195	2014	2119	2119	2234	2224	2234
10 Cushman 1	21.4	16.8	13.3	9.89	8.38	17.2	17.2	15.2	17.1	21.3	23.9	28.3	34.4	32.6
11 Cushman 2	88.0	88.0	0	0	0	4.94	88.0	76.1	3.63	1.98	1.98	1.32	0.99	88.0
12 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
13 Dworshak	448	447	387	375	439	311	384	436	435	440	445	447	449	449
14 Faraday	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	35.2	14.6	33.2
15 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
16 Grand Coulee	5028	4947	4404	3750	4042	4015	4040	4607	4567	4167	4051	4259	4849	5128
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	293	292	290	382	361	371	272	260	264	296	221	272	319	293
19 Ice Harbor	565	565	672	627	610	672	596	681	662	654	639	629	635	515
20 John Day	2216	2216	2282	2081	2285	2285	2268	2266	2268	2129	2129	2172	2267	2129
21 Kerr	179	179	179	178	177	175	171	166	165	165	165	172	178	180
22 La Grande	62.9	63.3	63.6	63.3	63.6	63.6	63.0	63.3	63.0	62.9	63.6	63.2	63.0	62.9
23 Libby	372	372	462	517	567	583	502	530	470	416	415	459	464	472
24 Little Falls	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	25.0	24.5	26.7	27.0
25 Little Goose	732	732	787	771	840	807	873	864	856	766	742	848	847	769
26 Long Lake	72.0	72.0	72.0	72.0	72.2	72.5	68.6	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	0	0	0	0	63.5	49.7	49.7	-38.6	-40.3	60.7	69.4	70.6
28 Lower Granite	580	580	718	735	740	857	796	856	857	776	756	867	756	778
29 Lower Monumental	645	645	690	701	771	870	878	878	853	808	831	860	775	751
30 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	125	125
31 McNary	884	884	830	791	818	872	901	900	894	874	874	888	827	892
32 Merwin	147	146	147	130	113	128	128	113	113	113	124	124	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	149	157	196	236	0	378	378
35 Nine Mile	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	14.7	12.2	11.8	14.3	15.8
36 North Fork	28.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	43.8	35.8
37 Noxon Rapids	331	331	339	438	440	428	440	432	432	432	440	528	528	543
38 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	123	123	123	123	123	123	123	123	123	123	123	123	106	103

Regional: Regulated Hydro
Operating Year 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Pelton Rereq	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	12.9	10.5	10.9	11.3
42 Post Falls	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.7	11.3	11.3	15.7	15.9
43 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
44 River Mill	16.0	15.6	15.4	17.8	18.6	18.6	18.6	18.6	18.6	18.6	18.6	16.5	13.0	16.0
45 Rock Island	560	567	557	530	515	542	572	581	593	593	593	565	547	562
46 Rocky Reach	1308	1306	1161	1124	1199	1244	1204	1196	1196	1196	1304	1307	1312	1307
47 Ross	0	331	392	343	295	398	355	278	183	187	189	197	366	445
48 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
49 Swift 1	263	263	261	206	0.21	168	162	140	152	158	0.23	233	265	265
50 Swift 2	62.1	62.1	63.9	64.0	0.09	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	59.8
51 The Dalles	1722	1722	1821	1656	1725	1784	1880	1752	1717	1747	1747	1799	1762	1744
52 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.1	79.6	85.2
53 Upper Baker	103	103	103	94.4	0	85.7	83.3	83.0	48.6	41.3	0	101	103	103
54 Upper Falls	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	8.96	8.33	8.02	8.86	10.2
55 Wanapum	846	840	836	836	889	843	836	836	836	836	836	843	856	846
56 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
57 Yale	130	131	129	133	130	116	102	94.0	94.0	106	106	0	133	132
Total Regulated Hydro														
58 Federal Entities	16583	16500	16176	15420	16260	16502	16463	17148	16727	16020	15802	16595	17005	16997
59 Investor Owned Utilities	4113	4043	3789	3775	3603	3895	4049	3926	3983	3835	3654	4093	4230	4258
60 Marketer	818	793	736	720	739	767	793	794	786	764	789	780	799	811
61 Municipality	1834	2182	2275	2241	2137	2098	2196	1956	1784	1856	1829	1881	2431	2357
62 Public Utility District	2643	2642	2646	2675	2667	2732	2721	2709	2623	2638	2639	2739	2806	2779
63 Total Regulated Hydro	25991	26160	25623	24832	25406	25995	26223	26532	25904	25112	24712	26088	27272	27201

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Exhibit 27
Regional Independent Hydro

Monthly 1-Hour Capacity
Operating Year 2020 to 2029
Using 1937-Water Conditions

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Regional: Independent Hydro
Operating Year 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

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	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.48	0.73	0	0	0	0	0	0.88	0.88	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20 Detroit	115	115	115	115	115	96.0	96.0	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
29 Green Springs	7.94	7.94	6.91	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01
30 Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
31 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
32 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
33 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
34 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
35 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
36 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
37 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
38 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
39 Lake Creek (MT)	2.00	2.00	1.38	1.47	2.00	2.02	2.08	2.39	3.03	4.50	4.50	4.50	4.50	3.68
40 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

Regional: Independent Hydro
Operating Year 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2
42 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
43 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
44 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76
45 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
46 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
47 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
48 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
49 Minidoka	20.7	20.7	15.2	6.48	2.40	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7
50 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
51 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31
52 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
53 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
54 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
55 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
56 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
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
59 Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4
64 Soda 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
65 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
66 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
67 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
68 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
69 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
70 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36
71 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
72 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
73 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
74 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00
75 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
76 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
77 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
78 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70
79 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
80 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

Regional: Independent Hydro
Operating Year 2020 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Independent Hydro														
81 Cooperative	6.06	6.06	4.04	3.78	4.34	4.34	4.65	5.14	5.66	7.16	7.16	8.63	9.29	8.36
82 Federal Entities	569	560	522	472	417	311	198	225	385	613	629	815	840	605
83 Investor Owned Utilities	778	774	786	829	803	842	806	832	844	894	900	874	876	792
84 Marketer	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
85 Municipality	162	156	168	157	158	183	186	193	196	181	184	181	203	177
86 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
87 Total Independent Hydro	1664	1656	1614	1595	1512	1472	1323	1287	1565	1845	1869	2077	2139	1749

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Regional: Independent Hydro
Operating Year 2021 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

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	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.48	0.73	0	0	0	0	0	0.88	0.88	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20 Detroit	115	115	115	115	115	96.0	96.0	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
29 Green Springs	7.94	7.94	6.91	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01
30 Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
31 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
32 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
33 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
34 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
35 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
36 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
37 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
38 John Boyle	0	0	9.28	80.0	80.0	80.0	0	0	0	0	0	0	0	0
39 Lake Creek (MT)	2.00	2.00	1.38	1.47	2.00	2.02	2.08	2.39	3.03	4.50	4.50	4.50	4.50	3.68
40 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

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2
42 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
43 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
44 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76
45 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
46 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
47 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
48 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
49 Minidoka	20.7	20.7	15.2	6.48	2.40	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7
50 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
51 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31
52 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
53 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
54 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
55 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
56 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
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
59 Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4
64 Soda 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
65 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
66 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
67 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
68 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
69 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
70 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36
71 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
72 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
73 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
74 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00
75 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
76 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
77 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
78 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70
79 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
80 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

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Independent Hydro														
81 Cooperative	6.06	6.06	4.04	3.78	4.34	4.34	4.65	5.14	5.66	7.16	7.16	8.63	9.29	8.36
82 Federal Entities	569	560	522	472	417	311	198	225	385	613	629	815	840	605
83 Investor Owned Utilities	778	774	786	829	803	842	726	752	764	814	820	794	796	792
84 Marketer	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
85 Municipality	162	156	168	157	158	183	186	193	196	181	184	181	203	177
86 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
87 Total Independent Hydro	1664	1656	1614	1595	1512	1472	1243	1207	1485	1765	1789	1997	2059	1749

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Regional: Independent Hydro
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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	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.48	0.73	0	0	0	0	0	0.88	0.88	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20 Detroit	115	115	115	115	115	96.0	96.0	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
29 Green Springs	7.94	7.94	6.91	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01
30 Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
31 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
32 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
33 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
34 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
35 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
36 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
37 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
38 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Lake Creek (MT)	2.00	2.00	1.38	1.47	2.00	2.02	2.08	2.39	3.03	4.50	4.50	4.50	4.50	3.68
40 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

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2
42 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
43 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
44 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76
45 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
46 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
47 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
48 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
49 Minidoka	20.7	20.7	15.2	6.48	2.40	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7
50 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
51 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31
52 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
53 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
54 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
55 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
56 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
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
59 Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4
64 Soda 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
65 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
66 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
67 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
68 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
69 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
70 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36
71 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
72 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
73 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
74 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00
75 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
76 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
77 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
78 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70
79 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
80 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

Regional: Independent Hydro
Operating Year 2022 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Independent Hydro														
81 Cooperative	6.06	6.06	4.04	3.78	4.34	4.34	4.65	5.14	5.66	7.16	7.16	8.63	9.29	8.36
82 Federal Entities	569	560	522	472	417	311	198	225	385	613	629	815	840	605
83 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
84 Marketer	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
85 Municipality	162	156	168	157	158	183	186	193	196	181	184	181	203	177
86 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
87 Total Independent Hydro	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749

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Regional: Independent Hydro
Operating Year 2023 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

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	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.48	0.73	0	0	0	0	0	0.88	0.88	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20 Detroit	115	115	115	115	115	96.0	96.0	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
29 Green Springs	7.94	7.94	6.91	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01
30 Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
31 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
32 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
33 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
34 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
35 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
36 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
37 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
38 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Lake Creek (MT)	2.00	2.00	1.38	1.47	2.00	2.02	2.08	2.39	3.03	4.50	4.50	4.50	4.50	3.68
40 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

Regional: Independent Hydro
Operating Year 2023 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2
42 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
43 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
44 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76
45 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
46 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
47 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
48 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
49 Minidoka	20.7	20.7	15.2	6.48	2.40	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7
50 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
51 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31
52 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
53 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
54 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
55 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
56 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
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
59 Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4
64 Soda 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
65 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
66 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
67 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
68 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
69 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
70 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36
71 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
72 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
73 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
74 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00
75 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
76 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
77 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
78 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70
79 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
80 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

Regional: Independent Hydro
Operating Year 2023 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Independent Hydro														
81 Cooperative	6.06	6.06	4.04	3.78	4.34	4.34	4.65	5.14	5.66	7.16	7.16	8.63	9.29	8.36
82 Federal Entities	569	560	522	472	417	311	198	225	385	613	629	815	840	605
83 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
84 Marketer	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
85 Municipality	162	156	168	157	158	183	186	193	196	181	184	181	203	177
86 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
87 Total Independent Hydro	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749

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Regional: Independent Hydro
Operating Year 2024 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

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	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.48	0.73	0	0	0	0	0	0.88	0.88	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20 Detroit	115	115	115	115	115	96.0	96.0	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
29 Green Springs	7.94	7.94	6.91	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01
30 Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
31 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
32 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
33 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
34 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
35 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
36 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
37 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
38 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Lake Creek (MT)	2.00	2.00	1.38	1.47	2.00	2.02	2.08	2.39	3.03	4.50	4.50	4.50	4.50	3.68
40 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

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2
42 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
43 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
44 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76
45 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
46 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
47 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
48 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
49 Minidoka	20.7	20.7	15.2	6.48	2.40	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7
50 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
51 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31
52 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
53 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
54 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
55 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
56 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
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
59 Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4
64 Soda 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
65 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
66 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
67 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
68 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
69 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
70 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36
71 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
72 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
73 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
74 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00
75 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
76 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
77 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
78 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70
79 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
80 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

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Independent Hydro														
81 Cooperative	6.06	6.06	4.04	3.78	4.34	4.34	4.65	5.14	5.66	7.16	7.16	8.63	9.29	8.36
82 Federal Entities	569	560	522	472	417	311	198	225	385	613	629	815	840	605
83 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
84 Marketer	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
85 Municipality	162	156	168	157	158	183	186	193	196	181	184	181	203	177
86 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
87 Total Independent Hydro	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749

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Regional: Independent Hydro
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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	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.48	0.73	0	0	0	0	0	0.88	0.88	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20 Detroit	115	115	115	115	115	96.0	96.0	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
29 Green Springs	7.94	7.94	6.91	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01
30 Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
31 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
32 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
33 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
34 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
35 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
36 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
37 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
38 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Lake Creek (MT)	2.00	2.00	1.38	1.47	2.00	2.02	2.08	2.39	3.03	4.50	4.50	4.50	4.50	3.68
40 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

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2
42 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
43 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
44 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76
45 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
46 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
47 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
48 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
49 Minidoka	20.7	20.7	15.2	6.48	2.40	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7
50 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
51 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31
52 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
53 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
54 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
55 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
56 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
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
59 Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4
64 Soda 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
65 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
66 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
67 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
68 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
69 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
70 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36
71 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
72 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
73 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
74 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00
75 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
76 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
77 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
78 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70
79 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
80 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

Regional: Independent Hydro
Operating Year 2025 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Independent Hydro														
81 Cooperative	6.06	6.06	4.04	3.78	4.34	4.34	4.65	5.14	5.66	7.16	7.16	8.63	9.29	8.36
82 Federal Entities	569	560	522	472	417	311	198	225	385	613	629	815	840	605
83 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
84 Marketer	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
85 Municipality	162	156	168	157	158	183	186	193	196	181	184	181	203	177
86 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
87 Total Independent Hydro	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749

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Regional: Independent Hydro
Operating Year 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

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	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.48	0.73	0	0	0	0	0	0.88	0.88	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20 Detroit	115	115	115	115	115	96.0	96.0	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
29 Green Springs	7.94	7.94	6.91	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01
30 Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
31 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
32 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
33 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
34 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
35 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
36 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
37 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
38 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Lake Creek (MT)	2.00	2.00	1.38	1.47	2.00	2.02	2.08	2.39	3.03	4.50	4.50	4.50	4.50	3.68
40 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

Regional: Independent Hydro
Operating Year 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2
42 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
43 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
44 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76
45 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
46 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
47 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
48 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
49 Minidoka	20.7	20.7	15.2	6.48	2.40	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7
50 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
51 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31
52 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
53 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
54 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
55 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
56 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
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
59 Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4
64 Soda 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
65 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
66 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
67 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
68 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
69 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
70 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36
71 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
72 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
73 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
74 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00
75 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
76 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
77 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
78 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70
79 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
80 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

Regional: Independent Hydro
Operating Year 2026 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Independent Hydro														
81 Cooperative	6.06	6.06	4.04	3.78	4.34	4.34	4.65	5.14	5.66	7.16	7.16	8.63	9.29	8.36
82 Federal Entities	569	560	522	472	417	311	198	225	385	613	629	815	840	605
83 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
84 Marketer	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
85 Municipality	162	156	168	157	158	183	186	193	196	181	184	181	203	177
86 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
87 Total Independent Hydro	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749

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Regional: Independent Hydro
Operating Year 2027 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

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	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.48	0.73	0	0	0	0	0	0.88	0.88	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20 Detroit	115	115	115	115	115	96.0	96.0	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
29 Green Springs	7.94	7.94	6.91	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01
30 Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
31 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
32 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
33 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
34 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
35 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
36 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
37 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
38 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Lake Creek (MT)	2.00	2.00	1.38	1.47	2.00	2.02	2.08	2.39	3.03	4.50	4.50	4.50	4.50	3.68
40 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

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2
42 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
43 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
44 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76
45 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
46 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
47 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
48 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
49 Minidoka	20.7	20.7	15.2	6.48	2.40	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7
50 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
51 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31
52 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
53 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
54 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
55 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
56 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
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
59 Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4
64 Soda 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
65 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
66 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
67 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
68 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
69 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
70 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36
71 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
72 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
73 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
74 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00
75 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
76 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
77 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
78 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70
79 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
80 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

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Independent Hydro														
81 Cooperative	6.06	6.06	4.04	3.78	4.34	4.34	4.65	5.14	5.66	7.16	7.16	8.63	9.29	8.36
82 Federal Entities	569	560	522	472	417	311	198	225	385	613	629	815	840	605
83 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
84 Marketer	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
85 Municipality	162	156	168	157	158	183	186	193	196	181	184	181	203	177
86 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
87 Total Independent Hydro	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749

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Regional: Independent Hydro
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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	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.48	0.73	0	0	0	0	0	0.88	0.88	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20 Detroit	115	115	115	115	115	96.0	96.0	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
29 Green Springs	7.94	7.94	6.91	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01
30 Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
31 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
32 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
33 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
34 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
35 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
36 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
37 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
38 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Lake Creek (MT)	2.00	2.00	1.38	1.47	2.00	2.02	2.08	2.39	3.03	4.50	4.50	4.50	4.50	3.68
40 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

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2
42 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
43 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
44 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76
45 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
46 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
47 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
48 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
49 Minidoka	20.7	20.7	15.2	6.48	2.40	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7
50 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
51 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31
52 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
53 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
54 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
55 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
56 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
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
59 Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4
64 Soda 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
65 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
66 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
67 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
68 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
69 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
70 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36
71 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
72 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
73 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
74 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00
75 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
76 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
77 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
78 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70
79 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
80 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

Regional: Independent Hydro
Operating Year 2028 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Independent Hydro														
81 Cooperative	6.06	6.06	4.04	3.78	4.34	4.34	4.65	5.14	5.66	7.16	7.16	8.63	9.29	8.36
82 Federal Entities	569	560	522	472	417	311	198	225	385	613	629	815	840	605
83 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
84 Marketer	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
85 Municipality	162	156	168	157	158	183	186	193	196	181	184	181	203	177
86 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
87 Total Independent Hydro	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749

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Regional: Independent Hydro
Operating Year 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

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	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2
3 Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4 Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5 Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6 Big Cliff	5.84	5.84	8.70	10.8	13.0	6.45	3.86	5.84	5.84	8.70	14.5	19.9	19.6	7.07
7 Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8 Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53
9 Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10 Boise River Diversion	1.83	1.83	2.48	0.73	0	0	0	0	0	0.88	0.88	2.50	2.50	2.50
11 Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12 Carmen-Smith	108	108	108	108	108	108	108	108	108	108	108	108	108	108
13 Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97
14 Cedar Falls	3.18	1.96	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39
15 Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09
16 CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17 Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81
18 Cougar	24.2	21.6	16.2	26.7	23.3	8.71	6.40	6.19	13.0	29.0	29.0	29.0	29.0	16.7
19 Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20 Detroit	115	115	115	115	115	96.0	96.0	115	115	115	115	115	115	115
21 Dexter	5.28	6.73	8.83	12.4	15.7	3.80	3.37	4.72	4.72	11.7	12.3	16.5	16.6	5.95
22 Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23 Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2
24 Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25 Foster	5.14	5.14	6.44	6.49	7.56	13.0	4.15	9.19	20.8	22.5	23.0	23.0	23.0	6.17
26 Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27 Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28 Green Peter	15.3	15.6	19.2	19.3	19.3	93.0	7.73	0.37	93.0	93.0	93.0	93.0	93.0	9.57
29 Green Springs	7.94	7.94	6.91	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01
30 Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
31 Hills Creek	6.51	6.50	25.2	22.8	26.9	4.86	3.84	4.59	5.19	27.7	31.3	35.0	35.0	13.9
32 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
33 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
34 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
35 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
36 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
37 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
38 John Boyle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Lake Creek (MT)	2.00	2.00	1.38	1.47	2.00	2.02	2.08	2.39	3.03	4.50	4.50	4.50	4.50	3.68
40 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

Regional: Independent Hydro
Operating Year 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
41 Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2
42 Lookout Point	138	138	138	138	138	8.78	7.79	11.5	14.7	138	138	138	138	138
43 Lost Creek	43.8	38.7	23.5	37.0	19.0	18.8	18.5	13.0	13.6	14.6	15.7	56.4	56.4	46.4
44 Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76
45 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
46 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
47 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
48 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
49 Minidoka	20.7	20.7	15.2	6.48	2.40	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7
50 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
51 Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31
52 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
53 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
54 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
55 Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127
56 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
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
59 Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60 Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6
61 Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62 Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63 Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4
64 Soda 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
65 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
66 Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
67 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
68 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
69 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
70 Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36
71 Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
72 TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
73 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
74 Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00
75 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
76 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
77 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
78 Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70
79 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
80 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

Regional: Independent Hydro
Operating Year 2029 Water Year: 1937
2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Independent Hydro														
81 Cooperative	6.06	6.06	4.04	3.78	4.34	4.34	4.65	5.14	5.66	7.16	7.16	8.63	9.29	8.36
82 Federal Entities	569	560	522	472	417	311	198	225	385	613	629	815	840	605
83 Investor Owned Utilities	778	774	777	749	723	762	726	752	764	814	820	794	796	792
84 Marketer	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
85 Municipality	162	156	168	157	158	183	186	193	196	181	184	181	203	177
86 Public Utility District	147	159	134	132	129	131	128	31.3	133	139	139	163	183	163
87 Total Independent Hydro	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749

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Exhibit 28
Federal Report Surplus Deficit By Water Year
80 Water Year Federal Surplus/Deficit

Monthly 1-Hour Capacity
Operating Year 2020 to 2029
Using 1937-Water Conditions

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Federal Report Surplus Deficit By Water Year

Operating Year 2020

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	3839	3733	1127	642	837	1027	1020	1161	843	895	-1344	4063	5483	1954
2 1930 Federal Report Surplus Deficit	3016	2233	1802	705	1005	1091	53.8	1273	787	1197	-665	3971	4273	3426
3 1931 Federal Report Surplus Deficit	3439	2361	1508	720	912	1230	155	1115	860	839	-1277	3956	4284	3339
4 1932 Federal Report Surplus Deficit	3269	2369	1256	316	416	1106	1014	-646	2748	4161	5214	6270	5955	4631
5 1933 Federal Report Surplus Deficit	3703	3503	2245	694	612	2484	3008	3793	2784	2930	1225	5979	6071	5077
6 1934 Federal Report Surplus Deficit	4035	3984	1973	1553	2929	3458	3683	4296	4406	5139	5220	5966	5336	2663
7 1935 Federal Report Surplus Deficit	2396	1836	1300	588	178	1615	2952	3575	2931	1481	1767	5748	4954	4656
8 1936 Federal Report Surplus Deficit	4154	2637	1067	530	782	1076	202	421	1116	1322	4453	6314	5771	3976
9 1937 Federal Report Surplus Deficit	3172	2208	1503	725	1136	1204	-57.5	-26.3	561	1041	-1179	4093	5096	2964
10 1938 Federal Report Surplus Deficit	3050	1911	1470	629	688	1936	2644	3040	3854	4584	5247	6231	5537	4748
11 1939 Federal Report Surplus Deficit	2558	1854	1914	661	614	1012	2130	2251	1817	2262	2756	5759	4545	3593
12 1940 Federal Report Surplus Deficit	3039	2069	1752	771	1153	2013	2207	1778	3279	3492	1613	5894	4548	1939
13 1941 Federal Report Surplus Deficit	2533	1383	1450	418	1140	1821	1452	1529	1584	725	-1368	3766	4585	3115
14 1942 Federal Report Surplus Deficit	3269	2274	1758	314	1487	2815	2698	2964	860	1400	530	4887	5788	4778
15 1943 Federal Report Surplus Deficit	3686	3219	2401	793	386	1586	3179	3758	3511	5548	5361	6006	6343	5101
16 1944 Federal Report Surplus Deficit	4044	3136	1321	486	806	1043	1528	1182	443	825	-1221	4039	4294	2083
17 1945 Federal Report Surplus Deficit	3306	1866	1315	389	792	1162	490	942	758	979	-1046	5755	5840	2436
18 1946 Federal Report Surplus Deficit	2919	2145	1478	454	955	2001	2539	3123	2934	5038	5358	6188	5571	4895
19 1947 Federal Report Surplus Deficit	3955	3495	1994	426	1512	3267	3455	4089	3938	4257	2695	6204	5732	4726
20 1948 Federal Report Surplus Deficit	3752	3044	1710	3239	2735	2772	3406	4005	2963	3582	4794	6474	6255	4905
21 1949 Federal Report Surplus Deficit	4021	4091	2390	1082	1191	1865	2430	2909	3862	4396	5160	6300	5506	2605
22 1950 Federal Report Surplus Deficit	2418	1422	1361	482	680	2069	3366	4222	4284	5173	4011	6189	6016	5340
23 1951 Federal Report Surplus Deficit	4048	4084	2246	1882	2916	3388	3687	4637	4643	5294	5045	6194	5707	4985
24 1952 Federal Report Surplus Deficit	4095	3094	1777	2883	2185	2815	3328	4226	3023	5120	5374	6410	5775	4777
25 1953 Federal Report Surplus Deficit	3684	2610	1047	615	815	1077	1739	4533	2252	828	222	6053	6290	5051
26 1954 Federal Report Surplus Deficit	3957	3450	1892	1003	1507	2416	3220	4389	3630	3581	2634	6241	6106	5254
27 1955 Federal Report Surplus Deficit	4037	4174	4190	1167	2314	2335	1946	2171	452	802	-768	5724	6446	5272
28 1956 Federal Report Surplus Deficit	4019	3755	1648	1335	2656	3321	3650	4641	4676	5099	4914	6423	6368	4963
29 1957 Federal Report Surplus Deficit	4049	3930	1895	1300	1135	2556	2553	2217	3355	4960	3215	6469	6328	4335
30 1958 Federal Report Surplus Deficit	3491	2820	1794	572	948	1803	3039	3718	2784	2786	4046	6268	6067	4096
31 1959 Federal Report Surplus Deficit	3715	2527	1384	1011	2188	3134	3544	4324	3395	4541	2740	5963	5936	5038
32 1960 Federal Report Surplus Deficit	4148	4224	4456	3530	2942	2992	3015	3522	3072	5361	4763	5840	5889	4623
33 1961 Federal Report Surplus Deficit	3948	2571	1370	943	1429	2032	2877	3885	4146	4357	1644	6131	6196	4206
34 1962 Federal Report Surplus Deficit	3703	2853	1477	465	988	1992	2969	3638	1447	3288	5242	6128	5608	4201
35 1963 Federal Report Surplus Deficit	3670	3208	1213	1640	2318	3035	3017	3754	1598	1704	-391	5896	5961	4513
36 1964 Federal Report Surplus Deficit	3654	2853	2122	486	1001	2003	2393	2661	998	2943	858	6137	6239	5161
37 1965 Federal Report Surplus Deficit	4035	3998	2731	1942	2010	3347	3737	4660	4479	3091	5102	6053	5826	4789
38 1966 Federal Report Surplus Deficit	4065	3986	1327	1173	1257	2157	2826	3276	1603	3522	1729	5516	5502	4524

Federal Report Surplus Deficit By Water Year

Operating Year 2020

2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	4072	2659	1485	438	728	2569	3415	4227	3713	3227	-320	5981	5999	4956
40 1968 Federal Report Surplus Deficit	4058	3762	1988	970	1716	2158	3054	4010	3879	751	-791	5457	5809	4712
41 1969 Federal Report Surplus Deficit	4088	3541	3230	2003	2745	2807	3560	4316	3795	5036	5217	6397	6001	4790
42 1970 Federal Report Surplus Deficit	3562	2768	1681	1164	1298	1622	2980	3814	2125	1044	-594	5958	6171	4112
43 1971 Federal Report Surplus Deficit	3475	2473	1430	540	945	2115	3615	4437	4599	5027	4768	6287	6237	5069
44 1972 Federal Report Surplus Deficit	4061	4196	2232	1360	1355	2445	3596	4574	4818	5240	4119	6018	5990	5078
45 1973 Federal Report Surplus Deficit	4058	4217	2361	1248	1481	2169	2799	3315	1416	821	-1215	4059	4620	2711
46 1974 Federal Report Surplus Deficit	2940	1847	1354	519	702	2856	3837	4404	4739	5030	4803	5815	5971	5420
47 1975 Federal Report Surplus Deficit	4026	4211	2292	376	786	1721	2921	3493	3752	1883	811	6190	6071	5245
48 1976 Federal Report Surplus Deficit	4001	3868	2475	2163	2895	3533	3558	4392	4180	5180	4720	6391	5923	5069
49 1977 Federal Report Surplus Deficit	4085	4245	5028	1400	919	1122	1747	1385	431	832	-1183	3812	4290	1994
50 1978 Federal Report Surplus Deficit	3153	1846	808	127	756	2170	2723	3090	2480	5099	2540	5964	5325	4779
51 1979 Federal Report Surplus Deficit	3495	2432	3414	1455	1367	1309	2324	1772	2774	1383	1442	6162	4879	2195
52 1980 Federal Report Surplus Deficit	2931	2189	1777	695	806	928	2385	1746	739	2984	3230	6308	5965	4277
53 1981 Federal Report Surplus Deficit	2726	2162	1713	592	1420	3012	3246	4167	1817	873	-100	6023	6261	4940
54 1982 Federal Report Surplus Deficit	4120	4159	2007	848	1768	2175	3255	4662	4728	5055	3038	6148	6064	5364
55 1983 Federal Report Surplus Deficit	4161	4290	3217	2067	1814	2568	3393	4455	4577	4375	2324	6096	5815	5073
56 1984 Federal Report Surplus Deficit	4039	3782	2434	1125	3022	2771	3318	4129	4134	4114	5133	6156	6318	5004
57 1985 Federal Report Surplus Deficit	4063	3295	2411	1141	1704	2169	2540	2716	1727	3858	3952	6046	4773	2908
58 1986 Federal Report Surplus Deficit	2514	1398	1623	1486	2326	2315	3086	4226	4779	5142	4955	5874	5858	3807
59 1987 Federal Report Surplus Deficit	3252	2293	1210	320	1550	2249	2157	1522	2267	1367	758	6044	4639	1964
60 1988 Federal Report Surplus Deficit	2465	1366	1187	467	675	911	356	960	828	975	93.1	3972	4754	3800
61 1989 Federal Report Surplus Deficit	3138	2146	1428	486	969	1826	1281	105	2528	3572	5229	5942	4970	3224
62 1990 Federal Report Surplus Deficit	2452	1891	1475	705	1447	2523	2840	4020	3167	3334	4949	5908	5926	4591
63 1991 Federal Report Surplus Deficit	4150	3891	1407	440	2937	2889	3366	4066	3379	3586	1913	6037	5869	4996
64 1992 Federal Report Surplus Deficit	4134	3935	1372	484	931	910	1754	1665	1481	819	-616	5662	4301	1813
65 1993 Federal Report Surplus Deficit	2697	1602	1005	492	1028	1321	813	-110	1808	1756	-1091	6191	5597	3946
66 1994 Federal Report Surplus Deficit	3327	2729	1761	723	1227	1394	916	1523	800	928	998	5202	4471	3533
67 1995 Federal Report Surplus Deficit	3028	1779	1476	538	540	1403	2205	3217	3530	2387	-924	6022	5919	4682
68 1996 Federal Report Surplus Deficit	3317	2586	2239	2042	2968	3340	3828	4657	4671	5120	5317	6275	6062	4948
69 1997 Federal Report Surplus Deficit	4138	3944	1912	887	1569	2833	3840	4452	4779	5029	4915	6269	6241	5023
70 1998 Federal Report Surplus Deficit	4039	4185	3173	3380	2692	2215	2578	3941	2514	1480	-56.4	6214	6185	4719
71 1999 Federal Report Surplus Deficit	4044	2807	1378	633	577	2743	3531	4345	4768	3936	4445	6182	6140	5139
72 2000 Federal Report Surplus Deficit	4147	4302	2411	899	2982	3067	2942	3609	3403	4893	5228	6123	4677	4464
73 2001 Federal Report Surplus Deficit	3876	1918	1063	701	843	1077	1490	1143	571	784	-1112	3916	4283	2472
74 2002 Federal Report Surplus Deficit	3375	1843	967	101	778	1727	1099	1481	1506	3073	4555	5781	6059	4914
75 2003 Federal Report Surplus Deficit	3701	2770	1735	860	1143	1246	1300	2094	3277	2610	1413	5031	5937	3421
76 2004 Federal Report Surplus Deficit	2513	1410	1000	566	1574	2151	1696	1094	1568	2257	872	5444	5241	3423
77 2005 Federal Report Surplus Deficit	3038	2535	2556	1354	1375	2430	2510	3454	1617	744	-841	5422	5053	3901

Federal Report Surplus Deficit By Water Year

Operating Year 2020

2018 White Book Report Date: **12/1/2018** *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	3488	2025	1627	652	1578	2143	3205	4221	3103	5190	5245	6207	6096	4398
79 2007 Federal Report Surplus Deficit	2772	2110	1086	449	1523	2220	2942	2922	4254	3746	1222	6128	5422	4441
80 2008 Federal Report Surplus Deficit	3076	1775	972	747	1433	1553	1851	2005	1798	1760	-641	6124	6434	4907
Ranked Averages														
81 Bottom 10 pct	2481	1570	1414	672	1079	1802	2235	2735	2620	2669	2254	5333	5235	4041
82 Middle 80 pct	3604	2909	1858	987	1408	2122	2520	3000	2688	3016	2162	5775	5658	4177
83 Top 10 pct	4144	3923	2231	1211	1966	2314	2721	3356	3317	3805	3252	6061	5578	4416

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Federal Report Surplus Deficit By Water Year

Operating Year 2021

2018 White Book Report Date: 12/1/2018

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	3402	3091	1694	778	1274	1120	901	996	713	865	-422	3164	4679	1664
2 1930 Federal Report Surplus Deficit	2907	1939	1608	844	1462	1176	-64.9	1109	660	1189	722	3038	3543	3176
3 1931 Federal Report Surplus Deficit	3215	2071	1420	863	1373	1354	31.4	950	731	912	-674	2992	3586	3088
4 1932 Federal Report Surplus Deficit	3586	2085	1487	452	831	1210	890	-750	2740	4119	4933	5355	5217	4327
5 1933 Federal Report Surplus Deficit	3688	3139	2196	830	1023	2719	3245	3747	2717	2844	2460	4732	5669	4642
6 1934 Federal Report Surplus Deficit	4820	4581	2345	1744	3388	3662	3725	4219	4102	4560	4826	5123	4615	2395
7 1935 Federal Report Surplus Deficit	2146	1996	1078	728	525	1765	3166	3508	2893	1397	2981	4655	4100	4345
8 1936 Federal Report Surplus Deficit	4727	2267	1447	666	1218	1179	82.3	268	983	1280	4658	5732	5036	3719
9 1937 Federal Report Surplus Deficit	2723	1640	1162	863	1603	1324	-178	-165	443	995	-314	3060	4252	2707
10 1938 Federal Report Surplus Deficit	3077	1750	1667	765	1107	2124	2765	2960	3809	4631	4835	4936	4749	4417
11 1939 Federal Report Surplus Deficit	2415	1472	1941	798	1025	1084	2085	2165	1682	2083	3684	4625	3690	3347
12 1940 Federal Report Surplus Deficit	2446	1559	1303	914	1625	2225	2270	1614	3267	3361	2871	4897	3698	1649
13 1941 Federal Report Surplus Deficit	2152	1333	1438	554	1612	2001	1357	1370	1443	813	-639	2848	3735	2861
14 1942 Federal Report Surplus Deficit	3288	1770	1845	450	1966	3104	2850	2840	730	1357	1947	3306	5071	4407
15 1943 Federal Report Surplus Deficit	3977	3334	2416	934	762	1731	3463	3691	3664	5002	5084	5245	5672	4726
16 1944 Federal Report Surplus Deficit	4125	2826	1719	623	1238	1132	1405	1090	322	801	-1113	3108	3581	1804
17 1945 Federal Report Surplus Deficit	3098	1304	1344	525	1232	1285	364	783	633	955	-814	4611	5115	2169
18 1946 Federal Report Surplus Deficit	3085	1715	1520	591	1399	2196	2621	3007	2985	4895	4951	4954	4786	4520
19 1947 Federal Report Surplus Deficit	4517	3631	2135	565	1989	3687	3631	4141	3884	4173	3586	5250	5004	4373
20 1948 Federal Report Surplus Deficit	3633	2543	1965	3886	3211	3032	3752	3957	2847	3561	4770	5126	5680	4523
21 1949 Federal Report Surplus Deficit	4848	4654	2485	1232	1653	2047	2554	2777	3933	4469	4952	5541	4724	2340
22 1950 Federal Report Surplus Deficit	2021	1533	1254	619	1098	2287	3617	4036	4213	4902	4465	4840	5591	4934
23 1951 Federal Report Surplus Deficit	4843	4501	2504	2113	3386	3731	3729	4414	4229	4716	4638	4928	4944	4577
24 1952 Federal Report Surplus Deficit	4659	2672	2123	3358	2673	3076	3665	4192	2926	4994	4974	5272	5052	4441
25 1953 Federal Report Surplus Deficit	3829	2064	1141	751	1256	1177	1604	4555	2145	778	1666	5177	5746	4659
26 1954 Federal Report Surplus Deficit	4081	3250	2136	1149	1984	2650	3505	4347	3619	3394	3572	5011	5469	4797
27 1955 Federal Report Surplus Deficit	5058	5242	4022	1319	2801	2572	1915	2016	331	894	668	4539	5771	4847
28 1956 Federal Report Surplus Deficit	4771	3964	2035	1501	3137	3699	3794	4517	4217	4528	4521	5082	5714	4568
29 1957 Federal Report Surplus Deficit	4646	4279	2212	1462	1593	2786	2707	2058	3428	5048	3945	5395	5647	4066
30 1958 Federal Report Surplus Deficit	4069	1817	1545	708	1393	1974	3284	3618	2675	2587	4451	5429	5406	3841
31 1959 Federal Report Surplus Deficit	3793	2107	1614	1156	2676	3473	3758	4233	3301	4618	3685	4708	5403	4629
32 1960 Federal Report Surplus Deficit	4853	4791	4078	4427	3401	3302	3269	3564	3036	5187	4748	4760	5172	4318
33 1961 Federal Report Surplus Deficit	4435	2057	1746	1087	1904	2234	3120	3804	4061	4387	2869	5175	5523	3941
34 1962 Federal Report Surplus Deficit	3738	2517	1494	602	1438	2186	3122	3686	1324	3046	4970	5303	4831	3945
35 1963 Federal Report Surplus Deficit	4130	2934	1660	1840	2805	3332	3366	3669	1464	1606	1053	4836	5254	4211
36 1964 Federal Report Surplus Deficit	3799	2354	2343	623	1451	2202	2403	2585	879	2735	2282	5100	5771	4721
37 1965 Federal Report Surplus Deficit	4756	4501	3040	2190	2499	3700	3810	4543	4073	2799	4687	4727	5115	4449
38 1966 Federal Report Surplus Deficit	4748	4347	1720	1341	1728	2383	2947	3271	1474	3381	3001	4194	4712	4235

Federal Report Surplus Deficit By Water Year

Operating Year 2021

2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	4235	2197	1703	574	1152	2812	3690	4104	3644	3027	1168	4643	5589	4550
40 1968 Federal Report Surplus Deficit	4483	3856	2308	1122	2200	2385	3311	3957	3799	793	630	4082	5118	4386
41 1969 Federal Report Surplus Deficit	4588	4314	3376	2284	3223	3069	3745	4189	3903	4657	4748	5211	5336	4446
42 1970 Federal Report Surplus Deficit	3367	2212	1846	1317	1767	1775	3198	3748	2071	1039	826	5118	5501	3863
43 1971 Federal Report Surplus Deficit	3373	1907	1338	676	1387	2324	3708	4192	4443	4855	4592	4954	5746	4696
44 1972 Federal Report Surplus Deficit	4843	4921	2526	1527	1825	2683	3697	4216	4238	4688	4436	4694	5576	4667
45 1973 Federal Report Surplus Deficit	4893	5098	2667	1411	1957	2379	2969	3212	1281	793	-1103	3159	3772	2445
46 1974 Federal Report Surplus Deficit	3288	1279	1313	656	1118	3165	3793	4238	4134	4479	4423	4498	5547	4979
47 1975 Federal Report Surplus Deficit	4895	5086	2605	515	1217	1880	3092	3451	3743	1660	2205	4937	5594	4894
48 1976 Federal Report Surplus Deficit	4450	4024	2802	2478	3364	3725	3796	4329	4134	4719	4659	5048	5228	4634
49 1977 Federal Report Surplus Deficit	5126	5452	4321	1571	1363	1240	1669	1294	310	786	-980	2867	3595	1710
50 1978 Federal Report Surplus Deficit	3117	1552	715	255	1185	2418	2866	3014	2408	4962	3496	4699	4516	4436
51 1979 Federal Report Surplus Deficit	4209	2952	3263	1644	1840	1423	2381	1608	2656	1400	2723	5467	4031	1909
52 1980 Federal Report Surplus Deficit	2470	1459	1691	833	1247	985	2430	1583	613	2822	3952	5607	5251	4014
53 1981 Federal Report Surplus Deficit	2422	1463	1847	730	1897	3302	3537	4214	1684	849	1372	5334	5592	4536
54 1982 Federal Report Surplus Deficit	4889	4737	2314	988	2254	2388	3562	4488	4561	4899	3905	4808	5591	4970
55 1983 Federal Report Surplus Deficit	4889	5028	3461	2329	2300	2812	3745	4358	4519	4392	3391	5089	5106	4668
56 1984 Federal Report Surplus Deficit	4742	4712	2777	1275	3484	3033	3649	4123	4200	4085	4928	5393	5598	4608
57 1985 Federal Report Surplus Deficit	4562	3052	2740	1289	2187	2384	2622	2642	1593	3775	4423	5185	3925	2645
58 1986 Federal Report Surplus Deficit	2149	1509	1659	1664	2815	2550	3329	4377	4751	5198	4823	5023	5101	3559
59 1987 Federal Report Surplus Deficit	3597	1659	1467	459	2029	2474	2165	1357	2141	1427	2130	5218	3787	1655
60 1988 Federal Report Surplus Deficit	2413	1430	1264	603	1115	969	233	797	700	937	1562	3037	3904	3554
61 1989 Federal Report Surplus Deficit	3228	1948	1580	622	1417	2006	1186	-38.8	2528	3406	4947	5059	4124	2995
62 1990 Federal Report Surplus Deficit	2510	1703	1523	843	1925	2770	3007	4016	3068	3147	4788	5004	5279	4291
63 1991 Federal Report Surplus Deficit	4543	3742	1592	578	3400	3166	3578	4036	3312	3445	3030	5080	5165	4574
64 1992 Federal Report Surplus Deficit	4868	4174	1726	621	1377	968	1713	1502	1346	796	862	4479	3495	1522
65 1993 Federal Report Surplus Deficit	2700	1364	1123	630	1485	1440	684	-245	1674	1636	327	5607	4772	3791
66 1994 Federal Report Surplus Deficit	3076	2126	1589	860	1697	1535	789	1358	672	905	2393	3691	3622	3286
67 1995 Federal Report Surplus Deficit	2991	1461	1413	676	951	1533	2215	3117	3449	2217	452	5221	5226	4370
68 1996 Federal Report Surplus Deficit	3673	2175	2295	2307	3427	3681	3686	4373	4330	4803	4863	4933	5355	4541
69 1997 Federal Report Surplus Deficit	4795	4405	2267	1027	2048	3105	3834	4295	4295	4467	4533	4939	5629	4604
70 1998 Federal Report Surplus Deficit	4703	4965	3375	4098	3171	2431	2669	3905	2394	1414	1401	5623	5490	4424
71 1999 Federal Report Surplus Deficit	4754	3866	1596	769	978	2992	3723	4195	4332	3934	4634	4979	5594	4699
72 2000 Federal Report Surplus Deficit	5128	5192	2621	1040	3441	3359	3159	3518	3321	4961	4954	5219	3833	4167
73 2001 Federal Report Surplus Deficit	4351	1504	1474	838	1282	1177	1312	1130	449	761	-863	2986	3587	2190
74 2002 Federal Report Surplus Deficit	3304	1403	891	228	1212	1893	978	1316	1371	2920	4621	4719	5418	4526
75 2003 Federal Report Surplus Deficit	3235	2428	1624	1003	1606	1355	1190	1937	3185	2430	2659	3486	5228	3171
76 2004 Federal Report Surplus Deficit	2149	1522	981	704	2058	2366	1626	930	1433	2119	2241	4076	4433	3182
77 2005 Federal Report Surplus Deficit	2175	2099	2499	1531	1849	2659	2665	3365	1483	721	669	4214	4211	3654

Federal Report Surplus Deficit By Water Year

Operating Year 2021

2018 White Book Report Date: **12/1/2018** *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	3221	1684	1318	789	2059	2357	3495	4240	3005	5054	4951	5403	5475	4122
79 2007 Federal Report Surplus Deficit	2686	1462	844	585	2003	2440	3174	2796	4175	3691	2566	5424	4630	4158
80 2008 Federal Report Surplus Deficit	2559	1530	681	891	1909	1698	1801	1846	1665	1648	793	5439	5779	4527
Ranked Averages														
81 Bottom 10 pct	2202	1612	1515	900	1512	1960	2260	2569	2325	2271	2473	4165	4346	3679
82 Middle 80 pct	3819	2709	1876	1183	1909	2371	2630	2939	2681	3082	3077	4813	5018	3912
83 Top 10 pct	4968	5001	2967	1224	2089	2200	2728	2980	2426	2398	1738	4387	4595	3653

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Federal Report Surplus Deficit By Water Year

Operating Year 2022

2018 White Book Report Date: 12/1/2018

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	3200	2840	1442	438	1081	629	455	753	550	1070	-572	2501	5128	1393
2 1930 Federal Report Surplus Deficit	2638	1615	1353	496	1242	702	-317	879	505	1624	532	2589	3965	2940
3 1931 Federal Report Surplus Deficit	3006	1757	1166	513	1143	805	-243	711	563	1353	-820	2749	3768	2848
4 1932 Federal Report Surplus Deficit	3407	1775	1234	114	629	698	467	-688	2317	4080	4293	4933	5537	4241
5 1933 Federal Report Surplus Deficit	3514	2894	1989	486	816	1937	2279	3308	2292	3043	2211	3896	6117	4662
6 1934 Federal Report Surplus Deficit	4501	4419	2148	1418	2123	2914	3071	3793	3689	4146	4394	3896	5027	2121
7 1935 Federal Report Surplus Deficit	1771	1687	815	379	167	1169	2207	3061	2404	1834	2580	3712	4604	4267
8 1936 Federal Report Surplus Deficit	4523	1968	1185	326	1025	671	-151	116	786	1705	4012	5066	5387	3542
9 1937 Federal Report Surplus Deficit	2425	1290	898	516	1349	784	-411	-243	323	1200	-463	2857	4779	2444
10 1938 Federal Report Surplus Deficit	2846	1418	1418	423	909	1465	1884	2513	3275	4450	4593	4565	5159	4360
11 1939 Federal Report Surplus Deficit	2059	1104	1709	452	819	636	1436	1779	1427	2433	3274	3822	4262	3125
12 1940 Federal Report Surplus Deficit	2108	1204	1040	565	1339	1528	1484	1328	2793	3526	2501	3939	4236	1377
13 1941 Federal Report Surplus Deficit	1781	955	1184	211	1320	1353	830	1087	1192	1226	-786	2497	4241	2612
14 1942 Federal Report Surplus Deficit	3086	1438	1620	113	1605	2263	1959	2406	563	1794	1672	3180	5379	4383
15 1943 Federal Report Surplus Deficit	3794	3077	2256	584	488	1144	2457	3238	3074	4591	4761	4130	5980	4668
16 1944 Federal Report Surplus Deficit	3979	2555	1467	293	1046	649	874	773	212	1006	-1284	2477	3924	1514
17 1945 Federal Report Surplus Deficit	2890	922	1086	187	1038	739	65.3	592	492	1160	-957	3821	5434	1887
18 1946 Federal Report Surplus Deficit	2834	1368	1260	259	1201	1525	1778	2604	2594	4486	4682	4628	5193	4497
19 1947 Federal Report Surplus Deficit	4352	3438	1924	242	1663	2833	2830	3679	3289	4190	3163	4641	5338	4336
20 1948 Federal Report Surplus Deficit	3464	2268	1736	3769	2136	2205	2738	3529	2447	3614	4179	5541	5964	4501
21 1949 Federal Report Surplus Deficit	4515	4490	2317	883	1415	1397	1692	2353	3377	4309	4386	4961	5129	2065
22 1950 Federal Report Surplus Deficit	1603	1167	991	287	898	1557	2689	3651	3834	4477	3887	4275	6029	4902
23 1951 Federal Report Surplus Deficit	4534	4336	2327	1814	2186	2923	3133	3905	3816	4300	4414	4600	5304	4559
24 1952 Federal Report Surplus Deficit	4480	2404	1910	3200	1986	2245	2660	3768	2517	4585	4750	5292	5393	4388
25 1953 Federal Report Surplus Deficit	3676	1728	878	412	1061	673	1069	4151	1817	1011	1420	4117	6097	4609
26 1954 Federal Report Surplus Deficit	3936	3018	1919	799	1653	1872	2512	3917	2993	3624	3149	4544	5688	4783
27 1955 Federal Report Surplus Deficit	4520	4932	4274	971	2002	1799	1265	1700	222	1318	482	3789	6059	4839
28 1956 Federal Report Surplus Deficit	4487	3775	1805	1158	2117	2864	3102	4091	3802	4110	4286	5387	5945	4548
29 1957 Federal Report Surplus Deficit	4435	4108	2005	1118	1369	1983	1810	1747	2928	4691	3406	5567	5962	3926
30 1958 Federal Report Surplus Deficit	3920	1481	1288	369	1195	1342	2295	3153	2272	2920	3826	5230	5662	3671
31 1959 Federal Report Surplus Deficit	3631	1799	1361	806	1979	2628	2996	3822	2791	4303	3247	4016	5649	4605
32 1960 Federal Report Surplus Deficit	4597	4624	4432	4290	2136	2451	2323	2984	2572	4778	4080	3889	5489	4234
33 1961 Federal Report Surplus Deficit	4282	1719	1500	737	1596	1552	2132	3351	3453	4252	2529	4190	5764	3797
34 1962 Federal Report Surplus Deficit	3579	2240	1236	270	1233	1516	2227	3120	1079	3323	4399	4190	5223	3791
35 1963 Federal Report Surplus Deficit	3985	2690	1406	1519	2015	2479	2300	3213	1212	2042	839	3941	5544	4123
36 1964 Federal Report Surplus Deficit	3644	2066	2155	287	1246	1524	1668	2169	690	3034	1992	4268	6116	4700
37 1965 Federal Report Surplus Deficit	4517	4337	2982	1904	1904	2931	3255	4068	3658	3192	4449	4851	5435	4405
38 1966 Federal Report Surplus Deficit	4502	4188	1481	1000	1453	1656	2077	2758	1224	3555	2622	3648	5168	4130

Federal Report Surplus Deficit By Water Year

Operating Year 2022

2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	4089	1893	1455	233	957	2014	2741	3673	3090	3343	957	3995	5928	4541
40 1968 Federal Report Surplus Deficit	4323	3662	2121	773	1750	1643	2316	3522	3199	1211	462	3596	5401	4322
41 1969 Federal Report Surplus Deficit	4409	4156	3444	2022	2140	2247	3028	3764	3205	4194	4527	5246	5608	4400
42 1970 Federal Report Surplus Deficit	3165	1911	1598	969	1499	1174	2223	3305	1643	1571	676	4055	5808	3697
43 1971 Federal Report Surplus Deficit	3167	1556	1076	333	1191	1632	3189	3763	4021	4431	4171	5380	6021	4643
44 1972 Federal Report Surplus Deficit	4534	4749	2346	1185	1554	1929	3017	3824	3854	4257	3905	5171	5930	4629
45 1973 Federal Report Surplus Deficit	4553	4903	2528	1067	1642	1667	2047	2797	1047	998	-1258	2549	4286	2175
46 1974 Federal Report Surplus Deficit	3073	897	1053	311	916	2309	3261	3811	3715	4052	4185	4978	5984	4927
47 1975 Federal Report Surplus Deficit	4520	4892	2448	193	1024	1269	2155	2965	3164	2157	1904	4350	5888	4769
48 1976 Federal Report Surplus Deficit	4287	3840	2688	2230	2174	2977	2964	3903	3601	4303	4127	5359	5531	4633
49 1977 Federal Report Surplus Deficit	4548	5068	4723	1232	1165	703	960	1134	201	991	-1123	2346	3759	1418
50 1978 Federal Report Surplus Deficit	2908	1204	457	-40.0	993	1625	1974	2555	2132	4526	3024	4127	4959	4388
51 1979 Federal Report Surplus Deficit	4064	2694	3283	1315	1549	893	1616	1322	2281	1791	2414	4356	4538	1617
52 1980 Federal Report Surplus Deficit	2136	1085	1439	485	1052	575	1663	1293	466	3112	3395	4941	5542	3871
53 1981 Federal Report Surplus Deficit	2077	1098	1618	383	1572	2439	2591	3808	1405	1054	1175	4191	5871	4526
54 1982 Federal Report Surplus Deficit	4590	4575	2127	639	1780	1660	2549	4011	4057	4484	3417	4867	5894	4903
55 1983 Federal Report Surplus Deficit	4646	4856	3498	2054	1828	1998	2733	3937	4079	4253	2980	4380	5434	4629
56 1984 Federal Report Surplus Deficit	4486	4548	2641	926	2223	2209	2637	3705	3654	4090	4290	4406	5909	4577
57 1985 Federal Report Surplus Deficit	4378	2800	2601	940	1787	1684	1797	2210	1327	3849	3809	4120	4432	2379
58 1986 Federal Report Surplus Deficit	1745	1143	1409	1328	2033	1811	2341	4034	4187	4830	4145	3949	5431	3357
59 1987 Federal Report Surplus Deficit	3414	1308	1208	137	1691	1743	1461	1084	1813	1700	1953	4069	4336	1355
60 1988 Federal Report Surplus Deficit	2073	1056	1003	260	921	560	-41.5	577	540	1157	1320	2764	4443	3351
61 1989 Federal Report Surplus Deficit	3027	1627	1324	284	1216	1359	680	-135	2162	3587	4370	4010	4626	2754
62 1990 Federal Report Surplus Deficit	2218	1357	1264	496	1604	1977	2091	3542	2676	3392	4122	3794	5531	4201
63 1991 Federal Report Surplus Deficit	4381	3540	1336	247	2137	2320	2749	3601	2768	3673	2712	4057	5458	4565
64 1992 Federal Report Surplus Deficit	4611	3997	1478	287	1177	560	1079	1216	1102	1001	662	3730	3987	1251
65 1993 Federal Report Surplus Deficit	2406	1005	860	283	1266	900	303	-307	1418	2073	106	4591	5235	3519
66 1994 Federal Report Surplus Deficit	2852	1793	1329	515	1424	955	388	1083	515	1110	2075	3423	4184	3059
67 1995 Federal Report Surplus Deficit	2748	1106	1158	329	745	974	1494	2651	2890	2588	281	4115	5540	4295
68 1996 Federal Report Surplus Deficit	3498	1866	2097	2034	2162	2933	3234	3946	3912	4388	4635	4776	5661	4515
69 1997 Federal Report Surplus Deficit	4561	4245	2064	678	1706	2258	3278	3867	3875	4038	4286	5290	5879	4580
70 1998 Federal Report Surplus Deficit	4507	4788	3393	3969	2136	1719	1815	3475	2044	1853	1186	5119	5789	4384
71 1999 Federal Report Surplus Deficit	4430	3685	1338	431	757	2153	2941	3804	3954	3867	4042	4414	5889	4715
72 2000 Federal Report Surplus Deficit	4635	4996	2474	690	2175	2498	2192	3057	2808	4683	4422	4194	4337	4068
73 2001 Federal Report Surplus Deficit	4200	1145	1214	492	1088	673	836	736	317	966	-1006	2732	3752	1905
74 2002 Federal Report Surplus Deficit	3089	1028	632	-66.6	1019	1270	540	1043	1133	3145	3981	3828	5655	4508
75 2003 Federal Report Surplus Deficit	3010	2123	1370	653	1368	835	707	1608	2695	2760	2327	3281	5523	2935
76 2004 Federal Report Surplus Deficit	1745	1156	719	357	1634	1662	1043	695	1185	2493	1969	3572	4876	2949
77 2005 Federal Report Surplus Deficit	1802	1797	2357	1195	1549	1889	1767	2932	1221	926	432	3495	4707	3460

Federal Report Surplus Deficit By Water Year

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	2991	1334	1054	445	1686	1658	2520	3760	2565	4645	4408	4938	5697	3991
79 2007 Federal Report Surplus Deficit	2381	1086	590	250	1635	1718	2192	2371	3574	3793	2239	4270	5115	4036
80 2008 Federal Report Surplus Deficit	2233	1164	434	541	1591	1111	1181	1539	1399	2065	628	4433	6090	4504
Ranked Averages														
81 Bottom 10 pct	1822	1258	1273	559	1168	1330	1534	2227	1999	2422	2103	3511	4824	3503
82 Middle 80 pct	3597	2445	1671	801	1455	1653	1871	2528	2253	3049	2628	4252	5373	3810
83 Top 10 pct	4593	4658	2915	1367	1701	1724	2145	2875	2468	3153	2183	3905	4883	3407

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Federal Report Surplus Deficit By Water Year

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	2852	2788	1170	355	879	682	335	663	209	990	-864	1839	4053	1403
2 1930 Federal Report Surplus Deficit	2390	1654	1087	400	1035	761	-397	831	171	1394	218	1936	3207	2952
3 1931 Federal Report Surplus Deficit	2710	1796	902	409	942	836	-331	659	219	1183	-1098	2205	3096	2862
4 1932 Federal Report Surplus Deficit	3025	1834	971	34.7	480	743	330	-576	1906	3878	4579	4629	4469	4169
5 1933 Federal Report Surplus Deficit	3123	2856	1750	396	680	1962	1948	3030	1987	2688	2016	4150	5083	4517
6 1934 Federal Report Surplus Deficit	3689	3920	1906	1299	3040	3157	2859	3741	3493	4016	4470	4054	3886	2141
7 1935 Federal Report Surplus Deficit	1611	1738	541	281	350	1170	1875	2790	2142	1532	2424	3852	3651	4189
8 1936 Federal Report Surplus Deficit	3798	2003	913	243	825	716	-227	116	425	1451	4228	4672	4279	3528
9 1937 Federal Report Surplus Deficit	2205	1324	620	420	1166	818	-487	-202	34.2	1120	-753	2346	3809	2463
10 1938 Federal Report Surplus Deficit	2553	1456	1157	338	746	1455	1582	2295	3064	4323	4458	4538	4086	4265
11 1939 Federal Report Surplus Deficit	1886	1129	1458	362	681	709	1142	1656	1068	2118	3223	3862	3428	3132
12 1940 Federal Report Surplus Deficit	1922	1237	767	460	1185	1514	1188	1236	2480	3231	2312	3975	3370	1388
13 1941 Federal Report Surplus Deficit	1640	753	921	124	1143	1342	660	1011	822	1060	-1071	1897	3365	2628
14 1942 Federal Report Surplus Deficit	2750	1477	1373	35.5	1478	2330	1654	2155	220	1553	1395	3059	4314	4258
15 1943 Federal Report Surplus Deficit	3327	3036	2034	483	502	1166	2167	2964	2793	4459	4766	4079	4884	4571
16 1944 Federal Report Surplus Deficit	3439	2519	1195	225	852	705	652	777	-63.9	926	-1476	1816	3181	1522
17 1945 Federal Report Surplus Deficit	2593	898	818	108	831	771	-31.3	569	173	1080	-1216	3856	4360	1901
18 1946 Federal Report Surplus Deficit	2565	1403	987	187	991	1521	1598	2159	2209	4357	4598	4555	4116	4372
19 1947 Federal Report Surplus Deficit	3691	3303	1677	181	1537	3060	2624	3455	3175	4031	3142	4430	4250	4225
20 1948 Federal Report Surplus Deficit	3046	2290	1477	3615	2789	2278	2519	3246	2136	3319	4400	4710	4892	4372
21 1949 Federal Report Surplus Deficit	3687	3924	2090	773	1220	1403	1389	2107	3225	4134	4599	4588	4067	2083
22 1950 Federal Report Surplus Deficit	1373	643	711	215	740	1545	2489	3643	3627	4347	4023	4429	5019	4723
23 1951 Federal Report Surplus Deficit	3715	3862	2093	1697	2982	3160	2929	3919	3717	4170	4278	4524	4235	4419
24 1952 Federal Report Surplus Deficit	3784	2420	1653	3034	2192	2317	2444	3482	2186	4455	4621	4859	4309	4291
25 1953 Federal Report Surplus Deficit	3201	1761	598	332	853	720	832	3926	1473	931	1122	4127	5047	4489
26 1954 Federal Report Surplus Deficit	3399	2915	1673	692	1524	1878	2211	3784	2798	3366	3101	4570	4577	4655
27 1955 Federal Report Surplus Deficit	3742	4082	4209	859	2322	1819	1027	1533	-54.6	1163	161	3845	4976	4682
28 1956 Federal Report Surplus Deficit	3679	3557	1550	1042	2673	3096	2882	4061	3759	3982	4159	4665	4849	4413
29 1957 Federal Report Surplus Deficit	3689	3725	1760	1002	1165	2009	1505	1580	2611	4622	3439	4972	4838	3888
30 1958 Federal Report Surplus Deficit	3420	1519	1022	288	984	1360	1984	2890	1918	2569	3971	4763	4608	3654
31 1959 Federal Report Surplus Deficit	3192	1837	1097	700	2179	2777	2811	3756	2549	4176	3212	4186	4592	4480
32 1960 Federal Report Surplus Deficit	3808	4067	4412	4063	3053	2603	1987	2840	2252	4649	4359	3931	4410	4160
33 1961 Federal Report Surplus Deficit	3664	1752	1234	632	1453	1549	1821	3081	3386	4122	2378	4298	4669	3764
34 1962 Federal Report Surplus Deficit	3143	2264	966	199	1021	1523	1914	2868	724	2996	4627	4219	4138	3766
35 1963 Federal Report Surplus Deficit	3431	2676	1138	1400	2329	2597	2073	2944	850	1745	528	3987	4487	4053
36 1964 Federal Report Surplus Deficit	3183	2097	1922	211	1034	1519	1354	1978	350	2681	1731	4293	5084	4614
37 1965 Federal Report Surplus Deficit	3694	3853	2796	1789	2033	3176	3043	4019	3612	2794	4317	4314	4348	4298
38 1966 Federal Report Surplus Deficit	3719	3790	1207	883	1277	1652	1723	2588	867	3258	2441	3666	4070	4071

Federal Report Surplus Deficit By Water Year

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	3539	1930	1189	150	782	2043	2552	3655	2945	3035	641	4208	4862	4402
40 1968 Federal Report Surplus Deficit	3673	3473	1891	662	1709	1638	2005	3242	3101	1061	144	3613	4335	4235
41 1969 Federal Report Surplus Deficit	3721	3743	3307	1899	2806	2323	2814	3769	3235	4064	4393	4800	4522	4296
42 1970 Federal Report Surplus Deficit	2829	1947	1332	857	1329	1192	1912	3029	1258	1380	371	4045	4717	3675
43 1971 Federal Report Surplus Deficit	2825	1586	798	246	982	1622	2962	3779	3792	4302	4223	4535	4974	4506
44 1972 Federal Report Surplus Deficit	3715	4054	2112	1068	1386	1937	2834	3801	3774	4127	4046	4277	4883	4531
45 1973 Federal Report Surplus Deficit	3725	4103	2314	951	1517	1650	1740	2536	681	918	-1467	1844	3399	2194
46 1974 Federal Report Surplus Deficit	2757	904	783	222	765	2375	3007	3824	3673	3923	4051	4084	5025	4806
47 1975 Federal Report Surplus Deficit	3687	4096	2227	133	834	1274	1824	2751	2940	1840	1648	4457	4865	4738
48 1976 Federal Report Surplus Deficit	3628	3559	2475	2083	2967	3220	2762	3794	3522	4174	4303	4632	4466	4499
49 1977 Federal Report Surplus Deficit	3877	4221	4727	1114	955	738	795	949	-75.6	911	-1381	1635	3088	1425
50 1978 Federal Report Surplus Deficit	2600	1262	175	-93.1	805	1597	1671	2339	1666	4396	2954	4231	3895	4286
51 1979 Federal Report Surplus Deficit	3525	2638	3128	1196	1400	931	1321	1234	1926	1534	2218	4248	3621	1630
52 1980 Federal Report Surplus Deficit	1946	787	1173	390	845	657	1381	1204	142	2773	3437	4724	4486	3840
53 1981 Federal Report Surplus Deficit	1896	1126	1358	288	1451	2551	2420	3534	1023	975	867	4112	4775	4387
54 1982 Federal Report Surplus Deficit	3786	4044	1893	539	1777	1645	2284	4008	3762	4355	3398	4400	4857	4850
55 1983 Federal Report Surplus Deficit	3823	4162	3358	1940	1829	2018	2508	3913	3802	4072	2879	4273	4340	4510
56 1984 Federal Report Surplus Deficit	3695	3968	2427	816	3113	2262	2357	3411	3556	3873	4556	4270	4812	4446
57 1985 Federal Report Surplus Deficit	3674	2736	2387	831	1722	1675	1470	2017	972	3596	3944	4118	3547	2397
58 1986 Federal Report Surplus Deficit	1337	620	1131	1210	2346	1815	2030	3652	3793	4748	4418	3945	4371	3356
59 1987 Federal Report Surplus Deficit	3041	1343	931	75.8	1577	1738	1191	1007	1440	1437	1706	4116	3425	1368
60 1988 Federal Report Surplus Deficit	1888	744	730	172	714	642	-130	535	202	1077	1019	2204	3565	3351
61 1989 Federal Report Surplus Deficit	2718	1672	1059	204	1004	1361	521	-105	1767	3269	4602	4018	3686	2764
62 1990 Federal Report Surplus Deficit	2016	1393	985	401	1484	2027	1756	3286	2398	3066	4410	3979	4435	4132
63 1991 Federal Report Surplus Deficit	3734	3385	1065	177	3040	2419	2541	3447	2546	3422	2609	4136	4374	4443
64 1992 Federal Report Surplus Deficit	3797	3715	1213	213	965	641	852	1130	738	921	343	3764	3207	1261
65 1993 Federal Report Surplus Deficit	2182	1044	587	190	1059	935	178	-257	1059	1774	-153	4334	4114	3600
66 1994 Federal Report Surplus Deficit	2533	1797	1046	423	1258	978	257	1005	180	1030	1834	3358	3339	3069
67 1995 Federal Report Surplus Deficit	2496	1139	893	234	607	1003	1228	2393	2663	2256	-40.4	4092	4470	4215
68 1996 Federal Report Surplus Deficit	3095	1888	1859	1921	3079	3176	3020	3959	3724	4258	4504	4527	4562	4381
69 1997 Federal Report Surplus Deficit	3791	3860	1820	578	1605	2317	3059	3789	3792	3908	4155	4519	4787	4461
70 1998 Federal Report Surplus Deficit	3690	4055	3240	3809	2746	1707	1515	3190	1698	1580	872	4608	4734	4273
71 1999 Federal Report Surplus Deficit	3722	3503	1068	351	658	2206	2742	3784	3847	3625	4241	4388	4806	4560
72 2000 Federal Report Surplus Deficit	3827	4193	2261	590	3093	2615	1882	2791	2536	4617	4624	4225	3509	4007
73 2001 Federal Report Surplus Deficit	3597	1175	943	401	883	721	675	639	10.3	886	-1267	2181	3081	1924
74 2002 Federal Report Surplus Deficit	2772	1054	350	-120	823	1288	516	873	712	2789	4221	3870	4571	4372
75 2003 Federal Report Surplus Deficit	2707	2147	1103	549	1173	877	551	1436	2403	2440	2141	3199	4456	2948
76 2004 Federal Report Surplus Deficit	1337	632	439	261	1589	1650	858	645	823	2154	1726	3584	3810	2960
77 2005 Federal Report Surplus Deficit	1641	1834	2130	1077	1392	1905	1462	2665	864	846	157	3520	3687	3456

Federal Report Surplus Deficit By Water Year

Operating Year 2023

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	2696	1368	772	356	1610	1655	2190	3533	2284	4515	4619	4535	4606	3950
79 2007 Federal Report Surplus Deficit	2168	878	306	176	1515	1709	1881	2122	3516	3543	2051	4212	4013	3990
80 2008 Federal Report Surplus Deficit	2038	640	154	436	1468	1133	969	1398	1044	1757	314	4243	5006	4377
Ranked Averages														
81 Bottom 10 pct	1589	1012	1008	463	1119	1347	1298	2075	1668	2235	1990	3412	3862	3474
82 Middle 80 pct	3107	2347	1443	715	1481	1722	1671	2424	1995	2833	2447	4001	4325	3722
83 Top 10 pct	3813	3783	2575	1160	1763	1662	1642	2442	2154	3110	2826	3927	4060	3525

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Federal Report Surplus Deficit By Water Year

Operating Year 2024

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	2998	2886	1119	361	1004	541	538	657	254	1134	-922	2369	4996	1484
2 1930 Federal Report Surplus Deficit	2541	1672	1022	394	1177	615	-45.3	772	210	1423	108	2477	3964	3001
3 1931 Federal Report Surplus Deficit	2853	1824	839	393	1086	713	1.30	612	266	1263	-1143	2742	3798	2911
4 1932 Federal Report Surplus Deficit	3168	1868	909	44.5	583	608	568	-982	2035	3889	4644	5261	5409	4170
5 1933 Federal Report Surplus Deficit	3265	2954	1686	396	779	1877	2309	3265	2061	2625	1856	4693	5903	4477
6 1934 Federal Report Surplus Deficit	3799	4003	1843	1274	2999	2938	3108	3995	3801	4065	4495	4716	4839	2203
7 1935 Federal Report Surplus Deficit	1770	1772	451	271	368	1059	2225	3009	2193	1515	2295	4442	4521	4188
8 1936 Federal Report Surplus Deficit	3921	2046	831	249	949	580	138	-51.9	492	1439	4244	5365	5227	3558
9 1937 Federal Report Surplus Deficit	2359	1312	505	413	1314	692	-122	-460	42.7	1264	-809	2881	4682	2522
10 1938 Federal Report Surplus Deficit	2701	1464	1099	341	854	1360	1841	2432	3221	4374	4484	5208	5014	4257
11 1939 Federal Report Surplus Deficit	2044	1094	1403	360	780	554	1384	1700	1162	2022	3114	4447	4228	3176
12 1940 Federal Report Surplus Deficit	2079	1219	679	445	1335	1427	1423	1268	2622	3179	2178	4582	4192	1469
13 1941 Federal Report Surplus Deficit	1794	694	858	126	1292	1245	867	1023	923	1144	-1122	2435	4193	2681
14 1942 Federal Report Surplus Deficit	2896	1486	1317	46.6	1628	2252	1932	2319	267	1572	1262	3600	5238	4240
15 1943 Federal Report Surplus Deficit	3473	3154	1934	471	560	1053	2502	3181	2975	4509	4806	4734	5803	4545
16 1944 Federal Report Surplus Deficit	3577	2606	1143	245	972	561	888	678	-62.5	1070	-1517	2345	3929	1601
17 1945 Federal Report Surplus Deficit	2736	855	747	117	959	647	282	453	201	1223	-1245	4440	5302	1971
18 1946 Federal Report Surplus Deficit	2715	1394	916	204	1122	1428	1720	2527	2372	4406	4625	5188	5049	4353
19 1947 Federal Report Surplus Deficit	3820	3411	1621	209	1687	2932	2941	3645	3285	4032	3027	5066	5191	4211
20 1948 Federal Report Surplus Deficit	3188	2355	1432	3752	2874	2192	2829	3490	2251	3288	4440	5517	5767	4353
21 1949 Federal Report Surplus Deficit	3796	4003	1978	752	1366	1306	1652	2258	3372	4175	4625	5262	4999	2147
22 1950 Federal Report Surplus Deficit	1535	563	616	232	846	1459	2797	3855	3916	4397	3969	5031	5869	4720
23 1951 Federal Report Surplus Deficit	3826	3954	2015	1680	3050	3007	3192	4160	3929	4220	4304	5201	5174	4395
24 1952 Federal Report Surplus Deficit	3911	2490	1607	3106	2323	2231	2750	3730	2280	4505	4647	5666	5257	4282
25 1953 Federal Report Surplus Deficit	3340	1793	476	341	982	583	1072	4172	1559	1074	994	4757	5895	4480
26 1954 Federal Report Surplus Deficit	3535	3022	1616	675	1675	1795	2572	4038	2899	3261	2981	5194	5508	4619
27 1955 Federal Report Surplus Deficit	3815	4107	3242	837	2442	1735	1232	1625	-53.1	1230	56.9	4409	5858	4665
28 1956 Federal Report Surplus Deficit	3793	3667	1500	1017	2768	2967	3153	4323	3915	4031	4185	5473	5759	4390
29 1957 Federal Report Surplus Deficit	3811	3825	1702	977	1307	1923	1783	1667	2763	4737	3350	5780	5735	3908
30 1958 Federal Report Surplus Deficit	3557	1522	954	297	1116	1259	2315	3092	2031	2471	3921	5387	5502	3676
31 1959 Federal Report Surplus Deficit	3333	1871	1036	683	2310	2691	3070	4007	2655	4226	3099	4777	5476	4457
32 1960 Federal Report Surplus Deficit	3925	4147	3158	4258	3012	2513	2394	2928	2371	4698	4346	4524	5352	4163
33 1961 Federal Report Surplus Deficit	3795	1782	1185	616	1603	1459	2151	3301	3481	4174	2239	4931	5573	3783
34 1962 Federal Report Surplus Deficit	3283	2327	900	217	1157	1431	2242	3069	797	2891	4681	4870	5087	3790
35 1963 Federal Report Surplus Deficit	3566	2764	1080	1376	2450	2511	2387	3159	944	1716	406	4582	5412	4056
36 1964 Federal Report Surplus Deficit	3322	2150	1847	224	1171	1428	1611	2068	393	2611	1596	4893	5905	4588
37 1965 Federal Report Surplus Deficit	3814	3941	2524	1776	2171	2976	3237	4323	3771	2747	4343	5120	5293	4289
38 1966 Federal Report Surplus Deficit	3837	3886	1172	857	1426	1568	2064	2690	951	3215	2309	4224	5007	4080

Federal Report Surplus Deficit By Water Year

Operating Year 2024

2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	3673	1968	1138	155	894	1960	2852	3897	3049	2961	523	4783	5706	4380
40 1968 Federal Report Surplus Deficit	3802	3585	1812	640	1857	1554	2344	3481	3207	1136	48.2	4161	5256	4227
41 1969 Federal Report Surplus Deficit	3848	3838	2773	1896	2890	2237	3096	4019	3192	4115	4420	5606	5470	4283
42 1970 Federal Report Surplus Deficit	2975	1988	1281	835	1477	1084	2227	3260	1382	1430	247	4677	5650	3704
43 1971 Federal Report Surplus Deficit	2973	1604	719	248	1112	1534	3227	4018	4134	4352	4250	5342	5817	4501
44 1972 Federal Report Surplus Deficit	3826	4118	2035	1043	1535	1856	3118	4078	3968	4176	4034	5084	5718	4496
45 1973 Federal Report Surplus Deficit	3832	4152	2184	926	1668	1562	2028	2732	768	1062	-1512	2373	4233	2256
46 1974 Federal Report Surplus Deficit	2905	864	712	221	868	2302	3198	4065	3829	3973	4077	4889	5875	4767
47 1975 Federal Report Surplus Deficit	3790	4146	2124	162	953	1168	2147	2905	3087	1765	1514	5057	5732	4786
48 1976 Federal Report Surplus Deficit	3759	3672	2294	2091	3036	3001	3050	4049	3681	4223	4330	5439	5402	4464
49 1977 Federal Report Surplus Deficit	3893	4159	3291	1088	1086	611	939	1071	-74.2	1054	-1408	2182	3798	1505
50 1978 Federal Report Surplus Deficit	2743	1255	15.9	-55.1	922	1519	1945	2476	1859	4446	2857	4837	4832	4276
51 1979 Federal Report Surplus Deficit	3662	2735	2687	1170	1550	802	1555	1266	2040	1544	2075	4918	4470	1704
52 1980 Federal Report Surplus Deficit	2103	723	1115	384	973	489	1608	1243	174	2688	3358	5363	5389	3860
53 1981 Federal Report Surplus Deficit	2053	1095	1314	282	1602	2464	2714	3788	1120	1118	743	4784	5697	4363
54 1982 Federal Report Surplus Deficit	3898	4124	1818	529	1923	1558	2610	4266	4171	4404	3310	5205	5709	4817
55 1983 Federal Report Surplus Deficit	3928	4227	2870	1932	1975	1935	2816	4169	4194	4119	2750	4894	5291	4504
56 1984 Federal Report Surplus Deficit	3812	4045	2285	795	3111	2180	2706	3666	3698	3851	4593	4949	5723	4426
57 1985 Federal Report Surplus Deficit	3800	2834	2253	811	1871	1588	1755	2109	1068	3573	3907	4751	4377	2458
58 1986 Federal Report Surplus Deficit	1489	539	1088	1184	2468	1733	2360	3948	4340	4798	4425	4584	5297	3394
59 1987 Federal Report Surplus Deficit	3185	1330	864	104	1728	1654	1405	1016	1553	1460	1554	4764	4272	1446
60 1988 Federal Report Surplus Deficit	2045	678	654	172	842	472	203	461	244	1221	892	2741	4391	3388
61 1989 Federal Report Surplus Deficit	2861	1694	993	213	1138	1263	745	-340	1920	3204	4667	4646	4552	2823
62 1990 Federal Report Surplus Deficit	2166	1386	923	396	1635	1942	2086	3505	2511	2959	4419	4611	5365	4136
63 1991 Federal Report Surplus Deficit	3863	3497	1005	197	3020	2332	2849	3645	2648	3380	2467	4744	5318	4409
64 1992 Federal Report Surplus Deficit	3916	3821	1160	227	1099	472	1055	1162	828	1064	231	4347	3975	1342
65 1993 Federal Report Surplus Deficit	2335	1022	497	186	1200	809	437	-534	1153	1744	-291	5039	5096	3544
66 1994 Federal Report Surplus Deficit	2697	1828	987	420	1407	864	505	1018	220	1174	1700	3906	4146	3114
67 1995 Federal Report Surplus Deficit	2641	1120	827	228	707	882	1443	2565	2779	2160	-133	4738	5396	4213
68 1996 Federal Report Surplus Deficit	3238	1922	1792	1914	3038	2957	3242	4201	4026	4309	4530	5333	5500	4361
69 1997 Federal Report Surplus Deficit	3910	3956	1761	567	1755	2236	3268	4121	3989	3959	4182	5325	5694	4459
70 1998 Federal Report Surplus Deficit	3810	4116	2797	3970	2836	1620	1761	3435	1808	1571	752	5300	5653	4278
71 1999 Federal Report Surplus Deficit	3880	3611	1001	361	745	2120	3030	4059	4068	3616	4233	4975	5693	4544
72 2000 Federal Report Surplus Deficit	3939	4242	2118	578	3052	2528	2197	2999	2651	4683	4680	4856	4301	4011
73 2001 Federal Report Surplus Deficit	3728	1151	874	398	1010	584	845	640	29.9	1029	-1296	2718	3791	1991
74 2002 Federal Report Surplus Deficit	2919	1016	194	-81.7	945	1185	630	976	855	2716	4200	4465	5492	4352
75 2003 Federal Report Surplus Deficit	2855	2207	1043	533	1318	744	768	1516	2515	2322	1997	3738	5393	2996
76 2004 Federal Report Surplus Deficit	1489	552	302	254	1737	1563	1059	592	915	2072	1578	4135	4753	3009
77 2005 Federal Report Surplus Deficit	1800	1874	2021	1050	1541	1820	1741	2875	961	989	5.15	4102	4599	3491

Federal Report Surplus Deficit By Water Year

Operating Year 2024

2018 White Book Report Date: **12/1/2018** *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	2845	1356	679	356	1760	1568	2586	3722	2397	4565	4667	5195	5541	3965
79 2007 Federal Report Surplus Deficit	2322	820	127	190	1666	1623	2204	2282	3636	3509	1921	4880	4957	4000
80 2008 Federal Report Surplus Deficit	2193	559	-50.3	421	1618	1021	1171	1469	1143	1717	204	4933	5893	4359
Ranked Averages														
81 Bottom 10 pct	1746	971	924	456	1234	1238	1580	2183	1832	2270	1894	3989	4731	3506
82 Middle 80 pct	3243	2414	1353	686	1580	1587	1917	2517	2073	2797	2297	4592	5195	3689
83 Top 10 pct	3919	3632	1915	1431	2011	1757	2153	2915	2622	3609	3548	5023	5101	3892

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Federal Report Surplus Deficit By Water Year

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	3033	2914	1080	437	805	565	587	422	283	856	-939	1493	3893	1532
2 1930 Federal Report Surplus Deficit	2570	1678	984	507	944	647	-9.00	584	237	1275	104	1514	3059	3056
3 1931 Federal Report Surplus Deficit	2891	1833	800	534	850	709	38.5	416	296	1054	-1162	1807	2958	2967
4 1932 Federal Report Surplus Deficit	3203	1881	870	110	429	622	598	-907	2063	3941	4560	4443	4341	4242
5 1933 Federal Report Surplus Deficit	3301	2983	1651	491	634	1788	2127	2971	2148	2690	1875	3944	5004	4560
6 1934 Federal Report Surplus Deficit	3770	4003	1810	1461	3066	2930	3042	3725	3767	4008	4439	3860	3733	2255
7 1935 Federal Report Surplus Deficit	1784	1784	423	393	396	1035	2050	2712	2294	1429	2283	3630	3481	4260
8 1936 Federal Report Surplus Deficit	3920	2060	799	325	752	596	172	-166	527	1323	4170	4488	4145	3619
9 1937 Federal Report Surplus Deficit	2384	1307	488	527	1072	693	-88.3	-506	61.2	986	-826	1954	3644	2573
10 1938 Federal Report Surplus Deficit	2734	1466	1059	425	690	1307	1748	2178	3197	4312	4427	4395	3923	4331
11 1939 Federal Report Surplus Deficit	2061	1081	1362	459	635	598	1317	1489	1205	2032	3095	3632	3269	3232
12 1940 Federal Report Surplus Deficit	2098	1212	650	585	1090	1356	1355	1028	2630	3281	2168	3759	3210	1517
13 1941 Federal Report Surplus Deficit	1812	672	819	214	1048	1197	879	796	962	930	-1140	1486	3205	2736
14 1942 Federal Report Surplus Deficit	2931	1488	1277	108	1384	2141	1821	2028	296	1437	1254	2763	4175	4318
15 1943 Federal Report Surplus Deficit	3495	3175	1915	602	502	1033	2354	2878	2923	4452	4749	3881	4787	4622
16 1944 Federal Report Surplus Deficit	3606	2630	1104	280	782	589	854	543	-44.9	792	-1380	1469	3036	1643
17 1945 Federal Report Surplus Deficit	2774	838	711	183	754	645	319	303	225	946	-1191	3622	4229	2018
18 1946 Federal Report Surplus Deficit	2746	1390	882	249	909	1369	1763	2033	2360	4348	4567	4364	3954	4430
19 1947 Federal Report Surplus Deficit	3832	3445	1585	222	1443	2841	2829	3421	3300	4119	3016	4241	4106	4287
20 1948 Federal Report Surplus Deficit	3223	2378	1392	3632	2784	2090	2723	3198	2296	3344	4353	4625	4790	4431
21 1949 Federal Report Surplus Deficit	3764	3998	1955	910	1127	1256	1555	1970	3357	4214	4568	4402	3903	2196
22 1950 Federal Report Surplus Deficit	1542	511	592	276	686	1385	2691	3611	3701	4338	3932	4253	4909	4780
23 1951 Federal Report Surplus Deficit	3799	3961	1989	1861	2996	2938	3120	3886	3893	4163	4247	4395	4087	4470
24 1952 Federal Report Surplus Deficit	3918	2515	1570	3120	2130	2129	2647	3433	2345	4446	4590	4775	4173	4355
25 1953 Federal Report Surplus Deficit	3373	1797	462	409	775	601	1041	3907	1621	796	986	3923	4959	4542
26 1954 Federal Report Surplus Deficit	3563	3052	1578	822	1430	1710	2402	3757	2944	3398	2980	4382	4462	4729
27 1955 Federal Report Surplus Deficit	3759	4057	3387	1000	2274	1646	1210	1357	-35.5	1033	46.9	3612	4848	4736
28 1956 Federal Report Surplus Deficit	3771	3695	1460	1195	2656	2875	3077	4046	3880	3971	4128	4582	4744	4466
29 1957 Federal Report Surplus Deficit	3807	3841	1667	1153	1073	1835	1673	1399	2757	4709	3325	4887	4741	3972
30 1958 Federal Report Surplus Deficit	3589	1522	917	366	902	1217	2161	2797	2076	2522	3883	4580	4482	3744
31 1959 Federal Report Surplus Deficit	3368	1883	997	828	2117	2568	3010	3741	2684	4165	3085	3994	4477	4532
32 1960 Federal Report Surplus Deficit	3910	4142	3326	4013	3079	2394	2180	2764	2407	4641	4304	3706	4276	4230
33 1961 Federal Report Surplus Deficit	3813	1785	1144	759	1358	1394	1998	3005	3511	4212	2255	4107	4566	3848
34 1962 Federal Report Surplus Deficit	3317	2349	863	259	935	1371	2089	2795	847	2952	4610	4024	3989	3852
35 1963 Federal Report Surplus Deficit	3593	2794	1041	1564	2280	2396	2268	2863	986	1648	403	3768	4364	4126
36 1964 Federal Report Surplus Deficit	3356	2169	1817	280	948	1365	1522	1836	436	2677	1588	4100	4979	4682
37 1965 Federal Report Surplus Deficit	3791	3947	2546	1950	1963	2952	3199	3986	3733	2736	4286	4231	4237	4361
38 1966 Federal Report Surplus Deficit	3824	3904	1131	1038	1182	1488	1891	2493	999	3295	2299	3416	3909	4148

Federal Report Surplus Deficit By Water Year

Operating Year 2025

2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	3699	1981	1098	233	721	1867	2756	3633	3069	3070	515	4013	4762	4458
40 1968 Federal Report Surplus Deficit	3817	3613	1783	801	1621	1474	2185	3186	3225	940	33.8	3361	4202	4299
41 1969 Federal Report Surplus Deficit	3855	3853	2848	2053	2803	2134	3013	3744	3338	4055	4362	4716	4376	4357
42 1970 Federal Report Surplus Deficit	3010	2002	1240	999	1234	1056	2086	2965	1406	1254	252	3844	4617	3765
43 1971 Federal Report Surplus Deficit	3007	1602	688	336	902	1465	3151	3746	4098	4291	4193	4451	4881	4566
44 1972 Federal Report Surplus Deficit	3798	4094	2008	1221	1291	1768	3038	3768	3894	4119	3967	4194	4789	4566
45 1973 Federal Report Surplus Deficit	3799	4113	2173	1102	1423	1493	1909	2436	808	784	-1371	1497	3237	2308
46 1974 Federal Report Surplus Deficit	2939	848	677	317	713	2185	3155	3792	3793	3916	4020	4000	4924	4891
47 1975 Federal Report Surplus Deficit	3751	4107	2106	173	766	1136	1994	2662	3074	1752	1505	4267	4753	4803
48 1976 Federal Report Surplus Deficit	3773	3698	2292	2235	2981	2993	2966	3779	3635	4167	4273	4548	4344	4560
49 1977 Federal Report Surplus Deficit	3806	4095	3461	1270	874	614	979	728	-56.5	777	-1327	1252	2953	1547
50 1978 Federal Report Surplus Deficit	2781	1252	17.9	-64.1	738	1441	1838	2224	1826	4387	2825	4041	3737	4350
51 1979 Federal Report Surplus Deficit	3691	2762	2742	1358	1305	808	1488	1026	2086	1414	2077	4054	3457	1750
52 1980 Federal Report Surplus Deficit	2123	698	1075	496	767	548	1549	999	199	2763	3327	4537	4356	3925
53 1981 Federal Report Surplus Deficit	2072	1083	1274	394	1357	2352	2626	3505	1164	840	735	3919	4678	4443
54 1982 Federal Report Surplus Deficit	3873	4119	1789	654	1692	1487	2476	3975	4117	4344	3276	4316	4762	4936
55 1983 Federal Report Surplus Deficit	3914	4202	2933	2099	1745	1844	2708	3888	4149	4157	2743	4082	4205	4570
56 1984 Federal Report Surplus Deficit	3796	4038	2275	953	3137	2079	2553	3360	3670	3931	4527	4077	4713	4505
57 1985 Federal Report Surplus Deficit	3805	2862	2241	966	1632	1515	1635	1877	1113	3646	3857	3915	3386	2510
58 1986 Federal Report Surplus Deficit	1473	487	1048	1369	2298	1647	2207	3612	4336	4739	4374	3740	4229	3453
59 1987 Federal Report Surplus Deficit	3220	1324	829	117	1484	1575	1364	788	1600	1321	1563	3917	3263	1495
60 1988 Federal Report Surplus Deficit	2064	653	621	263	636	532	240	283	272	943	884	1802	3406	3447
61 1989 Federal Report Surplus Deficit	2900	1702	955	280	920	1215	762	-404	1925	3250	4584	3812	3518	2870
62 1990 Federal Report Surplus Deficit	2195	1383	888	506	1390	1845	1927	3244	2556	3067	4369	3774	4295	4208
63 1991 Federal Report Surplus Deficit	3877	3527	967	235	3065	2223	2745	3413	2683	3471	2471	3933	4239	4501
64 1992 Federal Report Surplus Deficit	3891	3844	1119	278	882	532	1038	922	870	786	222	3529	3055	1390
65 1993 Federal Report Surplus Deficit	2361	1013	469	292	968	810	471	-565	1193	1678	-252	4145	3961	3690
66 1994 Federal Report Surplus Deficit	2722	1832	952	522	1163	846	538	788	247	896	1690	3078	3182	3171
67 1995 Federal Report Surplus Deficit	2676	1112	789	340	561	874	1401	2267	2797	2211	-147	3891	4342	4281
68 1996 Federal Report Surplus Deficit	3273	1934	1760	2079	3105	2948	3187	3927	3991	4249	4473	4443	4451	4434
69 1997 Federal Report Surplus Deficit	3900	3974	1726	693	1512	2131	3223	3757	3912	3901	4124	4435	4686	4528
70 1998 Federal Report Surplus Deficit	3798	4084	2852	3800	2736	1547	1681	3136	1853	1473	744	4425	4636	4338
71 1999 Federal Report Surplus Deficit	3860	3643	965	427	624	2023	2947	3751	3996	3644	4180	4195	4709	4612
72 2000 Federal Report Surplus Deficit	3904	4203	2103	707	3118	2415	2055	2702	2691	4622	4610	4029	3346	4080
73 2001 Federal Report Surplus Deficit	3748	1142	838	500	807	602	873	399	51.5	751	-1257	1781	2946	2042
74 2002 Federal Report Surplus Deficit	2954	1001	195	-90.8	752	1146	763	649	839	2758	4160	3647	4462	4428
75 2003 Federal Report Surplus Deficit	2888	2221	1004	674	1080	755	789	1253	2548	2396	1997	2912	4334	3052
76 2004 Federal Report Surplus Deficit	1473	500	294	368	1501	1490	1056	400	956	2093	1582	3329	3652	3063
77 2005 Federal Report Surplus Deficit	1814	1888	2008	1235	1297	1734	1629	2578	1004	711	39.7	3280	3524	3551

Federal Report Surplus Deficit By Water Year

Operating Year 2025

2018 White Book Report Date: **12/1/2018** *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	2878	1351	655	449	1519	1496	2382	3492	2437	4508	4603	4350	4489	4032
79 2007 Federal Report Surplus Deficit	2346	798	138	243	1422	1547	2056	1992	3623	3626	1907	4018	3862	4070
80 2008 Federal Report Surplus Deficit	2215	507	-30.3	563	1374	999	1158	1210	1187	1666	200	4053	4890	4435
Ranked Averages														
81 Bottom 10 pct	1753	947	896	572	1062	1202	1509	1935	1841	2152	1881	3144	3709	3565
82 Middle 80 pct	3258	2426	1348	796	1375	1525	1843	2273	2110	2754	2290	3750	4185	3764
83 Top 10 pct	3904	3558	1818	1434	2035	1783	2096	2589	2448	3419	3404	4122	4016	3909

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Federal Report Surplus Deficit By Water Year

Operating Year 2026

2018 White Book Report Date: 12/1/2018

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	2928	2750	1020	318	901	502	677	577	412	1285	-764	2588	5075	1711
2 1930 Federal Report Surplus Deficit	2461	1569	925	351	1073	577	93.4	692	368	1574	266	2695	4043	3227
3 1931 Federal Report Surplus Deficit	2780	1716	741	350	983	674	140	532	424	1414	-985	2960	3877	3138
4 1932 Federal Report Surplus Deficit	3102	1758	811	1.68	479	569	707	-1062	2193	4040	4799	5479	5488	4396
5 1933 Federal Report Surplus Deficit	3200	2817	1577	353	675	1839	2448	3185	2219	2777	2014	4911	5980	4703
6 1934 Federal Report Surplus Deficit	3744	3875	1732	1231	2896	2899	3245	3913	3972	4230	4666	4934	4918	2430
7 1935 Federal Report Surplus Deficit	1675	1662	360	228	264	1020	2364	2929	2351	1667	2452	4660	4600	4415
8 1936 Federal Report Surplus Deficit	3867	1932	738	206	845	542	277	-132	650	1591	4401	5584	5306	3784
9 1937 Federal Report Surplus Deficit	2275	1223	419	370	1211	653	16.5	-540	201	1415	-651	3099	4761	2749
10 1938 Federal Report Surplus Deficit	2627	1366	999	298	750	1322	1980	2352	3379	4539	4654	5426	5093	4483
11 1939 Federal Report Surplus Deficit	1951	1016	1298	317	677	515	1523	1620	1320	2173	3272	4666	4307	3402
12 1940 Federal Report Surplus Deficit	1988	1132	588	402	1231	1388	1561	1188	2780	3331	2336	4801	4271	1695
13 1941 Federal Report Surplus Deficit	1696	627	760	83.1	1189	1206	1006	943	1081	1295	-965	2653	4272	2908
14 1942 Federal Report Surplus Deficit	2826	1387	1210	3.80	1524	2214	2071	2239	425	1724	1420	3819	5317	4467
15 1943 Federal Report Surplus Deficit	3415	3013	1819	428	456	1015	2641	3101	3133	4673	4977	4953	5882	4772
16 1944 Federal Report Surplus Deficit	3520	2474	1044	202	869	523	1027	598	95.5	1221	-1360	2564	4008	1828
17 1945 Federal Report Surplus Deficit	2663	780	651	74.4	856	608	421	373	359	1375	-1088	4659	5381	2198
18 1946 Federal Report Surplus Deficit	2638	1303	822	161	1019	1390	1859	2447	2530	4571	4795	5406	5128	4580
19 1947 Federal Report Surplus Deficit	3765	3269	1513	166	1584	2894	3077	3563	3443	4183	3185	5285	5270	4437
20 1948 Federal Report Surplus Deficit	3124	2231	1326	3709	2770	2153	2968	3410	2409	3440	4595	5741	5846	4579
21 1949 Federal Report Surplus Deficit	3740	3877	1864	709	1262	1267	1791	2178	3530	4324	4796	5480	5078	2374
22 1950 Federal Report Surplus Deficit	1434	449	527	189	743	1420	2933	3773	4071	4562	4126	5249	5946	4946
23 1951 Federal Report Surplus Deficit	3770	3823	1901	1637	2946	2969	3328	4093	4100	4385	4475	5419	5253	4621
24 1952 Federal Report Surplus Deficit	3857	2364	1499	3063	2219	2193	2889	3650	2438	4670	4818	5890	5336	4508
25 1953 Federal Report Surplus Deficit	3280	1686	390	298	879	545	1210	4090	1717	1226	1151	4976	5974	4706
26 1954 Federal Report Surplus Deficit	3477	2881	1508	632	1571	1757	2710	3956	3057	3412	3139	5412	5587	4845
27 1955 Federal Report Surplus Deficit	3761	3987	3137	795	2339	1697	1371	1545	105	1381	215	4627	5937	4891
28 1956 Federal Report Surplus Deficit	3738	3526	1395	974	2664	2928	3289	4240	4086	4196	4355	5697	5838	4617
29 1957 Federal Report Surplus Deficit	3756	3689	1593	935	1204	1884	1921	1587	2921	4886	3508	6004	5814	4135
30 1958 Federal Report Surplus Deficit	3499	1426	857	254	1013	1220	2454	3012	2189	2622	4079	5605	5581	3902
31 1959 Federal Report Surplus Deficit	3271	1761	937	640	2207	2653	3206	3924	2813	4390	3257	4995	5554	4683
32 1960 Federal Report Surplus Deficit	3871	4021	3071	4215	2909	2474	2533	2848	2529	4863	4503	4743	5431	4389
33 1961 Federal Report Surplus Deficit	3740	1677	1084	573	1500	1420	2290	3221	3639	4326	2396	5150	5651	4010
34 1962 Federal Report Surplus Deficit	3221	2204	804	174	1054	1392	2381	2989	955	3043	4836	5089	5166	4016
35 1963 Federal Report Surplus Deficit	3509	2630	982	1333	2346	2473	2526	3079	1102	1867	563	4801	5490	4282
36 1964 Federal Report Surplus Deficit	3261	2031	1735	181	1067	1389	1750	1988	551	2762	1754	5112	5981	4814
37 1965 Federal Report Surplus Deficit	3759	3811	2405	1733	2067	2938	3373	4256	3942	2899	4514	5344	5372	4515
38 1966 Federal Report Surplus Deficit	3783	3751	1069	815	1322	1530	2203	2610	1109	3367	2466	4443	5086	4306

Federal Report Surplus Deficit By Water Year

Operating Year 2026

2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	3617	1856	1037	113	791	1922	2988	3815	3207	3113	681	5001	5782	4606
40 1968 Federal Report Surplus Deficit	3747	3443	1700	598	1754	1516	2482	3401	3365	1287	206	4380	5335	4454
41 1969 Federal Report Surplus Deficit	3793	3704	2654	1853	2786	2198	3232	3941	3347	4279	4591	5830	5549	4510
42 1970 Federal Report Surplus Deficit	2905	1875	1180	792	1374	1045	2365	3180	1540	1581	405	4895	5729	3931
43 1971 Federal Report Surplus Deficit	2902	1504	627	205	1009	1495	3363	3951	4305	4516	4421	5566	5896	4727
44 1972 Federal Report Surplus Deficit	3770	3999	1922	1000	1431	1817	3254	4011	4139	4341	4188	5308	5794	4722
45 1973 Federal Report Surplus Deficit	3776	4035	2068	884	1564	1524	2167	2652	926	1213	-1354	2592	4312	2482
46 1974 Federal Report Surplus Deficit	2833	787	617	178	765	2264	3334	3998	4000	4138	4248	5113	5951	4994
47 1975 Federal Report Surplus Deficit	3734	4029	2009	120	849	1129	2286	2825	3245	1916	1672	5275	5809	5012
48 1976 Federal Report Surplus Deficit	3705	3532	2177	2048	2932	2963	3187	3967	3837	4388	4501	5663	5481	4691
49 1977 Federal Report Surplus Deficit	3842	3996	3218	1045	983	573	1078	991	83.8	1206	-1250	2401	3877	1731
50 1978 Federal Report Surplus Deficit	2670	1164	-64.5	-97.9	819	1481	2084	2396	2017	4611	3014	5055	4911	4502
51 1979 Federal Report Surplus Deficit	3605	2600	2567	1128	1447	763	1693	1186	2198	1696	2233	5137	4549	1931
52 1980 Federal Report Surplus Deficit	2013	658	1016	341	870	450	1747	1163	332	2840	3516	5582	5468	4086
53 1981 Federal Report Surplus Deficit	1962	1014	1208	239	1498	2426	2853	3706	1278	1269	901	5002	5776	4590
54 1982 Federal Report Surplus Deficit	3843	3997	1706	486	1820	1520	2748	4198	4342	4569	3467	5429	5786	5043
55 1983 Federal Report Surplus Deficit	3872	4107	2751	1889	1871	1897	2955	4087	4365	4271	2907	5112	5370	4731
56 1984 Federal Report Surplus Deficit	3757	3919	2169	752	3007	2142	2845	3586	3856	4002	4751	5168	5802	4652
57 1985 Federal Report Surplus Deficit	3746	2698	2137	768	1768	1550	1893	2029	1226	3725	4065	4970	4455	2684
58 1986 Federal Report Surplus Deficit	1376	425	989	1141	2364	1694	2499	3868	4496	4963	4583	4802	5376	3621
59 1987 Federal Report Surplus Deficit	3118	1241	769	61.4	1624	1615	1544	936	1711	1612	1712	4983	4351	1673
60 1988 Federal Report Surplus Deficit	1955	614	561	130	739	434	341	381	402	1372	1049	2959	4469	3615
61 1989 Federal Report Surplus Deficit	2789	1590	896	170	1035	1225	883	-420	2078	3356	4821	4865	4630	3049
62 1990 Federal Report Surplus Deficit	2079	1295	828	353	1531	1904	2225	3425	2669	3111	4577	4829	5443	4363
63 1991 Federal Report Surplus Deficit	3809	3355	908	154	2916	2293	2986	3562	2806	3532	2625	4962	5397	4635
64 1992 Federal Report Surplus Deficit	3861	3682	1059	185	996	434	1194	1082	986	1216	388	4566	4054	1569
65 1993 Federal Report Surplus Deficit	2252	938	406	143	1097	770	575	-614	1311	1896	-133	5258	5175	3770
66 1994 Federal Report Surplus Deficit	2623	1722	892	377	1304	825	644	938	378	1325	1857	4124	4225	3341
67 1995 Federal Report Surplus Deficit	2563	1034	730	185	603	843	1582	2485	2937	2311	24.4	4957	5475	4440
68 1996 Federal Report Surplus Deficit	3173	1812	1681	1871	2935	2918	3378	4133	4197	4473	4701	5557	5579	4588
69 1997 Federal Report Surplus Deficit	3856	3821	1650	524	1652	2198	3404	4054	4160	4123	4353	5549	5773	4686
70 1998 Federal Report Surplus Deficit	3756	3997	2678	3927	2732	1582	1900	3355	1966	1722	910	5518	5732	4504
71 1999 Federal Report Surplus Deficit	3826	3469	905	318	642	2082	3167	3992	4240	3768	4388	5193	5772	4770
72 2000 Federal Report Surplus Deficit	3886	4125	2003	535	2948	2490	2335	2919	2809	4847	4850	5074	4380	4237
73 2001 Federal Report Surplus Deficit	3673	1068	779	356	906	545	984	560	188	1181	-1138	2936	3870	2218
74 2002 Federal Report Surplus Deficit	2848	939	114	-125	841	1146	769	896	1013	2867	4358	4684	5571	4579
75 2003 Federal Report Surplus Deficit	2781	2087	945	490	1215	706	907	1436	2673	2474	2155	3957	5472	3222
76 2004 Federal Report Surplus Deficit	1376	437	218	212	1634	1524	1198	512	1073	2223	1736	4354	4832	3236
77 2005 Federal Report Surplus Deficit	1705	1761	1905	1008	1438	1782	1880	2795	1119	1141	163	4320	4678	3717

Federal Report Surplus Deficit By Water Year

Operating Year 2026

2018 White Book Report Date: **12/1/2018** *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	2771	1267	590	314	1656	1530	2725	3642	2555	4730	4838	5413	5620	4192
79 2007 Federal Report Surplus Deficit	2237	752	49.3	147	1562	1585	2343	2202	3791	3661	2079	5099	5036	4227
80 2008 Federal Report Surplus Deficit	2105	445	-127	378	1515	982	1310	1389	1301	1868	362	5151	5972	4585
Ranked Averages														
81 Bottom 10 pct	1646	874	827	414	1131	1199	1718	2103	1989	2425	2052	4208	4810	3732
82 Middle 80 pct	3178	2301	1252	644	1476	1548	2055	2438	2232	2951	2458	4811	5273	3915
83 Top 10 pct	3864	3506	1810	1388	1908	1718	2292	2838	2785	3769	3711	5243	5179	4118

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	3136	2991	1223	622	967	790	665	569	490	1012	-764	1665	4029	1693
2 1930 Federal Report Surplus Deficit	2674	1755	1127	692	1106	873	68.5	732	443	1432	279	1686	3195	3217
3 1931 Federal Report Surplus Deficit	2995	1910	943	719	1011	935	116	564	502	1210	-987	1979	3094	3128
4 1932 Federal Report Surplus Deficit	3307	1957	1013	295	591	848	676	-759	2269	4098	4735	4615	4477	4403
5 1933 Federal Report Surplus Deficit	3405	3060	1794	676	795	2013	2204	3118	2354	2846	2050	4116	5136	4721
6 1934 Federal Report Surplus Deficit	3874	4079	1953	1647	3227	3155	3117	3869	3986	4178	4627	4032	3869	2416
7 1935 Federal Report Surplus Deficit	1888	1861	566	578	557	1261	2128	2860	2500	1586	2458	3802	3617	4420
8 1936 Federal Report Surplus Deficit	4024	2137	942	510	913	822	249	-18.5	734	1479	4345	4661	4280	3780
9 1937 Federal Report Surplus Deficit	2488	1383	631	712	1233	918	-10.9	-358	268	1143	-651	2127	3779	2734
10 1938 Federal Report Surplus Deficit	2838	1543	1202	610	851	1533	1825	2326	3403	4482	4615	4567	4059	4492
11 1939 Federal Report Surplus Deficit	2165	1158	1505	644	796	824	1395	1636	1412	2188	3270	3805	3404	3393
12 1940 Federal Report Surplus Deficit	2202	1288	793	770	1251	1581	1432	1175	2836	3438	2343	3932	3345	1678
13 1941 Federal Report Surplus Deficit	1915	749	962	399	1209	1422	956	943	1168	1087	-965	1659	3341	2897
14 1942 Federal Report Surplus Deficit	3034	1565	1420	293	1545	2367	1899	2175	503	1593	1429	2936	4311	4478
15 1943 Federal Report Surplus Deficit	3599	3252	2058	787	664	1258	2429	3025	3129	4622	4921	4054	4923	4783
16 1944 Federal Report Surplus Deficit	3709	2706	1247	465	944	815	931	690	162	949	-1206	1642	3171	1804
17 1945 Federal Report Surplus Deficit	2878	915	854	368	915	871	397	450	431	1102	-1016	3795	4365	2179
18 1946 Federal Report Surplus Deficit	2850	1466	1025	434	1071	1595	1841	2180	2567	4518	4756	4536	4089	4590
19 1947 Federal Report Surplus Deficit	3936	3522	1728	407	1604	3066	2904	3565	3507	4276	3191	4413	4242	4448
20 1948 Federal Report Surplus Deficit	3327	2454	1535	3817	2946	2316	2797	3346	2502	3500	4525	4803	4922	4591
21 1949 Federal Report Surplus Deficit	3868	4075	2098	1095	1288	1481	1633	2117	3563	4370	4756	4574	4039	2357
22 1950 Federal Report Surplus Deficit	1646	588	735	461	848	1611	2766	3772	3905	4508	4107	4425	5042	4940
23 1951 Federal Report Surplus Deficit	3902	4037	2132	2046	3157	3163	3195	4047	4113	4333	4435	4567	4222	4630
24 1952 Federal Report Surplus Deficit	4022	2592	1713	3305	2292	2354	2721	3581	2551	4616	4778	4953	4308	4515
25 1953 Federal Report Surplus Deficit	3477	1874	605	595	936	827	1118	4051	1827	953	1161	4096	5092	4702
26 1954 Federal Report Surplus Deficit	3667	3128	1721	1007	1592	1936	2476	3902	3151	3554	3154	4554	4597	4890
27 1955 Federal Report Surplus Deficit	3863	4133	3530	1185	2435	1872	1287	1505	171	1190	222	3785	4984	4897
28 1956 Federal Report Surplus Deficit	3875	3772	1603	1380	2817	3101	3152	4190	4099	4141	4316	4760	4880	4627
29 1957 Federal Report Surplus Deficit	3911	3918	1810	1338	1235	2061	1750	1547	2964	4866	3500	5065	4877	4133
30 1958 Federal Report Surplus Deficit	3693	1599	1060	551	1063	1442	2239	2944	2283	2678	4057	4752	4618	3904
31 1959 Federal Report Surplus Deficit	3471	1960	1140	1014	2278	2793	3085	3885	2891	4335	3260	4166	4610	4692
32 1960 Federal Report Surplus Deficit	4014	4219	3469	4198	3240	2620	2254	2912	2613	4811	4479	3879	4411	4391
33 1961 Federal Report Surplus Deficit	3917	1861	1287	944	1520	1620	2076	3153	3717	4368	2429	4279	4702	4009
34 1962 Federal Report Surplus Deficit	3421	2426	1006	444	1096	1597	2166	2943	1054	3108	4784	4196	4125	4013
35 1963 Federal Report Surplus Deficit	3697	2871	1184	1749	2442	2622	2343	3010	1192	1805	577	3940	4500	4287
36 1964 Federal Report Surplus Deficit	3460	2246	1960	466	1109	1591	1599	1983	643	2833	1763	4272	5112	4843
37 1965 Federal Report Surplus Deficit	3895	4023	2689	2135	2124	3178	3274	4147	3952	2892	4474	4409	4370	4522
38 1966 Federal Report Surplus Deficit	3928	3980	1274	1223	1343	1714	1969	2640	1205	3451	2474	3589	4045	4309

Federal Report Surplus Deficit By Water Year

Operating Year 2027

2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	3803	2058	1240	418	882	2093	2831	3777	3276	3227	690	4185	4895	4619
40 1968 Federal Report Surplus Deficit	3921	3690	1926	987	1783	1700	2262	3333	3431	1096	209	3534	4337	4460
41 1969 Federal Report Surplus Deficit	3958	3930	2991	2238	2965	2360	3088	3898	3542	4225	4550	4895	4512	4518
42 1970 Federal Report Surplus Deficit	3114	2079	1383	1184	1395	1281	2163	3112	1613	1411	427	4017	4753	3925
43 1971 Federal Report Surplus Deficit	3111	1679	831	521	1064	1690	3226	3907	4317	4461	4381	4629	5013	4727
44 1972 Federal Report Surplus Deficit	3902	4170	2151	1406	1452	1994	3113	3929	4114	4289	4140	4372	4922	4727
45 1973 Federal Report Surplus Deficit	3903	4190	2316	1287	1584	1719	1986	2583	1014	941	-1196	1670	3372	2469
46 1974 Federal Report Surplus Deficit	3042	925	820	502	875	2411	3229	3952	4013	4086	4208	4178	5056	5052
47 1975 Federal Report Surplus Deficit	3855	4184	2249	358	927	1362	2071	2810	3280	1909	1680	4439	4886	4964
48 1976 Federal Report Surplus Deficit	3877	3774	2435	2420	3142	3219	3041	3923	3839	4336	4461	4727	4479	4721
49 1977 Federal Report Surplus Deficit	3910	4172	3604	1455	1035	839	1056	875	150	933	-1152	1424	3089	1707
50 1978 Federal Report Surplus Deficit	2885	1329	161	121	900	1666	1915	2371	2033	4557	3000	4213	3872	4511
51 1979 Federal Report Surplus Deficit	3795	2838	2885	1543	1466	1033	1566	1173	2293	1570	2252	4227	3593	1911
52 1980 Federal Report Surplus Deficit	2227	775	1218	681	928	773	1626	1146	405	2920	3502	4709	4492	4085
53 1981 Federal Report Surplus Deficit	2175	1160	1417	579	1519	2577	2700	3650	1370	997	910	4092	4814	4604
54 1982 Federal Report Surplus Deficit	3977	4196	1932	839	1854	1713	2551	4136	4338	4514	3451	4494	4895	5096
55 1983 Federal Report Surplus Deficit	4018	4278	3076	2284	1906	2070	2783	4033	4353	4314	2917	4254	4340	4730
56 1984 Federal Report Surplus Deficit	3900	4114	2418	1138	3299	2304	2627	3508	3876	4088	4702	4249	4849	4665
57 1985 Federal Report Surplus Deficit	3909	2939	2384	1151	1793	1741	1713	2024	1320	3803	4032	4087	3522	2670
58 1986 Federal Report Surplus Deficit	1577	564	1191	1554	2459	1873	2284	3757	4543	4909	4549	3913	4364	3614
59 1987 Federal Report Surplus Deficit	3324	1401	972	302	1645	1800	1441	936	1806	1477	1738	4089	3399	1655
60 1988 Federal Report Surplus Deficit	2168	730	764	449	797	758	317	430	479	1099	1059	1974	3541	3608
61 1989 Federal Report Surplus Deficit	3003	1778	1098	465	1081	1440	839	-256	2131	3407	4759	3984	3653	3030
62 1990 Federal Report Surplus Deficit	2298	1460	1031	691	1551	2071	2004	3391	2763	3223	4544	3946	4430	4368
63 1991 Federal Report Surplus Deficit	3980	3604	1110	420	3227	2449	2820	3557	2890	3628	2646	4105	4374	4662
64 1992 Federal Report Surplus Deficit	3994	3921	1262	463	1044	757	1115	1069	1076	943	397	3702	3191	1551
65 1993 Federal Report Surplus Deficit	2465	1090	612	477	1130	1036	548	-418	1400	1835	-76.6	4317	4096	3851
66 1994 Federal Report Surplus Deficit	2826	1909	1095	707	1324	1072	615	935	454	1052	1865	3251	3317	3332
67 1995 Federal Report Surplus Deficit	2780	1189	932	525	722	1100	1478	2414	3004	2367	28.2	4063	4478	4442
68 1996 Federal Report Surplus Deficit	3377	2010	1902	2264	3266	3174	3261	4087	4210	4419	4661	4622	4586	4595
69 1997 Federal Report Surplus Deficit	4004	4051	1869	878	1673	2357	3297	3918	4131	4071	4312	4613	4819	4689
70 1998 Federal Report Surplus Deficit	3902	4161	2995	3985	2897	1773	1759	3283	2059	1630	919	4598	4772	4498
71 1999 Federal Report Surplus Deficit	3963	3720	1108	612	786	2249	3022	3912	4215	3801	4355	4367	4841	4773
72 2000 Federal Report Surplus Deficit	4008	4279	2246	892	3280	2641	2133	2850	2898	4792	4782	4201	3482	4241
73 2001 Federal Report Surplus Deficit	3852	1219	981	685	968	827	951	547	258	908	-1082	1954	3081	2202
74 2002 Federal Report Surplus Deficit	3057	1077	338	94.4	914	1372	840	796	1045	2915	4335	3819	4598	4588
75 2003 Federal Report Surplus Deficit	2992	2298	1147	859	1241	981	866	1401	2754	2552	2172	3085	4469	3213
76 2004 Federal Report Surplus Deficit	1577	577	437	553	1662	1716	1134	548	1162	2250	1757	3502	3788	3224
77 2005 Federal Report Surplus Deficit	1918	1965	2151	1420	1458	1960	1706	2726	1211	868	215	3453	3660	3711

Federal Report Surplus Deficit By Water Year

Operating Year 2027

2018 White Book Report Date: **12/1/2018** *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	2982	1428	798	634	1681	1722	2457	3640	2643	4678	4775	4522	4624	4193
79 2007 Federal Report Surplus Deficit	2450	875	281	428	1583	1773	2134	2139	3829	3782	2082	4191	3998	4231
80 2008 Federal Report Surplus Deficit	2319	584	113	748	1535	1225	1236	1358	1393	1823	375	4226	5025	4596
Ranked Averages														
81 Bottom 10 pct	1857	1024	1039	757	1223	1428	1586	2084	2047	2312	2056	3317	3845	3726
82 Middle 80 pct	3362	2502	1491	981	1537	1750	1920	2422	2318	2914	2467	3923	4320	3925
83 Top 10 pct	4008	3635	1961	1619	2197	2009	2172	2737	2656	3582	3582	4296	4151	4070

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Federal Report Surplus Deficit By Water Year

Operating Year 2028

2018 White Book Report Date: 12/1/2018

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	3060	2883	1188	438	1247	620	544	630	432	1309	-876	2600	5105	1563
2 1930 Federal Report Surplus Deficit	2593	1702	1092	471	1420	695	-39.4	745	388	1598	155	2707	4073	3080
3 1931 Federal Report Surplus Deficit	2911	1849	908	471	1330	793	7.17	585	444	1438	-1096	2972	3907	2990
4 1932 Federal Report Surplus Deficit	3234	1891	978	122	826	688	574	-1009	2213	4064	4689	5492	5518	4249
5 1933 Federal Report Surplus Deficit	3332	2950	1744	473	1022	1957	2315	3239	2239	2801	1903	4925	6011	4556
6 1934 Federal Report Surplus Deficit	3875	4008	1899	1351	3242	3018	3113	3968	3990	4252	4554	4946	4948	2282
7 1935 Federal Report Surplus Deficit	1806	1794	528	349	611	1138	2231	2982	2370	1691	2341	4672	4630	4267
8 1936 Federal Report Surplus Deficit	3999	2065	906	326	1192	660	144	-78.4	669	1615	4290	5596	5336	3637
9 1937 Federal Report Surplus Deficit	2406	1356	586	490	1557	772	-116	-486	220	1439	-762	3112	4791	2601
10 1938 Federal Report Surplus Deficit	2758	1499	1166	419	1097	1440	1847	2406	3399	4561	4542	5439	5123	4336
11 1939 Federal Report Surplus Deficit	2083	1149	1466	437	1024	633	1390	1673	1339	2197	3161	4678	4337	3255
12 1940 Federal Report Surplus Deficit	2120	1265	755	523	1578	1507	1429	1242	2800	3355	2224	4813	4301	1548
13 1941 Federal Report Surplus Deficit	1827	760	927	203	1536	1325	873	996	1101	1319	-1076	2665	4302	2760
14 1942 Federal Report Surplus Deficit	2958	1520	1378	124	1871	2332	1938	2292	445	1748	1309	3831	5347	4319
15 1943 Federal Report Surplus Deficit	3546	3146	1987	548	803	1133	2508	3155	3153	4696	4864	4965	5912	4624
16 1944 Federal Report Surplus Deficit	3651	2607	1212	322	1216	641	894	652	115	1245	-1471	2576	4038	1680
17 1945 Federal Report Surplus Deficit	2794	913	819	195	1203	727	288	426	379	1399	-1199	4671	5411	2050
18 1946 Federal Report Surplus Deficit	2770	1436	989	281	1366	1508	1726	2500	2549	4593	4683	5419	5158	4432
19 1947 Federal Report Surplus Deficit	3897	3402	1680	286	1930	3012	2945	3617	3463	4207	3074	5297	5300	4290
20 1948 Federal Report Surplus Deficit	3256	2364	1494	3830	3117	2272	2835	3464	2428	3464	4485	5752	5876	4432
21 1949 Federal Report Surplus Deficit	3872	4010	2031	829	1609	1386	1658	2231	3550	4349	4683	5493	5108	2226
22 1950 Federal Report Surplus Deficit	1565	581	694	309	1089	1538	2802	3828	4092	4584	4015	5262	5977	4799
23 1951 Federal Report Surplus Deficit	3902	3956	2069	1757	3293	3087	3197	4144	4118	4407	4362	5432	5283	4474
24 1952 Federal Report Surplus Deficit	3988	2497	1666	3183	2566	2311	2756	3703	2458	4692	4705	5900	5366	4361
25 1953 Federal Report Surplus Deficit	3412	1819	558	418	1226	663	1078	4145	1737	1250	1040	4988	6004	4559
26 1954 Federal Report Surplus Deficit	3609	3014	1676	752	1918	1875	2577	4011	3077	3436	3027	5426	5617	4698
27 1955 Federal Report Surplus Deficit	3893	4120	3304	915	2685	1815	1238	1598	125	1405	103	4640	5967	4744
28 1956 Federal Report Surplus Deficit	3870	3659	1562	1094	3011	3047	3158	4295	4104	4218	4243	5707	5868	4469
29 1957 Federal Report Surplus Deficit	3888	3822	1760	1055	1551	2003	1789	1640	2941	4911	3397	6015	5844	3987
30 1958 Federal Report Surplus Deficit	3630	1559	1025	374	1359	1339	2321	3066	2209	2646	3968	5618	5611	3755
31 1959 Federal Report Surplus Deficit	3402	1894	1105	760	2554	2771	3074	3979	2833	4413	3146	5008	5585	4536
32 1960 Federal Report Surplus Deficit	4002	4154	3238	4335	3256	2592	2400	2901	2549	4885	4392	4755	5461	4242
33 1961 Federal Report Surplus Deficit	3872	1809	1251	693	1847	1538	2157	3274	3658	4350	2285	5162	5682	3862
34 1962 Federal Report Surplus Deficit	3352	2336	971	294	1401	1511	2248	3043	974	3067	4726	5101	5196	3869
35 1963 Federal Report Surplus Deficit	3641	2763	1149	1453	2693	2591	2393	3133	1122	1891	452	4813	5521	4135
36 1964 Federal Report Surplus Deficit	3393	2164	1902	302	1414	1508	1617	2041	571	2786	1643	5124	6012	4667
37 1965 Federal Report Surplus Deficit	3890	3944	2572	1853	2414	3056	3242	4307	3961	2923	4401	5355	5402	4368
38 1966 Federal Report Surplus Deficit	3914	3884	1236	935	1669	1648	2070	2664	1128	3391	2355	4455	5116	4159

Federal Report Surplus Deficit By Water Year

Operating Year 2028

2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	3748	1989	1205	233	1137	2040	2857	3869	3227	3137	569	5015	5814	4459
40 1968 Federal Report Surplus Deficit	3879	3576	1867	718	2100	1634	2349	3454	3384	1311	94.7	4392	5365	4306
41 1969 Federal Report Surplus Deficit	3925	3836	2822	1974	3133	2317	3101	3996	3368	4302	4478	5841	5579	4362
42 1970 Federal Report Surplus Deficit	3037	2008	1348	912	1721	1163	2232	3234	1560	1605	294	4908	5759	3783
43 1971 Federal Report Surplus Deficit	3034	1637	794	325	1356	1613	3231	4002	4323	4539	4308	5577	5926	4580
44 1972 Federal Report Surplus Deficit	3902	4132	2089	1120	1778	1935	3122	4063	4157	4363	4079	5319	5826	4575
45 1973 Federal Report Surplus Deficit	3908	4168	2236	1004	1911	1642	2034	2705	946	1237	-1465	2604	4342	2335
46 1974 Federal Report Surplus Deficit	2964	920	785	298	1112	2382	3202	4050	4018	4160	4136	5124	5982	4846
47 1975 Federal Report Surplus Deficit	3866	4162	2176	240	1196	1248	2153	2878	3265	1940	1561	5289	5840	4865
48 1976 Federal Report Surplus Deficit	3836	3665	2344	2168	3279	3081	3055	4022	3858	4410	4388	5674	5511	4543
49 1977 Federal Report Surplus Deficit	3973	4129	3386	1166	1330	691	945	1044	104	1230	-1362	2413	3907	1584
50 1978 Federal Report Surplus Deficit	2801	1296	103	22.2	1166	1599	1951	2449	2037	4633	2903	5069	4941	4355
51 1979 Federal Report Surplus Deficit	3737	2733	2735	1248	1793	882	1560	1240	2218	1720	2122	5149	4579	1783
52 1980 Federal Report Surplus Deficit	2145	791	1183	461	1217	569	1614	1217	352	2863	3405	5594	5498	3939
53 1981 Federal Report Surplus Deficit	2093	1147	1376	360	1845	2544	2720	3761	1298	1293	790	5014	5806	4442
54 1982 Federal Report Surplus Deficit	3975	4130	1874	606	2166	1638	2616	4250	4361	4591	3356	5440	5817	4896
55 1983 Federal Report Surplus Deficit	4004	4240	2918	2009	2218	2015	2822	4142	4383	4295	2796	5124	5400	4583
56 1984 Federal Report Surplus Deficit	3889	4052	2336	873	3354	2260	2712	3640	3876	4026	4640	5180	5833	4505
57 1985 Federal Report Surplus Deficit	3877	2831	2304	889	2114	1668	1761	2082	1246	3749	3954	4982	4486	2537
58 1986 Federal Report Surplus Deficit	1507	558	1156	1261	2711	1813	2366	3921	4517	4985	4472	4814	5406	3473
59 1987 Federal Report Surplus Deficit	3250	1374	937	182	1971	1733	1411	990	1731	1636	1601	4995	4381	1525
60 1988 Federal Report Surplus Deficit	2086	747	728	250	1085	552	208	435	422	1396	938	2971	4500	3467
61 1989 Federal Report Surplus Deficit	2921	1723	1063	290	1381	1343	751	-366	2098	3380	4712	4877	4661	2902
62 1990 Federal Report Surplus Deficit	2211	1428	995	473	1878	2022	2092	3478	2689	3135	4466	4841	5474	4215
63 1991 Federal Report Surplus Deficit	3940	3488	1075	274	3263	2412	2854	3617	2826	3556	2513	4974	5427	4488
64 1992 Federal Report Surplus Deficit	3993	3815	1227	305	1342	552	1061	1135	1006	1240	277	4578	4084	1421
65 1993 Federal Report Surplus Deficit	2383	1070	573	263	1444	888	443	-561	1331	1920	-244	5270	5205	3623
66 1994 Federal Report Surplus Deficit	2754	1854	1060	497	1650	944	511	991	398	1349	1746	4136	4255	3193
67 1995 Federal Report Surplus Deficit	2694	1167	897	305	950	962	1449	2539	2957	2335	-86.7	4969	5505	4292
68 1996 Federal Report Surplus Deficit	3305	1945	1849	1991	3281	3037	3246	4185	4215	4496	4588	5567	5609	4440
69 1997 Federal Report Surplus Deficit	3987	3954	1818	644	1999	2316	3272	4106	4178	4146	4240	5560	5803	4538
70 1998 Federal Report Surplus Deficit	3887	4130	2845	4047	3079	1700	1767	3408	1986	1746	799	5531	5762	4357
71 1999 Federal Report Surplus Deficit	3957	3602	1073	438	989	2200	3035	4044	4258	3792	4278	5206	5802	4623
72 2000 Federal Report Surplus Deficit	4017	4258	2170	656	3295	2608	2202	2973	2829	4870	4738	5087	4410	4090
73 2001 Federal Report Surplus Deficit	3805	1201	946	476	1253	663	851	613	208	1205	-1249	2949	3900	2070
74 2002 Federal Report Surplus Deficit	2979	1072	281	-4.39	1188	1264	636	949	1033	2891	4247	4696	5601	4431
75 2003 Federal Report Surplus Deficit	2913	2220	1113	610	1562	824	774	1490	2693	2498	2044	3969	5502	3075
76 2004 Federal Report Surplus Deficit	1507	570	386	332	1980	1643	1065	566	1093	2247	1625	4366	4862	3088
77 2005 Federal Report Surplus Deficit	1836	1894	2072	1128	1785	1900	1747	2849	1139	1165	51.7	4332	4708	3570

Federal Report Surplus Deficit By Water Year

Operating Year 2028

2018 White Book Report Date: **12/1/2018** *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	2902	1400	757	434	2003	1648	2592	3696	2575	4752	4725	5425	5650	4044
79 2007 Federal Report Surplus Deficit	2368	885	217	267	1909	1703	2210	2255	3812	3685	1968	5111	5066	4079
80 2008 Federal Report Surplus Deficit	2236	578	40.6	498	1862	1101	1177	1443	1320	1892	251	5164	6002	4438
Ranked Averages														
81 Bottom 10 pct	1777	1007	995	534	1478	1318	1585	2156	2009	2448	1941	4220	4840	3585
82 Middle 80 pct	3310	2434	1420	764	1823	1667	1922	2492	2252	2975	2346	4823	5304	3768
83 Top 10 pct	3996	3639	1977	1508	2254	1837	2159	2891	2804	3792	3599	5255	5210	3971

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Federal Report Surplus Deficit By Water Year

Operating Year 2029

2018 White Book Report Date: 12/1/2018

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Federal Report Surplus Deficit	3203	3046	1179	571	1081	673	705	494	571	1079	-854	1689	4008	1569
2 1930 Federal Report Surplus Deficit	2741	1810	1083	641	1220	755	109	657	525	1498	189	1710	3174	3093
3 1931 Federal Report Surplus Deficit	3062	1965	900	667	1126	817	156	489	584	1276	-1077	2003	3073	3004
4 1932 Federal Report Surplus Deficit	3374	2012	969	243	705	730	716	-834	2351	4164	4645	4640	4456	4279
5 1933 Federal Report Surplus Deficit	3472	3115	1750	625	909	1896	2245	3043	2436	2913	1960	4140	5116	4597
6 1934 Federal Report Surplus Deficit	3941	4134	1909	1595	3342	3038	3158	3796	4066	4243	4536	4057	3848	2292
7 1935 Federal Report Surplus Deficit	1955	1916	522	526	672	1143	2168	2785	2582	1652	2368	3826	3596	4297
8 1936 Federal Report Surplus Deficit	4091	2192	899	459	1028	705	289	-93.4	816	1546	4255	4685	4260	3656
9 1937 Federal Report Surplus Deficit	2555	1438	587	661	1348	801	29.2	-433	349	1209	-740	2151	3759	2610
10 1938 Federal Report Surplus Deficit	2905	1598	1158	558	966	1415	1865	2251	3485	4547	4524	4592	4038	4368
11 1939 Federal Report Surplus Deficit	2232	1213	1461	592	911	706	1435	1561	1494	2255	3180	3828	3384	3269
12 1940 Federal Report Surplus Deficit	2269	1344	749	718	1366	1464	1472	1100	2918	3504	2254	3956	3325	1554
13 1941 Federal Report Surplus Deficit	1982	804	918	347	1324	1305	996	868	1250	1153	-1055	1682	3320	2773
14 1942 Federal Report Surplus Deficit	3101	1620	1376	242	1660	2249	1939	2100	585	1660	1339	2960	4290	4355
15 1943 Federal Report Surplus Deficit	3665	3307	2014	735	778	1141	2470	2950	3211	4687	4832	4078	4902	4659
16 1944 Federal Report Surplus Deficit	3776	2761	1203	414	1058	697	971	615	243	1015	-1295	1665	3151	1680
17 1945 Federal Report Surplus Deficit	2945	970	810	317	1030	753	437	375	513	1168	-1106	3819	4344	2055
18 1946 Federal Report Surplus Deficit	2917	1521	981	382	1185	1477	1881	2105	2648	4583	4664	4561	4069	4467
19 1947 Federal Report Surplus Deficit	4003	3577	1684	356	1719	2949	2945	3492	3589	4342	3102	4438	4221	4324
20 1948 Federal Report Surplus Deficit	3394	2509	1491	3765	3060	2198	2839	3271	2584	3567	4436	4826	4902	4468
21 1949 Federal Report Surplus Deficit	3935	4130	2054	1043	1403	1364	1673	2042	3645	4437	4665	4598	4018	2233
22 1950 Federal Report Surplus Deficit	1713	643	691	410	962	1493	2807	3695	3988	4573	4017	4450	5022	4817
23 1951 Federal Report Surplus Deficit	3969	4092	2088	1994	3271	3046	3236	3970	4193	4398	4344	4592	4202	4507
24 1952 Federal Report Surplus Deficit	4089	2647	1669	3254	2406	2237	2762	3506	2633	4681	4687	4976	4287	4392
25 1953 Federal Report Surplus Deficit	3544	1929	561	543	1051	709	1159	3978	1909	1019	1071	4120	5072	4579
26 1954 Federal Report Surplus Deficit	3734	3184	1677	955	1706	1818	2518	3828	3233	3621	3065	4579	4576	4766
27 1955 Federal Report Surplus Deficit	3930	4188	3486	1134	2550	1754	1327	1430	253	1256	132	3809	4963	4773
28 1956 Federal Report Surplus Deficit	3942	3827	1559	1328	2931	2983	3193	4117	4180	4206	4225	4783	4859	4503
29 1957 Federal Report Surplus Deficit	3978	3973	1766	1286	1349	1943	1790	1472	3046	4932	3410	5087	4856	4009
30 1958 Federal Report Surplus Deficit	3760	1654	1016	499	1178	1325	2279	2869	2365	2745	3968	4777	4597	3781
31 1959 Federal Report Surplus Deficit	3538	2015	1096	962	2393	2676	3126	3811	2973	4400	3170	4190	4590	4569
32 1960 Federal Report Surplus Deficit	4081	4274	3425	4147	3355	2503	2296	2837	2695	4876	4389	3903	4391	4267
33 1961 Federal Report Surplus Deficit	3984	1917	1244	892	1634	1502	2116	3078	3799	4435	2340	4304	4681	3885
34 1962 Federal Report Surplus Deficit	3488	2481	963	393	1211	1479	2207	2868	1135	3175	4695	4220	4104	3889
35 1963 Federal Report Surplus Deficit	3764	2926	1140	1698	2556	2505	2384	2935	1274	1871	488	3964	4479	4163
36 1964 Federal Report Surplus Deficit	3527	2301	1917	414	1224	1474	1639	1908	725	2900	1673	4297	5092	4719
37 1965 Federal Report Surplus Deficit	3962	4078	2645	2083	2239	3060	3315	4070	4033	2959	4383	4432	4350	4398
38 1966 Federal Report Surplus Deficit	3995	4035	1230	1171	1458	1596	2009	2566	1287	3518	2384	3612	4024	4185

Federal Report Surplus Deficit By Water Year

Operating Year 2029

2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Federal Report Surplus Deficit	3870	2113	1197	366	997	1976	2872	3704	3358	3293	600	4210	4875	4495
40 1968 Federal Report Surplus Deficit	3988	3745	1882	935	1897	1583	2302	3258	3513	1163	119	3558	4317	4336
41 1969 Federal Report Surplus Deficit	4025	3985	2947	2186	3079	2242	3129	3824	3624	4290	4459	4917	4491	4394
42 1970 Federal Report Surplus Deficit	3181	2134	1339	1132	1509	1164	2203	3037	1694	1477	337	4041	4732	3802
43 1971 Federal Report Surplus Deficit	3178	1734	788	470	1178	1573	3267	3830	4398	4526	4290	4651	4994	4603
44 1972 Federal Report Surplus Deficit	3969	4225	2107	1355	1567	1876	3154	3852	4194	4354	4051	4394	4902	4603
45 1973 Federal Report Surplus Deficit	3970	4245	2272	1236	1699	1602	2026	2509	1096	1007	-1286	1694	3352	2345
46 1974 Federal Report Surplus Deficit	3109	980	776	450	989	2293	3270	3876	4093	4151	4117	4201	5037	4928
47 1975 Federal Report Surplus Deficit	3922	4239	2205	307	1042	1244	2111	2735	3362	1975	1590	4463	4866	4840
48 1976 Federal Report Surplus Deficit	3944	3829	2392	2369	3257	3101	3082	3850	3921	4401	4370	4749	4459	4597
49 1977 Federal Report Surplus Deficit	3977	4227	3560	1404	1150	722	1096	800	232	999	-1242	1448	3068	1584
50 1978 Federal Report Surplus Deficit	2952	1384	117	69.4	1014	1549	1955	2296	2115	4622	2910	4238	3852	4387
51 1979 Federal Report Surplus Deficit	3862	2893	2841	1492	1581	916	1606	1098	2374	1637	2162	4251	3572	1787
52 1980 Federal Report Surplus Deficit	2294	830	1175	630	1043	656	1666	1071	487	2986	3412	4733	4471	3962
53 1981 Federal Report Surplus Deficit	2242	1215	1373	527	1633	2460	2742	3576	1452	1063	820	4116	4793	4480
54 1982 Federal Report Surplus Deficit	4044	4251	1888	787	1968	1596	2592	4059	4418	4579	3361	4517	4875	4973
55 1983 Federal Report Surplus Deficit	4085	4333	3032	2232	2021	1952	2824	3959	4436	4380	2828	4278	4320	4607
56 1984 Federal Report Surplus Deficit	3967	4169	2374	1086	3413	2187	2669	3433	3958	4154	4613	4274	4828	4542
57 1985 Federal Report Surplus Deficit	3976	2994	2340	1099	1908	1623	1753	1949	1401	3869	3942	4111	3501	2547
58 1986 Federal Report Surplus Deficit	1644	619	1147	1503	2573	1756	2325	3683	4625	4974	4459	3936	4343	3490
59 1987 Federal Report Surplus Deficit	3391	1456	929	251	1760	1683	1481	861	1888	1543	1648	4113	3378	1532
60 1988 Federal Report Surplus Deficit	2235	785	720	397	912	640	357	355	560	1166	969	1998	3521	3484
61 1989 Federal Report Surplus Deficit	3070	1833	1054	414	1196	1323	879	-331	2213	3473	4669	4008	3632	2907
62 1990 Federal Report Surplus Deficit	2365	1515	987	639	1666	1954	2044	3316	2845	3290	4454	3970	4410	4245
63 1991 Federal Report Surplus Deficit	4047	3659	1066	368	3341	2332	2861	3483	2972	3694	2556	4130	4354	4538
64 1992 Federal Report Surplus Deficit	4061	3976	1219	412	1158	640	1156	994	1158	1009	307	3726	3170	1427
65 1993 Federal Report Surplus Deficit	2532	1145	568	426	1244	918	589	-493	1481	1901	-166	4341	4076	3727
66 1994 Federal Report Surplus Deficit	2893	1964	1051	656	1439	954	655	860	535	1119	1775	3275	3297	3208
67 1995 Federal Report Surplus Deficit	2847	1244	889	473	837	982	1518	2339	3085	2434	-61.6	4087	4457	4318
68 1996 Federal Report Surplus Deficit	3444	2065	1859	2212	3381	3057	3303	4011	4291	4484	4569	4644	4566	4471
69 1997 Federal Report Surplus Deficit	4071	4106	1826	827	1788	2239	3339	3841	4212	4136	4221	4636	4799	4565
70 1998 Federal Report Surplus Deficit	3969	4216	2951	3934	3012	1655	1799	3208	2141	1696	829	4622	4751	4375
71 1999 Federal Report Surplus Deficit	4030	3775	1064	561	900	2131	3063	3835	4296	3867	4265	4392	4822	4649
72 2000 Federal Report Surplus Deficit	4075	4334	2202	840	3394	2523	2173	2775	2980	4857	4693	4225	3461	4117
73 2001 Federal Report Surplus Deficit	3919	1274	938	633	1083	710	991	472	340	974	-1172	1978	3061	2079
74 2002 Federal Report Surplus Deficit	3124	1132	294	42.8	1028	1254	880	721	1127	2981	4245	3843	4577	4465
75 2003 Federal Report Surplus Deficit	3059	2353	1104	808	1355	863	906	1326	2836	2619	2082	3109	4448	3089
76 2004 Federal Report Surplus Deficit	1643	632	393	501	1777	1599	1174	473	1244	2316	1668	3525	3767	3100
77 2005 Federal Report Surplus Deficit	1985	2020	2107	1369	1572	1843	1746	2651	1292	934	125	3477	3639	3588

Federal Report Surplus Deficit By Water Year

Operating Year 2029

2018 White Book Report Date: **12/1/2018** *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Federal Report Surplus Deficit	3048	1483	754	583	1795	1604	2498	3565	2725	4743	4686	4547	4604	4069
79 2007 Federal Report Surplus Deficit	2517	930	238	376	1697	1656	2174	2064	3911	3849	1992	4215	3977	4107
80 2008 Federal Report Surplus Deficit	2386	639	68.8	696	1650	1108	1276	1283	1475	1889	285	4249	5005	4472
Ranked Averages														
81 Bottom 10 pct	1924	1079	995	706	1338	1311	1626	2009	2129	2378	1966	3340	3824	3602
82 Middle 80 pct	3429	2557	1447	930	1651	1633	1960	2347	2400	2980	2377	3947	4300	3801
83 Top 10 pct	4075	3690	1917	1567	2311	1891	2212	2663	2738	3647	3492	4320	4130	3946

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Exhibit 29
Regional Report Surplus Deficit By Water Year
80 Water Year Regional Surplus/Deficit

Monthly 1-Hour Capacity
Operating Year 2020 to 2029
Using 1937-Water Conditions

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Regional Report Surplus Deficit By Water Year

Operating Year 2020

2018 White Book Report Date: 12/1/2018

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	7097	6890	6169	5248	3755	2453	2575	3997	4033	4795	1182	7200	9995	4751
2 1930 Regional Report Surplus Deficit	5549	4434	6208	4894	3286	2192	1305	4037	3946	4691	1711	7159	8470	6590
3 1931 Regional Report Surplus Deficit	6122	4758	6037	4937	3033	2412	1392	3600	3742	4395	965	6871	7572	5568
4 1932 Regional Report Surplus Deficit	5142	4126	5476	4418	2609	2323	2584	1531	6475	8722	9233	10806	10782	8242
5 1933 Regional Report Surplus Deficit	6962	6127	7293	5064	3417	4306	5211	7359	6646	7156	4279	9863	10810	8930
6 1934 Regional Report Surplus Deficit	7451	7240	7226	6397	6569	5774	6565	8395	9015	9902	8854	9899	9276	5427
7 1935 Regional Report Surplus Deficit	4990	4098	5618	4700	2839	3156	5160	7105	6787	5518	5111	9844	9553	8292
8 1936 Regional Report Surplus Deficit	7386	5432	5627	4868	3512	2341	1558	2773	4228	5111	8291	10808	10658	7473
9 1937 Regional Report Surplus Deficit	6251	4868	6079	4953	3432	2368	1096	1950	3391	4571	700	7538	9711	6035
10 1938 Regional Report Surplus Deficit	6065	4506	6098	4917	3450	3754	4828	6503	8086	9298	9424	10687	10370	8471
11 1939 Regional Report Surplus Deficit	5461	4418	6664	5032	3409	2481	4322	5548	5494	6272	6159	10197	8945	6799
12 1940 Regional Report Surplus Deficit	6023	4646	6516	5058	3889	3656	4231	5026	7542	7924	4696	10300	8733	4571
13 1941 Regional Report Surplus Deficit	4788	3174	5955	4680	3524	3351	3231	4554	4995	4028	287	6822	8141	5574
14 1942 Regional Report Surplus Deficit	4929	3443	6128	4560	4461	4845	4862	6427	4151	5115	3166	8722	10624	8504
15 1943 Regional Report Surplus Deficit	6442	6055	7560	5180	3139	3345	5544	7488	7698	10781	9633	10387	11313	8994
16 1944 Regional Report Surplus Deficit	7409	6138	6517	4977	3180	2593	3429	4051	3706	4570	911	6843	7690	3734
17 1945 Regional Report Surplus Deficit	4901	2941	5237	4101	2941	2343	2052	3675	3970	4541	1272	9592	10690	5478
18 1946 Regional Report Surplus Deficit	5461	4198	6169	4721	3586	3832	4807	6635	6906	9871	9524	10633	10360	8776
19 1947 Regional Report Surplus Deficit	7338	6612	7355	4982	4712	5689	6054	8088	8341	9039	6286	10653	10586	8428
20 1948 Regional Report Surplus Deficit	7027	6090	6636	8632	6290	4887	5935	7819	6899	8144	8843	11029	10548	8764
21 1949 Regional Report Surplus Deficit	7361	7420	7867	5779	4226	3544	4450	6301	8185	9105	9351	10943	10290	5697
22 1950 Regional Report Surplus Deficit	5348	3913	6229	4910	3414	3860	5938	8097	8837	10147	7780	10171	10965	9323
23 1951 Regional Report Surplus Deficit	7498	7484	7754	7055	6724	5950	6554	8966	9255	10319	9038	10523	10523	8780
24 1952 Regional Report Surplus Deficit	7419	6050	7142	8386	5652	4978	5742	8130	7033	10083	9623	11080	10692	8588
25 1953 Regional Report Surplus Deficit	6689	5550	5717	5000	3094	2158	3887	8609	6059	4694	3311	10492	11132	9015
26 1954 Regional Report Surplus Deficit	7386	6691	7235	5659	4650	4439	5780	8362	7784	8276	6149	10558	10774	9164
27 1955 Regional Report Surplus Deficit	7461	7571	10264	5884	5671	4203	4038	5282	3234	4779	1599	9418	11341	9142
28 1956 Regional Report Surplus Deficit	7416	6913	6888	6229	6178	5738	6482	8538	9047	9893	8699	10848	11221	8999
29 1957 Regional Report Surplus Deficit	7570	7323	7330	6148	4189	4705	4776	5495	7551	10049	6851	11396	11265	7924
30 1958 Regional Report Surplus Deficit	6693	5680	6648	4977	3713	3583	5535	7599	6759	7248	8010	10889	11011	7616
31 1959 Regional Report Surplus Deficit	7048	5416	6148	5524	5483	5426	6352	8322	7544	9612	6346	10294	10634	8832
32 1960 Regional Report Surplus Deficit	7474	7497	10699	9141	6658	5150	5394	7261	7160	10592	8633	10062	10686	8193
33 1961 Regional Report Surplus Deficit	7187	5437	6192	5453	4529	3799	5107	7708	8543	9073	4683	10308	10496	7515
34 1962 Regional Report Surplus Deficit	6901	5163	6317	4916	3901	3648	5200	7358	4873	8012	9170	10466	10345	7628
35 1963 Regional Report Surplus Deficit	6908	6170	6212	6631	5745	5253	5340	7678	5182	5781	2375	10590	10850	8090
36 1964 Regional Report Surplus Deficit	6641	5663	7454	4919	3961	3803	4582	6034	4365	7426	3913	10246	11162	9140
37 1965 Regional Report Surplus Deficit	7462	7318	8343	6874	5283	5717	6444	8735	8955	7640	9348	10342	10645	8557
38 1966 Regional Report Surplus Deficit	7579	7399	6537	6017	4346	4114	5160	6856	5265	8353	5105	9494	10167	8010

Regional Report Surplus Deficit By Water Year

Operating Year 2020

2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	7198	5439	6375	4842	3554	4588	5995	8132	7999	7837	2193	10154	10747	8841
40 1968 Regional Report Surplus Deficit	7389	6907	7220	5674	4922	4119	5587	8067	8377	4436	1577	9491	10666	8347
41 1969 Regional Report Surplus Deficit	7356	6752	8996	7152	6313	4933	6162	8208	8037	9993	9213	11000	10951	8560
42 1970 Regional Report Surplus Deficit	6772	5608	6673	5837	4339	3356	5477	7721	6018	4993	1997	10433	11097	7763
43 1971 Regional Report Surplus Deficit	6728	5203	6217	5064	3725	3966	6298	8507	9241	9912	8555	10724	11182	9161
44 1972 Regional Report Surplus Deficit	7637	7692	7815	6317	4650	4524	6265	8649	9619	10264	8011	10337	10460	8984
45 1973 Regional Report Surplus Deficit	7483	7614	8028	6113	4757	4182	5225	6960	4922	4736	644	7095	8199	5732
46 1974 Regional Report Surplus Deficit	4962	3503	5973	4907	3566	4994	6767	8495	9276	9728	8518	9558	10642	9405
47 1975 Regional Report Surplus Deficit	7561	7650	7721	4934	3770	3575	5362	7208	8041	6011	3688	10488	11003	9291
48 1976 Regional Report Surplus Deficit	7483	7332	8070	7490	6618	6094	6480	8421	8588	10212	8468	10868	10893	8998
49 1977 Regional Report Surplus Deficit	7647	7749	11479	6226	3905	2732	3472	4273	3556	4331	837	6660	7331	3365
50 1978 Regional Report Surplus Deficit	4513	2831	4970	3587	3200	3998	4988	6606	6353	9907	6201	10716	10000	8537
51 1979 Regional Report Surplus Deficit	6591	5292	9315	6191	4435	2955	4165	4991	6836	5189	4488	10917	9327	5045
52 1980 Regional Report Surplus Deficit	5357	4419	6507	5025	3478	2310	4561	5029	4200	7310	7139	11252	10869	7863
53 1981 Regional Report Surplus Deficit	5255	4727	6611	4948	4406	5259	5892	8188	5498	4464	2603	10309	11053	8642
54 1982 Regional Report Surplus Deficit	7391	7303	7053	5461	4933	4104	5740	8780	9448	10065	6317	10385	11040	9394
55 1983 Regional Report Surplus Deficit	7597	7659	9060	7312	5160	4690	6056	8509	9230	9256	5563	10389	10747	9007
56 1984 Regional Report Surplus Deficit	7582	7252	8025	5992	6935	4969	5963	8140	8683	8948	8815	10568	11389	8940
57 1985 Regional Report Surplus Deficit	7634	6534	7994	6080	5173	4162	4779	6154	5326	8592	7623	10412	9099	5984
58 1986 Regional Report Surplus Deficit	5379	3658	6661	6430	5842	4175	5525	8210	9653	10033	8799	10191	10523	7265
59 1987 Regional Report Surplus Deficit	6329	4822	6118	4829	4627	4157	4286	4572	6238	5198	3720	10204	8829	4712
60 1988 Regional Report Surplus Deficit	5150	3497	5662	4603	2496	2056	1743	3448	3808	4671	2904	7619	8996	7048
61 1989 Regional Report Surplus Deficit	5706	4612	5862	4637	3694	3389	2992	2730	6381	8165	9093	10290	9538	6422
62 1990 Regional Report Surplus Deficit	5306	4455	6132	5024	4471	4370	5186	7687	7198	7924	9018	10048	10681	8207
63 1991 Regional Report Surplus Deficit	7375	7002	6353	4759	6436	4834	5754	7896	7347	8228	4983	10122	10569	8682
64 1992 Regional Report Surplus Deficit	7414	7073	6276	4825	3770	2234	3656	4706	4861	4168	1677	9362	7740	3789
65 1993 Regional Report Surplus Deficit	4406	2967	5161	4454	3183	2526	2225	1896	5126	5419	1337	10338	10144	7428
66 1994 Regional Report Surplus Deficit	6257	5164	6413	4816	3565	2605	2492	4350	3961	4426	4001	8880	8274	6710
67 1995 Regional Report Surplus Deficit	5341	3652	5970	4723	2699	2781	4321	6759	7871	6348	1413	10702	10916	8387
68 1996 Regional Report Surplus Deficit	6627	5314	7181	7014	6650	5833	6736	9058	9492	10342	9752	10861	10949	8836
69 1997 Regional Report Surplus Deficit	7505	7156	7193	5480	4714	5023	6741	8549	9458	9911	8939	10577	10638	9018
70 1998 Regional Report Surplus Deficit	7554	7694	9111	9025	6302	4264	4976	7857	6624	5442	2682	10863	11221	8563
71 1999 Regional Report Surplus Deficit	7441	5863	6263	5178	3364	4939	6225	8343	9350	8503	8339	10436	11165	9167
72 2000 Regional Report Surplus Deficit	7798	7936	8007	5542	6608	5311	5414	7256	7573	9971	9422	10470	9212	8058
73 2001 Regional Report Surplus Deficit	7202	4673	5733	5223	3630	2496	3054	3825	3690	4294	879	6850	7498	4215
74 2002 Regional Report Surplus Deficit	4948	2963	4789	3510	3115	3172	2821	4416	4951	7469	8442	9870	10802	8625
75 2003 Regional Report Surplus Deficit	6824	5638	6323	5050	3823	2530	3073	5186	7400	6751	4487	8982	10733	6632
76 2004 Regional Report Surplus Deficit	5168	3485	5669	4683	3956	3674	3429	3941	5131	6043	3703	9566	9865	6711
77 2005 Regional Report Surplus Deficit	5772	5109	7894	5740	4102	4014	4470	6873	4994	4253	1656	9697	9620	7363

Regional Report Surplus Deficit By Water Year

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2018 White Book Report Date: **12/1/2018** *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	6252	4038	6188	4520	4343	3750	5736	8093	7169	10137	9133	10705	11094	7935
79 2007 Regional Report Surplus Deficit	5785	4469	5794	4506	4345	3944	5136	6332	8800	8174	4272	10348	9995	8064
80 2008 Regional Report Surplus Deficit	6180	4133	5709	4794	3592	2751	3611	4917	5329	5874	2062	10354	11428	8775
Ranked Averages														
81 Bottom 10 pct	4805	3240	5479	4312	3354	3548	4013	5397	5701	6465	4292	9433	10075	7730
82 Middle 80 pct	6644	5660	6844	5566	4403	3889	4755	6583	6733	7374	5580	9967	10248	7656
83 Top 10 pct	7630	7443	8281	6204	5121	4401	5236	6916	7101	8721	6528	9966	9959	7534

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Regional Report Surplus Deficit By Water Year

Operating Year 2021

2018 White Book Report Date: 12/1/2018

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	6053	5087	6305	5040	3935	1435	1089	2087	2436	3963	649	5527	7709	3193
2 1930 Regional Report Surplus Deficit	4950	3578	5920	4683	3490	1164	-156	2130	2353	3840	1705	5558	6216	5075
3 1931 Regional Report Surplus Deficit	5209	3731	5894	4728	3241	1429	-78.5	1691	2143	3651	107	5271	5332	4053
4 1932 Regional Report Surplus Deficit	4995	2977	5495	4211	2763	1317	1096	-264	5009	7777	7543	9340	8558	6658
5 1933 Regional Report Surplus Deficit	6382	5079	6713	4854	3566	3451	4164	5591	5102	6155	4113	8056	9020	7195
6 1934 Regional Report Surplus Deficit	7840	7374	7198	6238	6733	4881	5238	6585	7166	8390	7091	8677	7095	3895
7 1935 Regional Report Surplus Deficit	4136	3772	5215	4490	2904	2202	4085	5310	5279	4529	4934	8221	7208	6699
8 1936 Regional Report Surplus Deficit	7519	4403	5760	4659	3691	1333	99.2	889	2619	4213	7116	9697	8375	5946
9 1937 Regional Report Surplus Deficit	4699	3517	5478	4742	3646	1379	-363	93.5	1818	3740	108	5772	7306	4516
10 1938 Regional Report Surplus Deficit	5566	3757	6066	4708	3609	2844	3632	4693	6568	8441	7530	8755	8034	6854
11 1939 Regional Report Surplus Deficit	4752	3383	6151	4821	3559	1438	2916	3731	3875	5195	5698	8531	6578	5288
12 1940 Regional Report Surplus Deficit	4726	3441	5766	4849	4109	2775	2961	3113	6068	6882	4587	8786	6380	3013
13 1941 Regional Report Surplus Deficit	3770	2525	5636	4470	3743	2433	1770	2649	3368	3276	-418	5149	5780	4056
14 1942 Regional Report Surplus Deficit	5153	3122	6226	4353	4685	4057	3706	4559	2553	4245	3217	6532	8353	6842
15 1943 Regional Report Surplus Deficit	6249	5627	7122	4970	3242	2386	4559	5694	6436	9224	7956	9125	9096	7341
16 1944 Regional Report Surplus Deficit	6925	5134	6530	4776	3355	1571	1928	2234	2131	3739	-433	5169	5375	2195
17 1945 Regional Report Surplus Deficit	4095	1657	4748	3894	3125	1358	574	1779	2384	3709	35.9	7915	8414	3951
18 1946 Regional Report Surplus Deficit	5139	3526	5996	4518	3776	2930	3561	4776	5515	8756	7674	8764	8028	7109
19 1947 Regional Report Surplus Deficit	7460	6203	7028	4785	4936	5011	4898	6416	6811	8018	5783	9243	8311	6787
20 1948 Regional Report Surplus Deficit	6392	4780	6416	9051	6482	4062	4998	6049	5291	7216	7417	8980	8489	7090
21 1949 Regional Report Surplus Deficit	7789	7464	7480	5575	4437	2627	3257	4424	6817	8297	7736	9665	8038	4169
22 1950 Regional Report Surplus Deficit	4283	3368	5696	4707	3571	2985	4878	6120	7286	8873	6845	8207	9073	7627
23 1951 Regional Report Surplus Deficit	7888	7353	7580	6943	6903	5195	5227	6969	7287	8741	7136	8616	8286	7079
24 1952 Regional Report Surplus Deficit	7533	4946	7082	8585	5875	4154	4793	6377	5450	8981	7781	9291	8423	6892
25 1953 Regional Report Surplus Deficit	6320	4292	5666	4793	3280	1148	2371	6917	4469	3863	3379	9105	9114	7338
26 1954 Regional Report Surplus Deficit	6958	5816	7043	5452	4874	3583	4797	6569	6311	7167	5700	8712	8612	7401
27 1955 Regional Report Surplus Deficit	8145	8164	9536	5683	5888	3351	2652	3376	1660	4059	1592	7692	9231	7423
28 1956 Regional Report Surplus Deficit	7752	6583	6897	6042	6377	5018	5285	6675	6998	8325	6814	8807	9049	7238
29 1957 Regional Report Surplus Deficit	7717	7116	7233	5957	4395	3843	3622	3585	6187	9265	6199	9662	9065	6382
30 1958 Regional Report Surplus Deficit	6855	3834	6151	4770	3903	2653	4500	5762	5161	6144	7026	9500	8802	6018
31 1959 Regional Report Surplus Deficit	6571	4322	6138	5316	5707	4698	5246	6498	5965	8764	5880	8449	8695	7132
32 1960 Regional Report Surplus Deficit	7752	7548	9685	9869	6822	4388	4371	5608	5656	9467	7200	8456	8494	6608
33 1961 Regional Report Surplus Deficit	7226	4222	6135	5245	4751	2906	4068	5895	6974	8215	4479	8838	8357	5978
34 1962 Regional Report Surplus Deficit	6387	4289	5951	4714	4098	2747	4046	5711	3272	6840	7492	9135	8095	6103
35 1963 Regional Report Surplus Deficit	6913	5251	6349	6482	5962	4475	4420	5860	3563	4807	2409	9004	8666	6509
36 1964 Regional Report Surplus Deficit	6253	4464	7230	4714	4158	2907	3244	4229	2778	6303	3939	8687	9235	7401
37 1965 Regional Report Surplus Deficit	7760	7298	8235	6783	5510	4972	5156	6873	6972	6416	7441	8321	8426	6931
38 1966 Regional Report Surplus Deficit	7831	7208	6541	5832	4564	3250	3964	5141	3656	7300	4978	7611	7897	6445

Regional Report Surplus Deficit By Water Year

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2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	6830	4332	6289	4633	3719	3743	4967	6236	6449	6693	2252	8214	8873	7141
40 1968 Regional Report Surplus Deficit	7331	6436	7126	5472	5150	3255	4567	6289	6814	3670	1555	7546	8500	6737
41 1969 Regional Report Surplus Deficit	7396	7094	8680	7101	6506	4109	5018	6335	6716	8625	7278	9154	8742	6930
42 1970 Regional Report Surplus Deficit	5973	4338	6397	5637	4555	2406	4406	5926	4497	4153	1969	9085	8948	6247
43 1971 Regional Report Surplus Deficit	5958	3893	5952	4854	3913	3080	5037	6482	7551	8742	6937	8693	9231	7508
44 1972 Regional Report Surplus Deficit	8008	7925	7686	6130	4867	3674	5014	6456	7426	8717	6914	8319	8581	7282
45 1973 Regional Report Surplus Deficit	7920	8016	7914	5922	4980	3299	4092	5119	3305	3904	-701	5421	5852	4201
46 1974 Regional Report Surplus Deficit	5380	2540	5923	4697	3721	4232	5334	6572	7086	8183	6647	7549	8749	7661
47 1975 Regional Report Surplus Deficit	8043	8046	7618	4738	3943	2632	4230	5446	6570	4875	3710	8634	9062	7668
48 1976 Regional Report Surplus Deficit	7455	6893	7983	7484	6798	5189	5405	6637	7067	8744	6989	8824	8723	7266
49 1977 Regional Report Surplus Deficit	8363	8501	10021	6044	4095	1741	2025	2456	1981	3499	-428	4987	5091	1820
50 1978 Regional Report Surplus Deficit	3912	1931	4386	3384	3372	3163	3820	4800	4805	8795	5782	8847	7718	6907
51 1979 Regional Report Surplus Deficit	7039	5340	8587	6028	4655	1960	2890	3078	5229	4359	4359	9717	6985	3494
52 1980 Regional Report Surplus Deficit	4257	2868	5998	4814	3664	1251	3270	3116	2612	6215	6474	10015	8674	6329
53 1981 Regional Report Surplus Deficit	4271	3267	6236	4737	4630	4472	4883	6513	3879	3633	2674	9112	8929	6945
54 1982 Regional Report Surplus Deficit	7735	7429	7044	5250	5162	3224	4785	6847	7736	8924	5809	8349	9105	7713
55 1983 Regional Report Surplus Deficit	7904	7909	8870	7238	5388	3846	5126	6645	7650	8382	5243	8860	8492	7304
56 1984 Regional Report Surplus Deficit	7857	7770	7959	5788	7103	4148	5040	6424	7309	8019	7212	9312	9136	7255
57 1985 Regional Report Surplus Deficit	7662	5612	7910	5876	5400	3284	3533	4351	3707	7602	6716	9042	6750	4457
58 1986 Regional Report Surplus Deficit	4309	3110	6226	6255	6061	3320	4487	6697	8080	9196	7261	8836	8285	5752
59 1987 Regional Report Surplus Deficit	6200	3445	6187	4633	4852	3291	2948	2659	4623	4391	3686	8907	6482	3134
60 1988 Regional Report Surplus Deficit	4552	2951	5656	4392	2681	999	272	1543	2213	3840	2973	5945	6644	5536
61 1989 Regional Report Surplus Deficit	5536	3774	5882	4430	3888	2470	1534	865	4926	7081	7402	8899	7127	4931
62 1990 Regional Report Surplus Deficit	4845	3666	5991	4813	4695	3530	4051	5972	5612	6800	7448	8671	8561	6624
63 1991 Regional Report Surplus Deficit	7290	6221	6238	4557	6604	4030	4646	6184	5867	7212	4700	8727	8384	6962
64 1992 Regional Report Surplus Deficit	7742	6777	6298	4621	3962	1177	2258	2863	3314	3401	1788	7751	5412	2231
65 1993 Regional Report Surplus Deficit	4087	2375	5371	4243	3387	1537	734	114	3507	4443	1351	9251	7763	6023
66 1994 Regional Report Surplus Deficit	5374	3748	5725	4605	3783	1641	1002	2503	2435	3663	4069	6879	5908	5193
67 1995 Regional Report Surplus Deficit	4747	2693	5862	4512	2848	1804	2985	4987	6308	5291	1366	9400	8675	6718
68 1996 Regional Report Surplus Deficit	6521	4211	6726	6944	6815	5075	5207	6983	7604	9022	7832	8854	8722	7064
69 1997 Regional Report Surplus Deficit	7725	7101	7145	5270	4939	4214	5352	6635	7388	8353	7066	8550	8530	7242
70 1998 Regional Report Surplus Deficit	7782	7991	8866	9534	6499	3387	3742	6100	5015	4513	2744	9744	8971	6918
71 1999 Regional Report Surplus Deficit	7736	6646	6323	4970	3500	4100	5090	6411	7341	7608	7101	8663	9136	7363
72 2000 Regional Report Surplus Deficit	8425	8348	7769	5332	6773	4526	4343	5505	6008	9156	7741	9062	6783	6409
73 2001 Regional Report Surplus Deficit	7234	3605	6067	5012	3813	1485	1482	2109	2110	3462	-340	5176	5183	2593
74 2002 Regional Report Surplus Deficit	4313	1853	4628	3308	3291	2236	1334	2503	3334	6412	7092	8285	8617	6934
75 2003 Regional Report Surplus Deficit	5769	4588	6061	4842	4033	1529	1596	3279	5823	5675	4346	6836	8473	5043
76 2004 Regional Report Surplus Deficit	4098	2939	5313	4472	4184	2796	1996	2033	3512	5002	3658	7628	7508	5133
77 2005 Regional Report Surplus Deficit	4124	4310	7258	5565	4323	3151	3317	5049	3375	3422	1746	7946	7221	5775

Regional Report Surplus Deficit By Water Year
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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	5240	3029	5695	4310	4570	2870	4758	6409	5584	9068	7433	9381	8933	6309
79 2007 Regional Report Surplus Deficit	5144	3026	5193	4302	4572	3072	4084	4460	7238	7193	4209	9140	7656	6430
80 2008 Regional Report Surplus Deficit	4981	3123	4918	4586	3815	1792	2202	3008	3710	4880	2055	9169	9258	7027
Ranked Averages														
81 Bottom 10 pct	4060	2797	5491	4416	3588	2236	2446	3106	3605	4924	2945	8121	7536	5609
82 Middle 80 pct	6341	4832	6521	5379	4588	3046	3549	4784	5218	6576	5059	8369	8093	6072
83 Top 10 pct	8087	8033	8374	6004	5355	3533	4089	5247	5236	6417	3901	7699	7672	6148

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Regional Report Surplus Deficit By Water Year

Operating Year 2022

2018 White Book Report Date: 12/1/2018

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	4976	3955	5173	3476	2385	420	141	1361	1842	2147	-940	5203	8410	2522
2 1930 Regional Report Surplus Deficit	3785	2344	4790	3117	1909	167	-934	1415	1765	2309	60.6	5414	6908	4437
3 1931 Regional Report Surplus Deficit	4121	2510	4689	3162	1649	352	-874	969	1546	2079	-1473	5302	5784	3410
4 1932 Regional Report Surplus Deficit	3945	1765	4366	2648	1207	280	170	-740	4146	5859	5447	9028	9138	6186
5 1933 Regional Report Surplus Deficit	5337	3951	5651	3288	2008	2124	2614	4647	4256	4461	2416	7328	9716	6847
6 1934 Regional Report Surplus Deficit	6590	6331	6146	4694	4149	3595	4018	5624	6224	6027	5149	7467	7714	3219
7 1935 Regional Report Surplus Deficit	2833	2560	4070	2923	1214	1075	2549	4364	4361	3042	3062	7364	7981	6236
8 1936 Regional Report Surplus Deficit	6425	3202	4618	3095	2141	300	-663	241	2000	2685	5009	9126	8977	5372
9 1937 Regional Report Surplus Deficit	3495	2245	4320	3175	2031	312	-1125	-494	1255	1924	-1479	5858	8065	3849
10 1938 Regional Report Surplus Deficit	4449	2510	4943	3143	2057	1647	2200	3749	5609	6306	5776	8494	8695	6416
11 1939 Regional Report Surplus Deficit	3473	2085	5048	3255	2001	469	1761	2849	3207	3643	3824	7823	7384	4663
12 1940 Regional Report Surplus Deficit	3471	2164	4545	3283	2461	1536	1640	2349	5158	5176	2744	7910	7168	2342
13 1941 Regional Report Surplus Deficit	2472	1211	4434	2905	2091	1249	742	1885	2705	1700	-2002	5089	6566	3404
14 1942 Regional Report Surplus Deficit	4073	1876	5064	2791	2965	2657	2255	3641	1956	2720	1467	6580	8919	6442
15 1943 Regional Report Surplus Deficit	5193	4483	6046	3403	1627	1269	2954	4741	5363	6864	6135	8076	9653	6895
16 1944 Regional Report Surplus Deficit	5915	3974	5330	3216	1806	564	907	1414	1577	1923	-2047	4846	6024	1499
17 1945 Regional Report Surplus Deficit	3007	344	3537	2331	1573	284	-241	1098	1805	1893	-1534	7222	8988	3263
18 1946 Regional Report Surplus Deficit	3997	2259	4783	2957	2219	1721	2178	3888	4668	6400	5900	8546	8686	6712
19 1947 Regional Report Surplus Deficit	6419	5138	5886	3229	3249	3619	3528	5413	5793	6175	3906	8724	8895	6371
20 1948 Regional Report Surplus Deficit	5354	3612	5250	7594	4078	2685	3400	5116	4484	5374	5325	9504	9016	6693
21 1949 Regional Report Surplus Deficit	6519	6418	6393	4011	2837	1441	1844	3518	5801	6224	5665	9169	8692	3490
22 1950 Regional Report Surplus Deficit	2924	2054	4547	3147	2018	1712	3384	5209	6399	6497	4817	7749	9755	7218
23 1951 Regional Report Surplus Deficit	6651	6312	6479	5419	4380	3849	4046	5901	6326	6376	5406	8396	8898	6687
24 1952 Regional Report Surplus Deficit	6473	3787	5936	7135	3840	2772	3207	5444	4628	6623	6052	9418	9014	6458
25 1953 Regional Report Surplus Deficit	5297	3038	4442	3230	1726	119	1349	5976	3725	2047	1661	8120	9711	6907
26 1954 Regional Report Surplus Deficit	5870	4629	5892	3887	3183	2259	3205	5601	5249	5531	3831	8352	9074	7026
27 1955 Regional Report Surplus Deficit	6596	6949	8982	4120	3745	2032	1490	2583	1106	2465	-47.0	7048	9754	7043
28 1956 Regional Report Surplus Deficit	6549	5522	5729	4485	4025	3646	4028	5712	6056	5958	5071	9220	9518	6843
29 1957 Regional Report Surplus Deficit	6535	5995	6095	4398	2810	2496	2165	2798	5226	6998	4202	9944	9612	5848
30 1958 Regional Report Surplus Deficit	5844	2583	4944	3207	2346	1487	2924	4807	4349	4594	4951	9412	9311	5449
31 1959 Regional Report Surplus Deficit	5464	3032	4937	3751	3661	3284	3920	5555	5042	6498	3982	7863	9186	6733
32 1960 Regional Report Surplus Deficit	6589	6502	9267	8333	4238	2974	2835	4496	4762	7112	5101	7676	9064	6138
33 1961 Regional Report Surplus Deficit	6201	2970	4945	3679	3083	1684	2494	4947	5952	6180	2680	7932	8849	5439
34 1962 Regional Report Surplus Deficit	5361	3119	4808	3154	2533	1537	2591	4612	2607	5258	5471	8093	8739	5551
35 1963 Regional Report Surplus Deficit	5902	4124	5220	4942	3829	3062	2755	4910	2897	3311	734	8200	9212	6034
36 1964 Regional Report Surplus Deficit	5232	3279	6115	3152	2593	1690	1990	3315	2158	4735	2176	7941	9828	7011
37 1965 Regional Report Surplus Deficit	6606	6257	7359	5268	3563	3665	4031	5849	6030	4968	5693	8552	8995	6506
38 1966 Regional Report Surplus Deficit	6601	6100	5358	4276	2928	1977	2543	4110	2989	5597	3127	7170	8573	5949

Regional Report Surplus Deficit By Water Year

Operating Year 2022

2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	5821	3127	5162	3069	2170	2398	3451	5267	5478	5144	575	7673	9456	6760
40 1968 Regional Report Surplus Deficit	6297	5369	6087	3909	3343	1968	2982	5351	5799	2067	-64.9	7186	9037	6290
41 1969 Regional Report Surplus Deficit	6333	6061	7957	5603	4093	2737	3735	5375	5510	6200	5552	9297	9262	6504
42 1970 Regional Report Surplus Deficit	4893	3135	5275	4074	2926	1273	2852	4984	3638	2691	373	8095	9510	5680
43 1971 Regional Report Surplus Deficit	4873	2624	4805	3289	2358	1847	3952	5516	6607	6368	5007	9227	9743	7068
44 1972 Regional Report Surplus Deficit	6772	6862	6582	4573	3235	2373	3768	5538	6523	6333	4872	8903	9179	6868
45 1973 Regional Report Surplus Deficit	6642	6925	6864	4363	3304	2045	2605	4215	2655	2088	-2294	5141	6636	3528
46 1974 Regional Report Surplus Deficit	4284	1227	4712	3131	2166	2811	4237	5608	6138	5806	4899	8135	9431	7244
47 1975 Regional Report Surplus Deficit	6717	6956	6613	3183	2395	1487	2729	4454	5555	3475	1934	8157	9605	7148
48 1976 Regional Report Surplus Deficit	6417	5838	6962	5989	4284	3903	4007	5676	6022	6380	4950	9244	9279	6895
49 1977 Regional Report Surplus Deficit	6692	7144	9675	4490	2538	678	818	1797	1427	1683	-1998	4759	5524	1122
50 1978 Regional Report Surplus Deficit	2827	669	3238	1851	1823	1818	2371	3844	4106	6404	3845	8383	8413	6479
51 1979 Regional Report Surplus Deficit	6029	4198	7735	4483	3003	904	1590	2314	4445	2778	2589	8675	7765	2800
52 1980 Regional Report Surplus Deficit	3007	1555	4864	3248	2111	321	1972	2349	2030	4609	4455	9449	9225	5790
53 1981 Regional Report Surplus Deficit	3007	1974	5067	3171	2945	3051	3369	5571	3188	1817	1007	8042	9445	6562
54 1982 Regional Report Surplus Deficit	6511	6385	6009	3684	3331	1954	3166	5820	6728	6553	3870	8516	9657	7264
55 1983 Regional Report Surplus Deficit	6745	6846	8040	5730	3560	2484	3529	5689	6699	6353	3371	8237	9070	6888
56 1984 Regional Report Surplus Deficit	6691	6646	6913	4225	4522	2773	3414	5489	6306	6141	5132	8383	9707	6846
57 1985 Regional Report Surplus Deficit	6596	4470	6860	4311	3642	2041	2169	3421	3027	5801	4639	8050	7535	3788
58 1986 Regional Report Surplus Deficit	2949	1796	5028	4704	3935	2035	2913	5791	7062	6882	5149	7831	8875	5149
59 1987 Regional Report Surplus Deficit	5145	2173	4975	3077	3154	2015	1723	1906	3886	2703	2040	7794	7262	2435
60 1988 Regional Report Surplus Deficit	3293	1638	4509	2827	1128	69.9	-523	837	1621	2024	1260	5951	7431	4932
61 1989 Regional Report Surplus Deficit	4380	2468	4674	2866	2327	1286	523	264	4117	5398	5369	7922	7898	4281
62 1990 Regional Report Surplus Deficit	3574	2326	4780	3247	3013	2189	2570	4982	4809	5161	5350	7499	9055	6146
63 1991 Regional Report Surplus Deficit	6178	5070	5032	2998	4022	2629	3248	5199	4904	5569	2957	7771	8931	6582
64 1992 Regional Report Surplus Deficit	6558	5721	5172	3060	2402	248	1114	2099	2655	1585	124	7067	6172	1560
65 1993 Regional Report Surplus Deficit	2888	1091	4223	2677	1807	470	-153	-462	2838	2947	-337	8302	8485	5324
66 1994 Regional Report Surplus Deficit	4189	2428	4511	3039	2149	530	96.4	1748	1845	1848	2276	6732	6700	4563
67 1995 Regional Report Surplus Deficit	3610	1409	4657	2946	1290	716	1742	4031	5333	3760	-253	8360	9241	6258
68 1996 Regional Report Surplus Deficit	5399	2921	5600	5438	4230	3790	4189	6020	6659	6657	6096	8805	9283	6661
69 1997 Regional Report Surplus Deficit	6515	5996	6013	3703	3237	2812	4230	5671	6439	5972	5307	9008	9019	6834
70 1998 Regional Report Surplus Deficit	6609	6845	8014	8045	4132	2132	2346	5163	4256	3006	1063	9333	9529	6483
71 1999 Regional Report Surplus Deficit	6426	5520	5114	3407	1929	2714	3741	5493	6446	5651	5073	8207	9685	7001
72 2000 Regional Report Surplus Deficit	6869	7181	6708	3765	4188	3106	2797	4552	5079	6931	5720	8106	7575	5921
73 2001 Regional Report Surplus Deficit	6138	2246	4855	3446	2262	457	532	1190	1538	1647	-1911	5197	5616	1907
74 2002 Regional Report Surplus Deficit	3142	473	3405	1775	1742	1079	395	1750	2680	4760	5019	7482	9101	6541
75 2003 Regional Report Surplus Deficit	4654	3376	4931	3340	2499	483	612	2473	4919	4113	2551	6797	9023	4405
76 2004 Regional Report Surplus Deficit	2662	1549	4086	2905	2402	1549	908	1314	2850	3470	1929	7258	8204	4496
77 2005 Regional Report Surplus Deficit	2749	3031	6204	4013	2663	1837	1859	4123	2699	1606	34.5	7335	7969	5181

Regional Report Surplus Deficit By Water Year
Operating Year 2022
2018 White Book Report Date: **12/1/2018** *Continued*
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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	4049	1682	4474	2745	2838	1629	3183	5404	4734	6696	5399	9001	9399	5786
79 2007 Regional Report Surplus Deficit	3856	1638	3974	2740	2844	1806	2518	3553	6201	5391	2428	8056	8336	5917
80 2008 Regional Report Surplus Deficit	3667	1735	3704	3020	2137	674	1074	2224	3031	3370	436	8227	9794	6630
Ranked Averages														
81 Bottom 10 pct	2788	1745	4479	3141	2244	1468	1822	3258	4128	4068	2062	7414	8281	5436
82 Middle 80 pct	5205	3604	5414	3790	2753	1759	2158	3731	4155	4525	3039	7927	8689	5518
83 Top 10 pct	6722	6859	7234	4469	3515	2349	2963	4704	5071	4922	2768	7510	8274	5626

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Regional Report Surplus Deficit By Water Year

Operating Year 2023

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	3783	3052	4038	2444	1276	-580	-533	719	919	2340	-988	3638	6651	2308
2 1930 Regional Report Surplus Deficit	2699	1540	3664	2067	798	-828	-1544	816	851	2289	5.15	3859	5415	4228
3 1931 Regional Report Surplus Deficit	2970	1702	3564	2101	545	-666	-1496	365	619	2147	-1512	3887	4358	3203
4 1932 Regional Report Surplus Deficit	2700	954	3242	1621	147	-727	-520	-1126	3161	5787	5994	8003	7377	5877
5 1933 Regional Report Surplus Deficit	4083	3042	4532	2247	958	1117	1812	3839	3358	4244	2475	6861	7951	6446
6 1934 Regional Report Surplus Deficit	4976	4959	5022	3620	4121	2799	3261	5041	5506	6064	5503	6987	5904	3018
7 1935 Regional Report Surplus Deficit	1867	1749	2943	1870	464	29.7	1738	3557	3515	2916	3181	6846	6328	5919
8 1936 Regional Report Surplus Deficit	4857	2386	3491	2063	1034	-706	-1266	-298	1049	2627	5492	8074	7185	5132
9 1937 Regional Report Surplus Deficit	2448	1447	3192	2126	945	-704	-1728	-979	396	2116	-1525	4485	6399	3648
10 1938 Regional Report Surplus Deficit	3308	1709	3818	2108	984	598	1394	2992	4811	6346	5920	7746	6938	6079
11 1939 Regional Report Surplus Deficit	2489	1286	3926	2213	950	-514	917	2187	2248	3474	4032	7204	5828	4449
12 1940 Regional Report Surplus Deficit	2468	1366	3418	2222	1404	487	824	1700	4268	5003	2832	7301	5588	2128
13 1941 Regional Report Surplus Deficit	1524	174	3309	1867	1010	197	18.6	1254	1734	1774	-2046	3601	4978	3200
14 1942 Regional Report Surplus Deficit	2881	1075	3944	1766	1933	1707	1455	2838	1029	2686	1469	5722	7164	6070
15 1943 Regional Report Surplus Deficit	3866	3575	4931	2346	717	244	2186	3932	4553	6900	6419	7394	7875	6563
16 1944 Regional Report Surplus Deficit	4517	3104	4196	2205	704	-433	120	886	732	2115	-1992	3281	4543	1289
17 1945 Regional Report Surplus Deficit	1855	-503	2411	1304	460	-733	-876	530	910	2086	-1562	6597	7227	3060
18 1946 Regional Report Surplus Deficit	2885	1460	3653	1941	1103	678	1477	2886	3725	6438	6095	7751	6926	6338
19 1947 Regional Report Surplus Deficit	4908	4122	4760	2229	2219	2807	2781	4663	5088	6136	4143	7812	7124	6016
20 1948 Regional Report Surplus Deficit	4083	2773	4118	6608	3795	1731	2655	4303	3567	5218	5825	7951	7247	6315
21 1949 Regional Report Surplus Deficit	4905	5011	5274	2943	1739	406	1038	2718	5096	6199	6156	8118	6950	3289
22 1950 Regional Report Surplus Deficit	1901	724	3415	2131	949	666	2640	4666	5663	6534	5209	7181	8013	6792
23 1951 Regional Report Surplus Deficit	5037	4991	5356	4354	4234	3047	3296	5385	5705	6414	5548	7599	7145	6298
24 1952 Regional Report Surplus Deficit	4936	2940	4802	6088	3129	1818	2462	4631	3697	6661	6202	8263	7249	6118
25 1953 Regional Report Surplus Deficit	3965	2231	3313	2201	612	-886	544	5222	2784	2239	1640	7492	7950	6544
26 1954 Regional Report Surplus Deficit	4476	3682	4771	2823	2150	1234	2420	4939	4477	5383	4045	7657	7288	6636
27 1955 Regional Report Surplus Deficit	5099	5273	7913	3050	3144	1021	709	1858	261	2552	-109	6434	8004	6634
28 1956 Regional Report Surplus Deficit	4938	4427	4602	3410	3649	2838	3263	5153	5491	5997	5222	7777	7751	6459
29 1957 Regional Report Surplus Deficit	4960	4762	4971	3324	1701	1489	1366	2071	4356	7091	4498	8627	7824	5581
30 1958 Regional Report Surplus Deficit	4486	1784	3818	2178	1229	462	2144	3998	3391	4370	5351	8224	7572	5208
31 1959 Regional Report Surplus Deficit	4170	2221	3811	2687	2945	2425	3188	4955	4199	6538	4211	7311	7412	6360
32 1960 Regional Report Surplus Deficit	4987	5103	8209	7332	4210	2112	2009	3849	3846	7150	5616	7064	7299	5827
33 1961 Regional Report Surplus Deficit	4724	2164	3813	2617	2036	644	1714	4136	5285	6195	2794	7349	7071	5177
34 1962 Regional Report Surplus Deficit	4058	2282	3679	2138	1416	507	1781	3854	1658	5035	5954	7477	6969	5300
35 1963 Regional Report Surplus Deficit	4492	3239	4091	3870	3222	2163	2017	4100	1936	3191	689	7591	7467	5728
36 1964 Regional Report Surplus Deficit	3914	2453	4997	2129	1476	647	1140	2587	1235	4501	2193	7267	8064	6666
37 1965 Regional Report Surplus Deficit	4975	4927	6253	4209	2780	2871	3264	5252	5461	4671	5840	7294	7214	6156
38 1966 Regional Report Surplus Deficit	5003	4852	4216	3201	1848	942	1684	3422	2035	5419	3224	6500	6791	5657

Regional Report Surplus Deficit By Water Year

Operating Year 2023

2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	4403	2313	4032	2037	1084	1398	2718	4721	4737	4945	531	7165	7659	6369
40 1968 Regional Report Surplus Deficit	4799	4299	4972	2839	2394	931	2206	4539	5099	2180	-126	6504	7285	5963
41 1969 Regional Report Surplus Deficit	4796	4796	6868	4543	3825	1787	2977	4849	5023	6237	5697	8130	7496	6156
42 1970 Regional Report Surplus Deficit	3701	2319	4144	3004	1852	246	2066	4172	2671	2719	320	7446	7732	5435
43 1971 Regional Report Surplus Deficit	3688	1822	3672	2251	1243	802	3180	5003	5857	6406	5337	7660	7975	6696
44 1972 Regional Report Surplus Deficit	5158	5336	5460	3499	2164	1351	3040	4975	5911	6369	5291	7288	7401	6522
45 1973 Regional Report Surplus Deficit	5030	5299	5751	3289	2275	993	1808	3407	1693	2281	-2260	3533	5039	3327
46 1974 Regional Report Surplus Deficit	3116	412	3583	2090	1103	1865	3438	5092	5574	5844	5044	6519	7740	6864
47 1975 Regional Report Surplus Deficit	5112	5334	5498	2183	1295	449	1907	3711	4754	3299	1958	7541	7851	6889
48 1976 Regional Report Surplus Deficit	4911	4705	5844	4916	4136	3107	3261	5037	5421	6418	5405	7796	7529	6507
49 1977 Regional Report Surplus Deficit	5306	5467	8617	3415	1422	-337	95.9	1076	582	1876	-2024	3135	4097	911
50 1978 Regional Report Surplus Deficit	1675	-130	2110	863	726	765	1570	3090	3050	6442	4045	7766	6665	6133
51 1979 Regional Report Surplus Deficit	4632	3304	6641	3408	1950	-109	774	1668	3485	2732	2659	7934	6143	2593
52 1980 Regional Report Surplus Deficit	2000	443	3737	2199	997	-654	1165	1702	1128	4391	4765	8538	7476	5531
53 1981 Regional Report Surplus Deficit	2011	1176	3935	2122	1920	2144	2657	4766	2204	2009	974	7327	7673	6173
54 1982 Regional Report Surplus Deficit	4898	4983	4890	2629	2420	904	2405	5283	5904	6591	4121	7327	7888	6969
55 1983 Regional Report Surplus Deficit	5115	5321	6955	4677	2653	1474	2779	5135	5901	6313	3536	7433	7293	6522
56 1984 Regional Report Surplus Deficit	5088	5226	5799	3157	4467	1801	2658	4676	5652	6035	5645	7618	7918	6470
57 1985 Regional Report Surplus Deficit	5053	3567	5748	3244	2671	998	1326	2690	2072	5674	5042	7412	5939	3586
58 1986 Regional Report Surplus Deficit	1762	466	3888	3629	3328	1009	2133	4927	6110	6968	5662	7194	7122	4925
59 1987 Regional Report Surplus Deficit	3911	1375	3841	2076	2136	977	918	1274	2909	2653	2056	7210	5644	2224
60 1988 Regional Report Surplus Deficit	2293	512	3380	1788	14.7	-905	-1146	246	701	2216	1236	4516	5841	4710
61 1989 Regional Report Surplus Deficit	3216	1663	3549	1839	1210	247	-185	-234	3152	5194	5862	7293	6257	4076
62 1990 Regional Report Surplus Deficit	2542	1528	3644	2199	1990	1210	1744	4207	3929	4946	5875	7050	7285	5841
63 1991 Regional Report Surplus Deficit	4672	4036	3901	1984	3980	1706	2498	4519	4089	5429	3110	7186	7161	6204
64 1992 Regional Report Surplus Deficit	4931	4558	4043	2040	1285	-727	341	1456	1693	1777	74.5	6440	4661	1346
65 1993 Regional Report Surplus Deficit	1835	293	3096	1631	696	-545	-827	-935	1879	2826	-324	7414	6673	5208
66 1994 Regional Report Surplus Deficit	3031	1620	3370	1995	1080	-493	-586	1114	929	2040	2315	5950	5136	4352
67 1995 Regional Report Surplus Deficit	2513	611	3532	1897	240	-303	942	3228	4508	3574	-321	7708	7486	5940
68 1996 Regional Report Surplus Deficit	4145	2110	4480	4386	4202	2994	3431	5504	5948	6694	6244	7835	7497	6280
69 1997 Regional Report Surplus Deficit	4923	4754	4889	2648	2232	1849	3461	5038	5822	6009	5455	7517	7247	6462
70 1998 Regional Report Surplus Deficit	4971	5284	6921	7073	3809	1086	1533	4351	3306	2922	1021	8165	7782	6143
71 1999 Regional Report Surplus Deficit	4904	4454	3985	2380	914	1737	2998	4934	5807	5550	5535	7460	7882	6600
72 2000 Regional Report Surplus Deficit	5327	5552	5599	2709	4160	2206	2010	3743	4209	7032	6200	7479	6027	5625
73 2001 Regional Report Surplus Deficit	4671	1448	3726	2402	1150	-548	-211	582	658	1839	-1939	3774	4188	1703
74 2002 Regional Report Surplus Deficit	1973	-326	2277	787	638	54.1	-187	1018	1660	4533	5497	6872	7338	6157
75 2003 Regional Report Surplus Deficit	3504	2549	3802	2278	1399	-527	-98.4	1743	4027	3891	2633	5985	7268	4196
76 2004 Regional Report Surplus Deficit	1475	219	2958	1856	1450	502	173	712	1889	3264	1953	6572	6454	4287
77 2005 Regional Report Surplus Deficit	1782	2216	5079	2938	1602	820	1059	3314	1742	1798	39.4	6689	6257	4954

Regional Report Surplus Deficit By Water Year

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	2906	884	3340	1705	1857	592	2379	4666	3850	6734	5889	7905	7632	5514
79 2007 Regional Report Surplus Deficit	2817	613	2846	1720	1819	764	1736	2751	5563	5269	2516	7364	6551	5639
80 2008 Regional Report Surplus Deficit	2650	405	2581	1958	1110	-350	315	1525	2076	3233	381	7409	8052	6254
Ranked Averages														
81 Bottom 10 pct	1722	560	3224	1995	1217	256	623	2056	2604	3509	1369	6585	6463	4711
82 Middle 80 pct	3881	2676	4267	2782	1863	831	1505	3185	3463	4575	3289	6973	6954	5268
83 Top 10 pct	5157	5134	6449	3242	2747	1120	1816	3483	3668	4894	3192	6792	6816	5395

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	3775	2991	3859	2282	1125	-847	-601	824	817	2989	-902	4078	7595	2216
2 1930 Regional Report Surplus Deficit	2678	1373	3468	1897	662	-1099	-1488	866	742	2885	25.4	4309	6224	4100
3 1931 Regional Report Surplus Deficit	2958	1549	3371	1926	411	-919	-1455	428	521	2766	-1408	4301	5131	3076
4 1932 Regional Report Surplus Deficit	2696	809	3050	1462	-20.8	-989	-555	-1475	3135	6446	6181	8363	8327	5717
5 1933 Regional Report Surplus Deficit	4079	2983	4356	2081	788	885	1818	4163	3296	4821	2450	7133	8816	6265
6 1934 Regional Report Surplus Deficit	4878	4888	4850	3432	3843	2441	3227	5382	5605	6719	5634	7294	6843	2904
7 1935 Regional Report Surplus Deficit	1822	1604	2715	1698	233	-215	1741	3870	3421	3501	3164	7101	7215	5759
8 1936 Regional Report Surplus Deficit	4814	2252	3273	1901	883	-969	-1200	-369	976	3196	5630	8432	8134	4990
9 1937 Regional Report Surplus Deficit	2420	1239	2936	1956	814	-959	-1662	-1153	246	2765	-1436	4889	7284	3529
10 1938 Regional Report Surplus Deficit	3295	1528	3632	1944	820	364	1331	3226	4827	7003	6051	8144	7866	5915
11 1939 Regional Report Surplus Deficit	2448	1048	3751	2046	780	-792	883	2328	2212	4010	4052	7456	6667	4317
12 1940 Regional Report Surplus Deficit	2432	1151	3193	2047	1275	256	753	1847	4258	5607	2809	7561	6440	2036
13 1941 Regional Report Surplus Deficit	1475	-95.3	3116	1702	880	-38.8	-46.6	1379	1707	2396	-1950	4034	5835	3076
14 1942 Regional Report Surplus Deficit	2873	895	3770	1607	1805	1468	1403	3112	931	3276	1446	6008	8094	5902
15 1943 Regional Report Surplus Deficit	3862	3532	4733	2172	517	-1.26	2174	4243	4535	7556	6563	7687	8793	6374
16 1944 Regional Report Surplus Deficit	4514	3027	4016	2051	550	-702	94.9	878	573	2764	-1892	3721	5345	1188
17 1945 Regional Report Surplus Deficit	1843	-752	2207	1144	312	-987	-850	517	786	2735	-1434	6849	8172	2950
18 1946 Regional Report Surplus Deficit	2868	1256	3448	1785	958	445	1295	3370	3716	7093	6227	8113	7859	6170
19 1947 Regional Report Surplus Deficit	4885	4084	4592	2080	2091	2540	2810	4935	5060	6794	4158	8157	8065	5848
20 1948 Regional Report Surplus Deficit	4080	2671	3955	6460	3633	1493	2665	4636	3559	5826	5970	8487	8135	6147
21 1949 Regional Report Surplus Deficit	4801	4933	5062	2764	1605	170	979	2981	5068	6863	6288	8477	7879	3176
22 1950 Regional Report Surplus Deficit	1846	422	3181	1975	784	435	2664	4969	5749	7190	5287	7511	8909	6639
23 1951 Regional Report Surplus Deficit	4944	4932	5175	4167	4061	2755	3276	5712	5708	7069	5680	8004	8084	6126
24 1952 Regional Report Surplus Deficit	4906	2846	4643	5923	2994	1580	2471	4964	3663	7317	6333	8798	8194	5954
25 1953 Regional Report Surplus Deficit	3962	2076	3049	2041	465	-1150	526	5553	2739	2888	1623	7768	8825	6380
26 1954 Regional Report Surplus Deficit	4471	3635	4598	2646	2022	1003	2439	5278	4427	5945	4053	8009	8211	6465
27 1955 Regional Report Surplus Deficit	4893	5126	6959	2870	3003	790	630	2066	102	3155	-83.7	6675	8868	6472
28 1956 Regional Report Surplus Deficit	4857	4390	4433	3226	3493	2569	3251	5500	5437	6652	5353	8313	8648	6288
29 1957 Regional Report Surplus Deficit	4912	4714	4801	3141	1566	1257	1312	2275	4332	7818	4534	9164	8701	5433
30 1958 Regional Report Surplus Deficit	4483	1597	3619	2017	1085	224	2118	4305	3379	4922	5434	8576	8467	5057
31 1959 Regional Report Surplus Deficit	4168	2076	3620	2511	2810	2169	3165	5295	4178	7194	4223	7631	8329	6187
32 1960 Regional Report Surplus Deficit	4919	5026	7002	7184	3932	1857	2080	3998	3832	7806	5755	7318	8244	5668
33 1961 Regional Report Surplus Deficit	4708	2006	3638	2441	1908	412	1687	4455	5251	6882	2778	7680	7974	5028
34 1962 Regional Report Surplus Deficit	4055	2177	3480	1983	1275	273	1780	4120	1596	5604	6136	7780	7919	5152
35 1963 Regional Report Surplus Deficit	4485	3169	3903	3682	3081	1915	2017	4415	1900	3762	689	7849	8396	5569
36 1964 Regional Report Surplus Deficit	3912	2334	4816	1972	1335	414	1107	2772	1132	5090	2168	7574	8930	6502
37 1965 Regional Report Surplus Deficit	4902	4863	5910	4023	2647	2532	3185	5659	5411	5301	5972	7829	8169	5992
38 1966 Regional Report Surplus Deficit	4939	4801	4057	3017	1719	711	1704	3601	1986	6035	3203	6754	7729	5502

Regional Report Surplus Deficit By Water Year

Operating Year 2024

2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	4395	2174	3854	1874	924	1165	2733	5047	4708	5540	529	7469	8549	6201
40 1968 Regional Report Surplus Deficit	4779	4263	4787	2659	2267	701	2183	4868	5075	2784	-90.2	6759	8208	5799
41 1969 Regional Report Surplus Deficit	4765	4744	6295	4359	3661	1548	2975	5185	4765	6894	5829	8664	8440	5990
42 1970 Regional Report Surplus Deficit	3693	2183	3966	2823	1722	3.18	2030	4498	2648	3328	332	7724	8668	5290
43 1971 Regional Report Surplus Deficit	3680	1647	3456	2087	1097	570	3161	5327	5989	7062	5469	8196	8856	6529
44 1972 Regional Report Surplus Deficit	5065	5233	5279	3314	2034	1121	3040	5349	5906	7025	5384	7823	8282	6338
45 1973 Regional Report Surplus Deficit	4923	5176	5530	3106	2148	761	1760	3708	1647	2930	-2160	3973	5899	3212
46 1974 Regional Report Surplus Deficit	3106	166	3379	1924	936	1626	3345	5419	5520	6499	5176	7053	8635	6688
47 1975 Regional Report Surplus Deficit	4989	5211	5298	2035	1140	207	1895	3952	4749	3861	1932	7871	8764	6767
48 1976 Regional Report Surplus Deficit	4891	4671	5578	4733	3964	2748	3265	5378	5370	7074	5537	8331	8466	6329
49 1977 Regional Report Surplus Deficit	5039	5236	7252	3230	1277	-593	-28.5	1292	423	2525	-1894	3603	4879	812
50 1978 Regional Report Surplus Deficit	1663	-329	1805	719	570	533	1517	3323	3105	7098	4066	8101	7602	5969
51 1979 Regional Report Surplus Deficit	4628	3240	6148	3221	1822	-367	703	1816	3475	3309	2638	8245	7013	2490
52 1980 Regional Report Surplus Deficit	1964	165	3549	2029	850	-944	1092	1858	1008	4962	4807	8879	8388	5382
53 1981 Regional Report Surplus Deficit	1973	943	3772	1953	1792	1898	2666	5107	2174	2658	964	7642	8587	6002
54 1982 Regional Report Surplus Deficit	4809	4905	4710	2457	2292	673	2401	5631	6110	7246	4151	7861	8786	6784
55 1983 Regional Report Surplus Deficit	5028	5218	6421	4491	2525	1243	2786	5477	6083	6997	3529	7759	8244	6366
56 1984 Regional Report Surplus Deficit	5019	5145	5566	2977	4228	1565	2658	5008	5620	6680	5824	7934	8838	6297
57 1985 Regional Report Surplus Deficit	5019	3505	5521	3066	2544	767	1301	2877	2040	6303	5126	7689	6796	3470
58 1986 Regional Report Surplus Deficit	1683	164	3716	3443	3187	778	2106	5263	6485	7624	5818	7473	8057	4789
59 1987 Regional Report Surplus Deficit	3906	1166	3640	1927	2009	746	841	1397	2897	3241	2030	7497	6514	2129
60 1988 Regional Report Surplus Deficit	2256	233	3169	1623	-133	-1196	-1105	280	596	2865	1220	4935	6694	4572
61 1989 Regional Report Surplus Deficit	3205	1501	3352	1679	1067	11.3	-238	-383	3146	5793	6049	7566	7140	3952
62 1990 Regional Report Surplus Deficit	2512	1327	3449	2030	1862	975	1740	4503	3916	5505	6036	7322	8205	5684
63 1991 Regional Report Surplus Deficit	4650	3999	3710	1830	3723	1463	2520	4799	4055	6054	3100	7465	8106	6028
64 1992 Regional Report Surplus Deficit	4852	4517	3863	1883	1142	-1019	264	1604	1652	2426	81.3	6692	5477	1254
65 1993 Regional Report Surplus Deficit	1808	71.3	2869	1462	560	-801	-845	-1130	1843	3396	-345	7758	7663	4951
66 1994 Regional Report Surplus Deficit	3036	1464	3178	1828	950	-739	-612	1242	821	2689	2289	6221	5978	4221
67 1995 Regional Report Surplus Deficit	2494	393	3335	1727	69.6	-554	865	3503	4493	4110	-279	7991	8413	5779
68 1996 Regional Report Surplus Deficit	4141	1965	4304	4201	3924	2635	3368	5830	6041	7351	6376	8369	8438	6110
69 1997 Regional Report Surplus Deficit	4865	4704	4718	2475	2104	1612	3391	5481	5821	6665	5587	8050	8150	6315
70 1998 Regional Report Surplus Deficit	4911	5174	6427	6929	3650	855	1466	4681	3291	3501	1017	8521	8710	5980
71 1999 Regional Report Surplus Deficit	4878	4418	3787	2220	736	1502	3003	5305	5829	6179	5662	7775	8805	6446
72 2000 Regional Report Surplus Deficit	5175	5429	5361	2536	3882	1958	1976	4052	4193	7704	6362	7775	6855	5467
73 2001 Regional Report Surplus Deficit	4657	1225	3523	2235	1001	-812	-285	652	522	2488	-1812	4191	4970	1595
74 2002 Regional Report Surplus Deficit	1963	-569	1976	643	485	-185	-341	1241	1673	5108	5626	7127	8255	5988
75 2003 Regional Report Surplus Deficit	3492	2432	3612	2102	1266	-787	-153	1940	4010	4453	2610	6262	8209	4068
76 2004 Regional Report Surplus Deficit	1396	-83.6	2677	1686	1323	271	98.7	770	1851	3826	1927	6828	7397	4158
77 2005 Regional Report Surplus Deficit	1737	2080	4877	2752	1473	589	1007	3625	1711	2447	-4.17	6948	7176	4814

Regional Report Surplus Deficit By Water Year

Operating Year 2024

2018 White Book Report Date: **12/1/2018** *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	2893	676	3108	1539	1729	361	2423	4925	3836	7390	6042	8265	8559	5362
79 2007 Regional Report Surplus Deficit	2788	345	2520	1563	1692	533	1705	3022	5530	5884	2499	7673	7494	5484
80 2008 Regional Report Surplus Deficit	2617	102	2228	1782	982	-595	238	1713	2046	3800	400	7734	8914	6087
Ranked Averages														
81 Bottom 10 pct	1679	332	2998	1826	1067	16.4	591	2202	2614	4128	1405	6886	7390	4558
82 Middle 80 pct	3852	2544	4062	2594	1694	546	1438	3360	3342	5136	3266	7317	7868	5124
83 Top 10 pct	5035	4989	5734	3227	2711	1128	2113	4215	4340	6020	3993	7307	7593	5205

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Regional Report Surplus Deficit By Water Year

Operating Year 2025

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	3583	2797	3640	2179	840	-1025	-696	104	668	1546	-1780	2669	6190	2115
2 1930 Regional Report Surplus Deficit	2499	1183	3253	1828	346	-1270	-1571	196	593	1511	-826	2814	4966	4010
3 1931 Regional Report Surplus Deficit	2771	1360	3154	1880	90.6	-1120	-1542	-251	371	1358	-2294	2866	3919	2986
4 1932 Regional Report Surplus Deficit	2499	620	2832	1350	-266	-1176	-667	-1830	2994	5191	5257	7194	6948	5628
5 1933 Regional Report Surplus Deficit	3880	2789	4124	1995	550	615	1575	3407	3195	3587	1616	6032	7567	6167
6 1934 Regional Report Surplus Deficit	4676	4662	4618	3436	3784	2244	3026	4650	5454	5393	4751	6170	5449	2810
7 1935 Regional Report Surplus Deficit	1660	1415	2516	1635	148	-433	1498	3106	3343	2153	2323	6000	5856	5668
8 1936 Regional Report Surplus Deficit	4598	2062	3069	1799	599	-1154	-1283	-953	827	1840	4717	7267	6749	4901
9 1937 Regional Report Surplus Deficit	2246	1049	2751	1886	488	-1157	-1745	-1656	99.1	1322	-2316	3471	5932	3436
10 1938 Regional Report Surplus Deficit	3109	1339	3411	1848	566	122	1144	2502	4619	5672	5167	6980	6474	5823
11 1939 Regional Report Surplus Deficit	2283	857	3523	1963	541	-952	678	1646	2061	2729	3186	6351	5368	4227
12 1940 Regional Report Surplus Deficit	2264	960	2993	2000	947	0.87	575	1118	4094	4394	1971	6462	5126	1935
13 1941 Regional Report Surplus Deficit	1315	-287	2899	1610	553	-276	-179	666	1549	985	-2832	2568	4517	2985
14 1942 Regional Report Surplus Deficit	2681	705	3540	1492	1477	1190	1206	2338	782	1910	611	4803	6724	5807
15 1943 Regional Report Surplus Deficit	3653	3335	4503	2118	356	-217	1956	3472	4358	6230	5679	6574	7477	6291
16 1944 Regional Report Surplus Deficit	4303	2835	3797	1914	272	-877	-94.4	278	427	1321	-2614	2312	4096	1088
17 1945 Regional Report Surplus Deficit	1656	-943	1996	1033	20.1	-1187	-941	-110	638	1292	-2253	5740	6795	2854
18 1946 Regional Report Surplus Deficit	2686	1066	3240	1655	660	198	1227	2387	3552	5766	5343	6938	6462	6074
19 1947 Regional Report Surplus Deficit	4669	3883	4360	1924	1763	2260	2568	4254	4890	5564	3301	7000	6679	5755
20 1948 Regional Report Surplus Deficit	3879	2480	3725	6278	3428	1215	2440	3882	3402	4584	5056	7244	6841	6052
21 1949 Regional Report Surplus Deficit	4601	4705	4831	2734	1283	-68.8	788	2208	4903	5620	5404	7308	6484	3080
22 1950 Regional Report Surplus Deficit	1690	211	2987	1845	533	178	2424	4258	5412	5862	4400	6383	7600	6527
23 1951 Regional Report Surplus Deficit	4741	4710	4943	4171	3886	2497	3070	4977	5556	5743	4796	6847	6695	6026
24 1952 Regional Report Surplus Deficit	4690	2655	4411	5827	2705	1302	2247	4210	3532	5989	5450	7556	6811	5859
25 1953 Regional Report Surplus Deficit	3757	1887	2868	1932	172	-1333	337	4827	2607	1445	786	6665	7558	6275
26 1954 Regional Report Surplus Deficit	4260	3438	4367	2606	1694	738	2192	4537	4299	4756	3210	6846	6871	6387
27 1955 Regional Report Surplus Deficit	4735	4867	6783	2845	2734	521	475	1309	-44.6	1763	-941	5579	7575	6366
28 1956 Regional Report Surplus Deficit	4650	4184	4204	3216	3269	2289	3041	4762	5285	5323	4470	7072	7345	6191
29 1957 Regional Report Surplus Deficit	4698	4498	4569	3128	1248	987	1118	1518	4179	6518	3667	7919	7425	5342
30 1958 Regional Report Surplus Deficit	4275	1407	3405	1909	785	-9.00	1906	3533	3225	3664	4546	7418	7145	4975
31 1959 Regional Report Surplus Deficit	3965	1887	3402	2470	2521	1888	2969	4564	4010	5863	3367	6497	6993	6089
32 1960 Regional Report Surplus Deficit	4709	4797	6815	6936	3873	1576	1784	3400	3676	6480	4843	6216	6864	5574
33 1961 Regional Report Surplus Deficit	4492	1816	3415	2397	1579	162	1475	3688	5086	5629	1953	6536	6667	4939
34 1962 Regional Report Surplus Deficit	3852	1987	3268	1852	968	26.7	1541	3408	1458	4332	5219	6659	6519	5064
35 1963 Regional Report Surplus Deficit	4273	2977	3686	3687	2811	1635	1794	3646	1748	2435	-154	6749	7043	5478
36 1964 Regional Report Surplus Deficit	3707	2145	4584	1852	1028	166	892	2072	997	3837	1333	6452	7656	6412
37 1965 Regional Report Surplus Deficit	4692	4640	5695	4023	2347	2319	3002	4844	5255	3954	5088	6589	6800	5897
38 1966 Regional Report Surplus Deficit	4727	4584	3831	3009	1391	450	1437	2955	1842	4797	2364	5626	6329	5412

Regional Report Surplus Deficit By Water Year

Operating Year 2025

2018 White Book Report Date: 12/1/2018 *Continued*

S166-WB-20190220-091000

1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	4183	1984	3632	1773	661	894	2504	4324	4537	4321	-313	6347	7256	6104
40 1968 Regional Report Surplus Deficit	4563	4059	4555	2632	1944	440	1970	4110	4897	1399	-953	5630	6850	5705
41 1969 Regional Report Surplus Deficit	4549	4527	6101	4351	3460	1270	2758	4449	4799	5564	4944	7423	7049	5896
42 1970 Regional Report Surplus Deficit	3502	1994	3744	2799	1395	-218	1823	3735	2495	1935	-515	6623	7331	5202
43 1971 Regional Report Surplus Deficit	3489	1457	3254	1995	801	317	2952	4595	5836	5732	4586	6953	7579	6433
44 1972 Regional Report Surplus Deficit	4861	4995	5048	3305	1706	854	2826	4567	5704	5699	4491	6582	7004	6235
45 1973 Regional Report Surplus Deficit	4724	4929	5302	3093	1819	508	1561	2934	1495	1487	-2881	2563	4575	3118
46 1974 Regional Report Surplus Deficit	2917	-24.8	3169	1838	689	1347	3167	4684	5368	5173	4292	5813	7335	6627
47 1975 Regional Report Surplus Deficit	4796	4964	5069	1877	865	-17.5	1661	3249	4564	2552	1097	6729	7436	6632
48 1976 Regional Report Surplus Deficit	4675	4463	5353	4722	3788	2551	3046	4646	5207	5748	4653	7090	7105	6246
49 1977 Regional Report Surplus Deficit	4864	4964	7043	3224	979	-789	-136	482	277	1082	-2687	2129	3660	711
50 1978 Regional Report Surplus Deficit	1476	-519	1644	546	298	281	1321	2602	2886	5769	3198	6953	6205	5875
51 1979 Regional Report Surplus Deficit	4418	3047	5946	3223	1493	-561	525	1087	3321	1952	1801	7118	5678	2391
52 1980 Regional Report Surplus Deficit	1796	-26.9	3331	1958	557	-1091	917	1125	860	3721	3936	7729	7045	5294
53 1981 Regional Report Surplus Deficit	1807	753	3543	1881	1464	1617	2444	4363	2021	1215	124	6512	7275	5906
54 1982 Regional Report Surplus Deficit	4604	4677	4478	2397	1974	419	2180	4875	5934	5918	3282	6621	7490	6733
55 1983 Regional Report Surplus Deficit	4828	4980	6221	4488	2207	973	2561	4735	5921	5739	2682	6619	6857	6260
56 1984 Regional Report Surplus Deficit	4808	4915	5339	2947	4129	1289	2435	4252	5441	5434	4899	6803	7518	6206
57 1985 Regional Report Surplus Deficit	4803	3312	5293	3033	2219	511	1076	2177	1889	5065	4237	6585	5477	3376
58 1986 Regional Report Surplus Deficit	1518	-47.0	3496	3441	2917	514	1894	4512	6328	6296	4901	6367	6679	4700
59 1987 Regional Report Surplus Deficit	3710	976	3431	1771	1681	486	675	682	2744	1877	1196	6388	5181	2028
60 1988 Regional Report Surplus Deficit	2089	40.8	2962	1533	-425	-1342	-1192	-379	447	1423	383	3491	5380	4484
61 1989 Regional Report Surplus Deficit	3016	1311	3137	1568	764	-227	-360	-907	2986	4516	5125	6465	5787	3860
62 1990 Regional Report Surplus Deficit	2340	1137	3238	1957	1534	700	1499	3792	3763	4287	5117	6222	6843	5594
63 1991 Regional Report Surplus Deficit	4434	3797	3495	1695	3644	1183	2285	4110	3902	4819	2255	6361	6725	5940
64 1992 Regional Report Surplus Deficit	4644	4307	3641	1759	840	-1165	112	875	1500	984	-764	5583	4208	1153
65 1993 Regional Report Surplus Deficit	1634	-119	2670	1386	244	-998	-950	-1616	1689	2070	-1140	6602	6219	4976
66 1994 Regional Report Surplus Deficit	2840	1275	2968	1748	622	-953	-721	523	673	1246	1454	5048	4678	4132
67 1995 Regional Report Surplus Deficit	2313	203	3120	1656	-169	-759	700	2728	4318	2869	-1145	6884	7057	5684
68 1996 Regional Report Surplus Deficit	3942	1775	4072	4197	3866	2438	3179	5096	5889	6022	5491	7129	7084	6011
69 1997 Regional Report Surplus Deficit	4652	4488	4486	2417	1777	1335	3207	4630	5616	5338	4702	6810	6843	6207
70 1998 Regional Report Surplus Deficit	4699	4932	6225	6717	3437	598	1283	3923	3136	2156	176	7359	7383	5886
71 1999 Regional Report Surplus Deficit	4661	4214	3574	2109	519	1227	2785	4526	5630	4910	4767	6644	7482	6330
72 2000 Regional Report Surplus Deficit	5021	5181	5132	2479	3824	1677	1768	3282	4041	6374	5465	6660	5562	5376
73 2001 Regional Report Surplus Deficit	4442	1034	3313	2154	712	-995	-428	-31.5	375	1045	-2646	2752	3752	1498
74 2002 Regional Report Surplus Deficit	1773	-760	1813	469	205	-415	-356	420	1462	3843	4718	6027	6928	5890
75 2003 Regional Report Surplus Deficit	3305	2242	3395	2057	944	-976	-277	1187	3848	3188	1773	5076	6845	3978
76 2004 Regional Report Surplus Deficit	1230	-294	2505	1616	1000	15.3	-44.5	94.7	1697	2544	1092	5694	5994	4069
77 2005 Regional Report Surplus Deficit	1575	1890	4649	2749	1145	321	810	2854	1558	1005	-796	5826	5793	4726

Regional Report Surplus Deficit By Water Year
Operating Year 2025
2018 White Book Report Date: **12/1/2018** *Continued*
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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	2707	486	2914	1451	1404	105	2154	4252	3679	6064	5152	7097	7213	5274
79 2007 Regional Report Surplus Deficit	2615	154	2370	1440	1364	275	1495	2248	5346	4692	1655	6547	6098	5397
80 2008 Regional Report Surplus Deficit	2447	-108	2088	1738	653	-812	88.0	964	1894	2483	-450	6596	7635	5990
Ranked Averages														
81 Bottom 10 pct	1508	137	2797	1752	790	-220	426	1514	2461	2764	562	5719	6007	4482
82 Middle 80 pct	3655	2344	3849	2514	1419	311	1253	2638	3185	3814	2402	6127	6537	5031
83 Top 10 pct	4840	4753	5511	3191	2477	874	1908	3465	4174	4711	3123	6119	6276	5103

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Regional Report Surplus Deficit By Water Year

Operating Year 2026

2018 White Book Report Date: 12/1/2018

S166-WB-20190220-091000

1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	3411	2559	3460	1917	737	-1883	-1765	-882	-297	1380	-2004	3378	6430	1162
2 1930 Regional Report Surplus Deficit	2303	975	3071	1533	274	-2134	-2652	-840	-372	1276	-1077	3609	5059	3046
3 1931 Regional Report Surplus Deficit	2590	1147	2973	1561	22.5	-1954	-2619	-1278	-593	1157	-2510	3602	3966	2022
4 1932 Regional Report Surplus Deficit	2336	404	2652	1097	-409	-2024	-1719	-3181	2021	4837	5079	7663	7162	4662
5 1933 Regional Report Surplus Deficit	3719	2551	3947	1717	400	-150	654	2457	2182	3211	1347	6433	7651	5210
6 1934 Regional Report Surplus Deficit	4528	4465	4439	3068	3455	1405	2063	3676	4507	5126	4548	6594	5678	1849
7 1935 Regional Report Surplus Deficit	1432	1199	2324	1334	-155	-1250	576	2164	2307	1892	2062	6401	6050	4705
8 1936 Regional Report Surplus Deficit	4465	1843	2881	1537	494	-2004	-2364	-2075	-138	1587	4527	7732	6969	3936
9 1937 Regional Report Surplus Deficit	2041	855	2550	1591	426	-1994	-2826	-2859	-868	1156	-2539	4189	6119	2475
10 1938 Regional Report Surplus Deficit	2926	1135	3232	1580	432	-671	167	1520	3712	5410	4964	7444	6702	4861
11 1939 Regional Report Surplus Deficit	2061	675	3346	1682	392	-1827	-281	622	1098	2401	2950	6757	5502	3262
12 1940 Regional Report Surplus Deficit	2047	769	2802	1682	887	-779	-411	142	3144	3998	1707	6861	5275	982
13 1941 Regional Report Surplus Deficit	1082	-458	2718	1338	492	-1074	-1211	-327	593	787	-3053	3334	4670	2021
14 1942 Regional Report Surplus Deficit	2509	502	3364	1243	1417	433	238	1406	-183	1667	343	5308	6929	4847
15 1943 Regional Report Surplus Deficit	3509	3096	4318	1808	129	-1036	1010	2537	3421	5962	5477	6987	7628	5320
16 1944 Regional Report Surplus Deficit	4162	2600	3617	1687	162	-1737	-1069	-828	-541	1155	-2995	3021	4180	134
17 1945 Regional Report Surplus Deficit	1475	-1122	1812	780	-76.4	-2022	-2014	-1189	-328	1126	-2536	6149	7007	1895
18 1946 Regional Report Surplus Deficit	2496	871	3054	1421	570	-590	131	1664	2602	5500	5140	7413	6694	5115
19 1947 Regional Report Surplus Deficit	4536	3647	4183	1715	1703	1505	1646	3229	3946	5185	3056	7457	6900	4794
20 1948 Regional Report Surplus Deficit	3721	2252	3549	6096	3245	458	1501	2930	2445	4217	4867	7793	6970	5093
21 1949 Regional Report Surplus Deficit	4451	4512	4648	2400	1217	-865	-185	1275	3954	5254	5201	7777	6714	2121
22 1950 Regional Report Surplus Deficit	1450	13.0	2792	1611	396	-600	1500	3263	4635	5597	4184	6812	7745	5584
23 1951 Regional Report Surplus Deficit	4594	4506	4762	3803	3673	1720	2112	4021	4610	5476	4593	7304	6919	5071
24 1952 Regional Report Surplus Deficit	4557	2425	4234	5559	2606	544	1307	3258	2549	5723	5246	8104	7029	4899
25 1953 Regional Report Surplus Deficit	3607	1674	2663	1677	76.9	-2185	-638	3848	1625	1279	521	7068	7660	5326
26 1954 Regional Report Surplus Deficit	4118	3200	4191	2282	1634	-31.8	1275	3572	3313	4336	2951	7310	7046	5410
27 1955 Regional Report Surplus Deficit	4544	4711	6554	2506	2615	-245	-534	360	-1012	1546	-1186	5975	7704	5417
28 1956 Regional Report Surplus Deficit	4507	3954	4027	2862	3105	1534	2087	3795	4339	5059	4266	7620	7483	5233
29 1957 Regional Report Surplus Deficit	4563	4283	4392	2777	1178	222	148	570	3218	6209	3432	8470	7536	4378
30 1958 Regional Report Surplus Deficit	4129	1206	3222	1653	697	-811	954	2599	2264	3313	4332	7876	7302	4002
31 1959 Regional Report Surplus Deficit	3811	1671	3222	2146	2422	1134	2001	3590	3064	5600	3120	6931	7164	5132
32 1960 Regional Report Surplus Deficit	4570	4605	6616	6820	3544	822	916	2293	2718	6213	4653	6618	7079	4614
33 1961 Regional Report Surplus Deficit	4358	1605	3237	2077	1520	-623	523	2749	4137	5273	1676	6980	6809	3973
34 1962 Regional Report Surplus Deficit	3698	1759	3084	1619	887	-762	616	2414	482	3995	5034	7080	6754	4098
35 1963 Regional Report Surplus Deficit	4134	2741	3505	3318	2693	880	852	2709	786	2153	-414	7149	7231	4514
36 1964 Regional Report Surplus Deficit	3556	1921	4404	1607	947	-621	-57.4	1067	18.2	3480	1065	6874	7765	5447
37 1965 Regional Report Surplus Deficit	4552	4438	5491	3658	2259	1496	2021	3969	4313	3692	4885	7135	7004	4938
38 1966 Regional Report Surplus Deficit	4589	4371	3654	2653	1330	-324	540	1895	872	4426	2100	6054	6564	4447

Regional Report Surplus Deficit By Water Year

Operating Year 2026

2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	4044	1767	3453	1510	536	130	1569	3341	3594	3931	-573	6769	7384	5146
40 1968 Regional Report Surplus Deficit	4429	3826	4375	2295	1879	-334	1019	3163	3961	1174	-1193	6059	7044	4744
41 1969 Regional Report Surplus Deficit	4416	4315	5877	3995	3273	513	1810	3484	3651	5300	4742	7970	7275	4935
42 1970 Regional Report Surplus Deficit	3329	1776	3566	2459	1334	-1032	866	2792	1534	1719	-771	7024	7503	4236
43 1971 Regional Report Surplus Deficit	3315	1252	3064	1723	709	-465	1997	3636	4891	5469	4383	7502	7691	5474
44 1972 Regional Report Surplus Deficit	4715	4819	4867	2950	1646	85.4	1876	3658	4807	5432	4282	7129	7117	5283
45 1973 Regional Report Surplus Deficit	4573	4765	5113	2742	1759	-274	596	2002	533	1321	-3262	3273	4734	2157
46 1974 Regional Report Surplus Deficit	2739	-205	2984	1560	548	591	2181	3728	4422	4906	4089	6360	7470	5633
47 1975 Regional Report Surplus Deficit	4638	4800	4883	1671	752	-828	731	2246	3635	2252	830	7171	7599	5713
48 1976 Regional Report Surplus Deficit	4542	4236	5161	4368	3575	1713	2101	3672	4256	5481	4450	7638	7301	5274
49 1977 Regional Report Surplus Deficit	4693	4779	6880	2866	889	-1628	-1193	-414	-691	915	-2997	2903	3714	-243
50 1978 Regional Report Surplus Deficit	1295	-716	1425	355	182	-502	352	1617	1991	5504	2964	7401	6437	4915
51 1979 Regional Report Surplus Deficit	4276	2810	5729	2857	1434	-1402	-461	110	2361	1700	1536	7545	5848	1435
52 1980 Regional Report Surplus Deficit	1580	-195	3151	1665	461	-1979	-72.4	152	-106	3353	3704	8179	7223	4327
53 1981 Regional Report Surplus Deficit	1587	568	3366	1589	1404	863	1502	3401	1060	1049	-139	6942	7422	4947
54 1982 Regional Report Surplus Deficit	4459	4484	4298	2093	1904	-362	1237	3940	5012	5653	3049	7167	7621	5729
55 1983 Regional Report Surplus Deficit	4678	4804	6002	4127	2137	208	1622	3771	4984	5388	2427	7059	7079	5312
56 1984 Regional Report Surplus Deficit	4669	4725	5150	2613	3839	530	1494	3302	4506	5071	4721	7234	7673	5242
57 1985 Regional Report Surplus Deficit	4670	3074	5105	2701	2156	-268	136	1172	926	4694	4024	6989	5631	2415
58 1986 Regional Report Surplus Deficit	1275	-245	3317	3079	2799	-257	942	3558	5370	6031	4715	6773	6892	3734
59 1987 Regional Report Surplus Deficit	3545	783	3245	1563	1621	-289	-323	-308	1783	1632	928	6797	5349	1075
60 1988 Regional Report Surplus Deficit	1871	-126	2775	1259	-521	-2232	-2269	-1426	-518	1256	118	4236	5530	3518
61 1989 Regional Report Surplus Deficit	2838	1102	2955	1314	679	-1024	-1402	-2089	2032	4184	4947	6866	5975	2897
62 1990 Regional Report Surplus Deficit	2131	941	3054	1666	1474	-59.8	576	2797	2802	3896	4934	6623	7040	4629
63 1991 Regional Report Surplus Deficit	4301	3562	3313	1466	3335	427	1355	3093	2941	4445	1998	6766	6942	4973
64 1992 Regional Report Surplus Deficit	4502	4083	3463	1519	754	-2054	-900	-102	538	817	-1021	5992	4312	199
65 1993 Regional Report Surplus Deficit	1430	-308	2478	1098	171	-1836	-2009	-2836	729	1787	-1448	7058	6498	3897
66 1994 Regional Report Surplus Deficit	2666	1063	2783	1464	562	-1775	-1776	-464	-293	1080	1187	5522	4813	3166
67 1995 Regional Report Surplus Deficit	2120	12.8	2938	1363	-318	-1590	-299	1797	3379	2501	-1381	7291	7248	4724
68 1996 Regional Report Surplus Deficit	3781	1560	3894	3836	3536	1600	2204	4140	4943	5758	5289	7675	7273	5056
69 1997 Regional Report Surplus Deficit	4516	4273	4308	2111	1716	577	2227	3791	4723	5072	4500	7357	6986	5261
70 1998 Regional Report Surplus Deficit	4562	4761	6008	6565	3261	-180	302	2975	2177	1892	-85.2	7821	7545	4925
71 1999 Regional Report Surplus Deficit	4529	3981	3391	1856	348	467	1839	3614	4731	4570	4560	7075	7641	5391
72 2000 Regional Report Surplus Deficit	4826	5017	4946	2172	3494	923	812	2347	3079	6111	5275	7075	5690	4412
73 2001 Regional Report Surplus Deficit	4307	846	3128	1871	613	-1847	-1449	-1054	-592	879	-2914	3491	3806	540
74 2002 Regional Report Surplus Deficit	1596	-941	1596	279	97.2	-1220	-1505	-465	559	3499	4524	6427	7090	4933
75 2003 Regional Report Surplus Deficit	3123	2018	3214	1738	878	-1822	-1317	234	2896	2844	1508	5562	7045	3014
76 2004 Regional Report Surplus Deficit	988	-492	2294	1322	935	-764	-1065	-936	737	2217	824	6129	6232	3104
77 2005 Regional Report Surplus Deficit	1347	1672	4461	2387	1085	-446	-157	1919	597	838	-1107	6248	6012	3759

Regional Report Surplus Deficit By Water Year
Operating Year 2026
2018 White Book Report Date: **12/1/2018** *Continued*
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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	2525	293	2719	1175	1341	-675	1259	3219	2722	5797	4955	7565	7394	4308
79 2007 Regional Report Surplus Deficit	2407	-17.8	2142	1198	1304	-502	541	1316	4416	4275	1396	6973	6329	4429
80 2008 Regional Report Surplus Deficit	2233	-307	1852	1418	594	-1631	-926	6.81	932	2191	-702	7034	7749	5033
Ranked Averages														
81 Bottom 10 pct	1287	83.2	2726	1566	738	-841	-134	1053	2120	3082	1143	6269	6317	3965
82 Middle 80 pct	3491	2119	3646	2216	1298	-511	219	1586	2152	3462	2062	6608	6691	4011
83 Top 10 pct	4686	4565	5324	2863	2323	92.7	949	2513	3232	4417	2894	6608	6428	4151

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Regional Report Surplus Deficit By Water Year

Operating Year 2027

2018 White Book Report Date: 12/1/2018

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	2459	1645	2512	1126	-216	-2069	-1853	-1018	-414	1612	-2138	1936	5094	1042
2 1930 Regional Report Surplus Deficit	1375	31.7	2125	774	-710	-2314	-2728	-925	-489	1577	-1184	2082	3870	2937
3 1931 Regional Report Surplus Deficit	1646	208	2027	826	-965	-2164	-2699	-1372	-711	1423	-2652	2133	2823	1913
4 1932 Regional Report Surplus Deficit	1374	-532	1705	296	-1322	-2219	-1824	-2952	1911	5257	4899	6462	5852	4555
5 1933 Regional Report Surplus Deficit	2756	1637	2997	942	-505	-429	418	2285	2113	3652	1258	5299	6471	5094
6 1934 Regional Report Surplus Deficit	3551	3510	3490	2382	2729	1200	1869	3529	4387	5475	4408	5437	4353	1737
7 1935 Regional Report Surplus Deficit	535	263	1389	582	-908	-1476	341	1985	2261	2219	1965	5268	4760	4595
8 1936 Regional Report Surplus Deficit	3474	911	1942	745	-457	-2198	-2439	-2075	-256	1905	4358	6534	5653	3828
9 1937 Regional Report Surplus Deficit	1122	-103	1624	833	-567	-2201	-2902	-2777	-983	1388	-2674	2738	4836	2363
10 1938 Regional Report Surplus Deficit	1984	187	2284	795	-490	-922	-12.9	1381	3537	5754	4825	6248	5377	4750
11 1939 Regional Report Surplus Deficit	1159	-294	2395	910	-514	-1996	-479	525	979	2794	2828	5618	4271	3154
12 1940 Regional Report Surplus Deficit	1139	-191	1865	947	-109	-1043	-582	-3.12	3011	4459	1613	5730	4029	862
13 1941 Regional Report Surplus Deficit	191	-1439	1772	557	-503	-1320	-1336	-456	467	1050	-3191	1835	3420	1912
14 1942 Regional Report Surplus Deficit	1556	-446	2412	438	421	146	49.4	1216	-301	1975	252	4071	5627	4734
15 1943 Regional Report Surplus Deficit	2528	2183	3375	1064	-700	-1261	799	2351	3276	6311	5321	5841	6381	5218
16 1944 Regional Report Surplus Deficit	3179	1683	2670	860	-783	-1921	-1251	-843	-655	1387	-2972	1579	3000	15.3
17 1945 Regional Report Surplus Deficit	531	-2095	868	-20.5	-1035	-2230	-2098	-1231	-445	1358	-2612	5008	5698	1781
18 1946 Regional Report Surplus Deficit	1561	-85.3	2112	602	-396	-845	70.2	1265	2470	5847	5000	6205	5365	5001
19 1947 Regional Report Surplus Deficit	3544	2732	3233	870	707	1216	1411	3132	3808	5630	2942	6268	5583	4682
20 1948 Regional Report Surplus Deficit	2755	1328	2598	5225	2373	171	1283	2760	2320	4649	4697	6518	5745	4979
21 1949 Regional Report Surplus Deficit	3477	3553	3704	1681	228	-1112	-369	1086	3821	5685	5062	6576	5387	2007
22 1950 Regional Report Surplus Deficit	565	-941	1860	792	-522	-865	1267	3153	4330	5944	4042	5651	6504	5454
23 1951 Regional Report Surplus Deficit	3616	3558	3816	3118	2831	1454	1913	3872	4489	5825	4454	6115	5599	4953
24 1952 Regional Report Surplus Deficit	3565	1503	3284	4774	1650	258	1090	3088	2449	6070	5107	6830	5714	4786
25 1953 Regional Report Surplus Deficit	2632	735	1741	878	-884	-2377	-819	3706	1525	1511	428	5932	6462	5202
26 1954 Regional Report Surplus Deficit	3135	2287	3240	1552	638	-306	1036	3416	3217	4821	2851	6114	5774	5315
27 1955 Regional Report Surplus Deficit	3610	3715	5655	1791	1679	-523	-682	187	-1127	1829	-1299	4846	6478	5293
28 1956 Regional Report Surplus Deficit	3525	3032	3076	2163	2214	1245	1884	3641	4219	5405	4127	6345	6249	5118
29 1957 Regional Report Surplus Deficit	3573	3346	3441	2075	193	-56.5	-39.3	396	3097	6584	3308	7193	6328	4269
30 1958 Regional Report Surplus Deficit	3150	255	2278	855	-270	-1053	749	2411	2143	3729	4187	6686	6048	3902
31 1959 Regional Report Surplus Deficit	2841	735	2275	1416	1465	844	1812	3442	2928	5945	3008	5764	5897	5016
32 1960 Regional Report Surplus Deficit	3584	3646	5687	5883	2818	532	627	2278	2594	6561	4485	5484	5767	4501
33 1961 Regional Report Surplus Deficit	3368	664	2288	1344	524	-882	319	2567	4004	5695	1594	5804	5570	3867
34 1962 Regional Report Surplus Deficit	2727	835	2140	798	-87.5	-1017	384	2286	376	4398	4861	5926	5423	3991
35 1963 Regional Report Surplus Deficit	3149	1825	2558	2633	1756	591	637	2524	666	2500	-513	6017	5946	4406
36 1964 Regional Report Surplus Deficit	2583	993	3457	798	-27.8	-878	-265	950	-84.8	3902	975	5719	6559	5339
37 1965 Regional Report Surplus Deficit	3568	3488	4568	2970	1291	1275	1846	3739	4188	4019	4745	5862	5703	4824
38 1966 Regional Report Surplus Deficit	3602	3433	2704	1956	336	-594	280	1833	760	4862	2005	4894	5232	4339

Regional Report Surplus Deficit By Water Year

Operating Year 2027

2018 White Book Report Date: 12/1/2018 *Continued*

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	3058	833	2504	720	-394	-150	1348	3202	3455	4387	-672	5615	6159	5031
40 1968 Regional Report Surplus Deficit	3438	2907	3428	1579	889	-604	813	2988	3815	1464	-1312	4897	5753	4632
41 1969 Regional Report Surplus Deficit	3425	3375	4973	3297	2404	226	1601	3337	3717	5646	4602	6697	5952	4823
42 1970 Regional Report Surplus Deficit	2377	842	2617	1746	340	-1262	666	2614	1413	2000	-874	5890	6234	4129
43 1971 Regional Report Surplus Deficit	2365	305	2127	941	-254	-727	1795	3489	4770	5813	4243	6227	6482	5360
44 1972 Regional Report Surplus Deficit	3737	3843	3920	2252	651	-189	1670	3462	4638	5780	4133	5855	5907	5162
45 1973 Regional Report Surplus Deficit	3599	3777	4175	2040	763	-535	404	1813	413	1553	-3240	1831	3479	2045
46 1974 Regional Report Surplus Deficit	1792	-1177	2042	785	-366	304	2011	3579	4302	5255	3949	5087	6239	5554
47 1975 Regional Report Surplus Deficit	3672	3812	3941	823	-190	-1061	504	2128	3481	2618	739	5996	6339	5559
48 1976 Regional Report Surplus Deficit	3550	3312	4226	3668	2732	1508	1889	3525	4125	5829	4311	6363	6009	5173
49 1977 Regional Report Surplus Deficit	3739	3812	5916	2171	-76.5	-1833	-1293	-640	-806	1147	-3046	1396	2563	-362
50 1978 Regional Report Surplus Deficit	351	-1671	517	-508	-758	-763	164	1480	1804	5851	2840	6221	5108	4803
51 1979 Regional Report Surplus Deficit	3293	1895	4818	2170	438	-1604	-631	-34.5	2239	2018	1442	6386	4582	1318
52 1980 Regional Report Surplus Deficit	672	-1179	2203	905	-498	-2135	-239	2.96	-222	3787	3578	6997	5948	4221
53 1981 Regional Report Surplus Deficit	682	-399	2415	828	408	574	1287	3241	939	1281	-234	5779	6179	4833
54 1982 Regional Report Surplus Deficit	3480	3525	3350	1344	918	-625	1023	3770	4868	5999	2923	5895	6393	5660
55 1983 Regional Report Surplus Deficit	3704	3828	5094	3435	1151	-70.4	1405	3613	4839	5804	2324	5887	5760	5187
56 1984 Regional Report Surplus Deficit	3684	3764	4211	1894	3074	245	1279	3131	4359	5500	4541	6070	6421	5133
57 1985 Regional Report Surplus Deficit	3679	2160	4166	1979	1163	-533	-81.2	1056	807	5130	3879	5853	4381	2303
58 1986 Regional Report Surplus Deficit	393	-1199	2369	2388	1861	-530	737	3391	5246	6377	4542	5634	5582	3627
59 1987 Regional Report Surplus Deficit	2585	-176	2303	718	625	-558	-482	-440	1662	1942	837	5655	4084	955
60 1988 Regional Report Surplus Deficit	964	-1111	1835	480	-1481	-2386	-2349	-1501	-635	1488	24.3	2759	4283	3411
61 1989 Regional Report Surplus Deficit	1892	160	2009	515	-291	-1270	-1517	-2028	1904	4581	4767	5732	4691	2787
62 1990 Regional Report Surplus Deficit	1215	-14.5	2111	903	478	-343	342	2671	2681	4353	4758	5489	5746	4521
63 1991 Regional Report Surplus Deficit	3310	2645	2368	642	2588	139	1128	2988	2820	4885	1896	5628	5628	4867
64 1992 Regional Report Surplus Deficit	3519	3155	2514	706	-215	-2208	-1045	-247	418	1049	-1123	4851	3111	79.8
65 1993 Regional Report Surplus Deficit	509	-1271	1542	333	-812	-2041	-2107	-2737	607	2136	-1499	5870	5122	3903
66 1994 Regional Report Surplus Deficit	1715	123	1841	694	-433	-1996	-1878	-598	-409	1312	1096	4316	3581	3059
67 1995 Regional Report Surplus Deficit	1189	-949	1993	603	-1224	-1803	-457	1607	3236	2935	-1504	6152	5960	4611
68 1996 Regional Report Surplus Deficit	2818	624	2945	3143	2810	1395	2022	3990	4823	6103	5149	6403	5988	4938
69 1997 Regional Report Surplus Deficit	3528	3336	3359	1364	721	291	2050	3525	4549	5420	4360	6084	5746	5134
70 1998 Regional Report Surplus Deficit	3574	3781	5097	5664	2381	-445	126	2802	2054	2222	-183	6627	6286	4813
71 1999 Regional Report Surplus Deficit	3537	3062	2447	1056	-537	183	1628	3421	4563	4975	4409	5912	6385	5257
72 2000 Regional Report Surplus Deficit	3896	4029	4005	1426	2768	634	611	2160	2959	6456	5107	5927	4465	4303
73 2001 Regional Report Surplus Deficit	3317	-118	2186	1101	-344	-2038	-1585	-1153	-707	1111	-3005	2019	2655	425
74 2002 Regional Report Surplus Deficit	649	-1912	686	-584	-850	-1459	-1513	-701	380	3908	4360	5294	5831	4817
75 2003 Regional Report Surplus Deficit	2180	1091	2268	1004	-111	-2020	-1433	65.4	2766	3253	1414	4343	5748	2905
76 2004 Regional Report Surplus Deficit	106	-1446	1377	562	-55.9	-1028	-1201	-1027	615	2609	734	4962	4897	2996
77 2005 Regional Report Surplus Deficit	450	738	3521	1696	89.0	-722	-346	1733	476	1070	-1154	5094	4696	3654

Regional Report Surplus Deficit By Water Year
Operating Year 2027
2018 White Book Report Date: **12/1/2018** *Continued*
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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	1583	-665	1787	398	348	-939	997	3131	2597	6146	4793	6364	6117	4201
79 2007 Regional Report Surplus Deficit	1490	-998	1242	386	308	-769	339	1126	4264	4758	1296	5815	5002	4324
80 2008 Regional Report Surplus Deficit	1322	-1260	961	684	-402	-1855	-1069	-158	812	2548	-809	5864	6538	4917
Ranked Averages														
81 Bottom 10 pct	383	-1015	1669	699	-265	-1264	-731	392	1379	2834	203	4986	4910	3409
82 Middle 80 pct	2530	1192	2721	1461	363	-732	96.2	1519	2105	3884	2047	5396	5440	3958
83 Top 10 pct	3716	3601	4384	2137	1421	-169	751	2348	3096	4783	2766	5387	5180	4030

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Regional Report Surplus Deficit By Water Year

Operating Year 2028

2018 White Book Report Date: 12/1/2018

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	2310	1460	2395	774	-226	-2326	-2150	-799	-568	486	-3091	3196	6199	753
2 1930 Regional Report Surplus Deficit	1202	-124	2005	390	-689	-2577	-3037	-756	-644	383	-2164	3427	4828	2637
3 1931 Regional Report Surplus Deficit	1488	47.2	1908	418	-940	-2397	-3005	-1194	-865	264	-3597	3419	3735	1613
4 1932 Regional Report Surplus Deficit	1235	-696	1586	-46.0	-1372	-2468	-2104	-3097	1750	3944	3993	7481	6931	4254
5 1933 Regional Report Surplus Deficit	2618	1451	2882	573	-563	-593	268	2540	1910	2318	261	6250	7421	4802
6 1934 Regional Report Surplus Deficit	3427	3365	3374	1925	2492	962	1677	3760	4233	4230	3459	6411	5447	1440
7 1935 Regional Report Surplus Deficit	331	99.6	1259	191	-1118	-1693	191	2248	2036	999	975	6219	5819	4296
8 1936 Regional Report Surplus Deficit	3363	744	1815	394	-468	-2448	-2750	-1991	-409	694	3441	7550	6739	3527
9 1937 Regional Report Surplus Deficit	940	-244	1484	448	-537	-2438	-3212	-2775	-1140	263	-3625	4006	5889	2066
10 1938 Regional Report Surplus Deficit	1825	35.6	2167	437	-531	-1115	-218	1604	3441	4514	3875	7262	6471	4452
11 1939 Regional Report Surplus Deficit	960	-425	2281	538	-571	-2270	-666	706	827	1508	1864	6574	5272	2854
12 1940 Regional Report Surplus Deficit	945	-330	1736	539	-75.7	-1223	-797	225	2873	3105	621	6678	5045	573
13 1941 Regional Report Surplus Deficit	-19.3	-1558	1653	195	-470	-1517	-1596	-243	322	-106	-4139	3151	4439	1613
14 1942 Regional Report Surplus Deficit	1407	-598	2298	99.5	454	-10.5	-147	1490	-455	774	-743	5125	6699	4439
15 1943 Regional Report Surplus Deficit	2407	1997	3253	665	-834	-1480	624	2620	3150	5066	4388	6805	7398	4911
16 1944 Regional Report Surplus Deficit	3061	1500	2552	544	-801	-2181	-1455	-745	-813	262	-4081	2839	3950	-275
17 1945 Regional Report Surplus Deficit	374	-2222	746	-363	-1039	-2465	-2400	-1105	-600	232	-3623	5966	6777	1487
18 1946 Regional Report Surplus Deficit	1395	-229	1989	278	-393	-1034	-255	1747	2331	4604	4051	7231	6463	4707
19 1947 Regional Report Surplus Deficit	3434	2547	3118	572	741	1062	1261	3313	3675	4292	1969	7275	6670	4385
20 1948 Regional Report Surplus Deficit	2620	1152	2484	4953	2282	14.4	1115	3014	2173	3324	3781	7608	6739	4684
21 1949 Regional Report Surplus Deficit	3350	3412	3583	1256	255	-1308	-571	1359	3682	4361	4112	7595	6484	1712
22 1950 Regional Report Surplus Deficit	348	-1087	1726	468	-567	-1044	1114	3347	4364	4701	3098	6629	7514	5175
23 1951 Regional Report Surplus Deficit	3493	3406	3696	2659	2711	1277	1727	4102	4335	4580	3504	7122	6689	4663
24 1952 Regional Report Surplus Deficit	3456	1325	3169	4416	1643	101	921	3342	2278	4827	4157	7919	6799	4491
25 1953 Regional Report Surplus Deficit	2506	575	1598	533	-886	-2628	-1024	3931	1354	386	-566	6886	7430	4917
26 1954 Regional Report Surplus Deficit	3017	2100	3125	1138	672	-475	889	3656	3041	3443	1864	7127	6816	5001
27 1955 Regional Report Surplus Deficit	3443	3611	5488	1362	1652	-689	-919	444	-1284	653	-2273	5792	7473	5009
28 1956 Regional Report Surplus Deficit	3406	2854	2962	1718	2142	1091	1701	3878	4064	4163	3177	7434	7252	4825
29 1957 Regional Report Surplus Deficit	3462	3183	3326	1633	215	-221	-237	653	2947	5316	2346	8285	7306	3970
30 1958 Regional Report Surplus Deficit	3028	106	2157	510	-266	-1254	569	2682	1993	2420	3245	7693	7071	3594
31 1959 Regional Report Surplus Deficit	2709	571	2157	1003	1460	691	1615	3673	2792	4704	2034	6748	6933	4724
32 1960 Regional Report Surplus Deficit	3468	3505	5551	5676	2581	378	530	2376	2447	5317	3566	6436	6848	4205
33 1961 Regional Report Surplus Deficit	3257	505	2172	933	557	-1066	137	2833	3866	4380	590	6797	6578	3565
34 1962 Regional Report Surplus Deficit	2597	659	2019	476	-75.8	-1205	231	2498	211	3101	3948	6897	6524	3689
35 1963 Regional Report Surplus Deficit	3032	1641	2439	2175	1730	437	467	2792	515	1260	-1500	6966	7000	4106
36 1964 Regional Report Surplus Deficit	2455	821	3339	464	-16.1	-1064	-443	1150	-253	2587	-20.9	6691	7535	5039
37 1965 Regional Report Surplus Deficit	3451	3338	4426	2515	1297	1053	1635	4049	4038	2799	3796	6950	6774	4529
38 1966 Regional Report Surplus Deficit	3488	3271	2589	1509	368	-767	155	1979	601	3533	1014	5872	6334	4039

Regional Report Surplus Deficit By Water Year
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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	2942	667	2388	367	-426	-313	1184	3425	3322	3038	-1660	6586	7153	4738
40 1968 Regional Report Surplus Deficit	3328	2727	3310	1152	916	-778	634	3246	3690	281	-2279	5877	6813	4336
41 1969 Regional Report Surplus Deficit	3315	3215	4811	2852	2311	69.7	1425	3568	3379	4404	3653	7785	7045	4527
42 1970 Regional Report Surplus Deficit	2228	676	2500	1316	371	-1475	481	2875	1263	826	-1857	6841	7272	3827
43 1971 Regional Report Surplus Deficit	2214	152	1999	579	-254	-908	1612	3717	4616	4573	3294	7317	7460	5065
44 1972 Regional Report Surplus Deficit	3614	3719	3801	1807	683	-358	1491	3739	4533	4536	3195	6944	6887	4874
45 1973 Regional Report Surplus Deficit	3471	3665	4048	1598	797	-717	210	2086	261	427	-4348	3090	4504	1749
46 1974 Regional Report Surplus Deficit	1638	-1305	1919	416	-415	147	1795	3809	4148	4010	3000	6175	7240	5224
47 1975 Regional Report Surplus Deficit	3537	3700	3818	527	-210	-1271	345	2329	3363	1359	-257	6988	7368	5304
48 1976 Regional Report Surplus Deficit	3440	3136	4095	3225	2613	1270	1715	3756	3985	4585	3361	7452	7071	4866
49 1977 Regional Report Surplus Deficit	3592	3679	5814	1722	-73.7	-2072	-1578	-331	-963	22.3	-4083	2720	3483	-652
50 1978 Regional Report Surplus Deficit	194	-1816	360	-788	-780	-945	-33.1	1700	1719	4608	1878	7218	6207	4506
51 1979 Regional Report Surplus Deficit	3175	1710	4663	1713	471	-1845	-847	194	2090	807	450	7362	5618	1027
52 1980 Regional Report Surplus Deficit	479	-1295	2085	522	-501	-2422	-458	235	-377	2460	2618	7996	6993	3918
53 1981 Regional Report Surplus Deficit	486	-532	2301	445	441	419	1117	3484	789	155	-1225	6760	7192	4539
54 1982 Regional Report Surplus Deficit	3358	3384	3233	949	941	-805	851	4021	4738	4757	1962	6982	7391	5321
55 1983 Regional Report Surplus Deficit	3577	3704	4936	2984	1174	-236	1236	3855	4710	4495	1340	6876	6848	4903
56 1984 Regional Report Surplus Deficit	3568	3625	4084	1470	2877	86.6	1108	3386	4235	4178	3635	7051	7443	4834
57 1985 Regional Report Surplus Deficit	3569	1974	4039	1558	1193	-711	-249	1255	654	3801	2937	6806	5401	2007
58 1986 Regional Report Surplus Deficit	174	-1345	2251	1935	1836	-700	556	3641	5099	5135	3629	6590	6662	3325
59 1987 Regional Report Surplus Deficit	2444	-317	2180	420	658	-732	-709	-225	1512	738	-159	6614	5119	666
60 1988 Regional Report Surplus Deficit	770	-1226	1710	115	-1484	-2675	-2654	-1342	-789	363	-968	4053	5299	3109
61 1989 Regional Report Surplus Deficit	1737	1.67	1889	171	-284	-1467	-1787	-2005	1761	3291	3860	6684	5745	2488
62 1990 Regional Report Surplus Deficit	1029	-159	1988	523	512	-503	190	2881	2530	3003	3848	6440	6810	4221
63 1991 Regional Report Surplus Deficit	3200	2462	2248	323	2372	-15.7	970	3177	2670	3552	911	6583	6711	4565
64 1992 Regional Report Surplus Deficit	3401	2983	2397	376	-209	-2497	-1286	-18.6	267	-76.0	-2108	5810	4082	-209
65 1993 Regional Report Surplus Deficit	329	-1408	1413	-45.2	-791	-2279	-2394	-2752	458	894	-2534	6875	6267	3488
66 1994 Regional Report Surplus Deficit	1565	-36.5	1718	320	-401	-2218	-2162	-381	-564	187	100	5339	4583	2758
67 1995 Regional Report Surplus Deficit	1019	-1087	1873	220	-1281	-2033	-684	1880	3108	1608	-2467	7108	7018	4316
68 1996 Regional Report Surplus Deficit	2680	460	2828	2693	2573	1157	1819	4220	4669	4862	4200	7490	7043	4647
69 1997 Regional Report Surplus Deficit	3415	3174	3243	968	754	133	1841	3871	4449	4176	3411	7171	6755	4852
70 1998 Regional Report Surplus Deficit	3461	3661	4943	5421	2299	-624	-84.0	3059	1906	999	-1171	7638	7314	4517
71 1999 Regional Report Surplus Deficit	3427	2881	2325	712	-615	23.8	1453	3695	4457	3676	3473	6892	7410	4983
72 2000 Regional Report Surplus Deficit	3725	3917	3881	1029	2532	480	426	2430	2808	5215	4186	6893	5460	4003
73 2001 Regional Report Surplus Deficit	3205	-254	2063	728	-350	-2290	-1835	-970	-863	-14.6	-4001	3308	3575	132
74 2002 Regional Report Surplus Deficit	495	-2041	530	-865	-865	-1663	-1891	-381	288	2606	3437	6245	6860	4525
75 2003 Regional Report Surplus Deficit	2022	918	2149	595	-84.7	-2265	-1703	317	2625	1951	421	5379	6814	2605
76 2004 Regional Report Surplus Deficit	-113	-1592	1229	179	-28.2	-1207	-1451	-853	465	1324	-262	5946	6002	2695
77 2005 Regional Report Surplus Deficit	246	572	3395	1244	122	-889	-543	2002	325	-55.1	-2193	6066	5781	3351

Regional Report Surplus Deficit By Water Year
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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	1423	-807	1653	31.7	379	-1118	873	3303	2451	4901	3866	7382	7164	3899
79 2007 Regional Report Surplus Deficit	1306	-1118	1076	55.1	341	-945	155	1400	4145	3382	310	6791	6099	4021
80 2008 Regional Report Surplus Deficit	1132	-1406	786	274	-369	-2074	-1312	90.3	660	1298	-1789	6852	7518	4624
Ranked Averages														
81 Bottom 10 pct	186	-1017	1661	422	-225	-1284	-519	1136	1849	2187	56.5	6087	6086	3556
82 Middle 80 pct	2390	1019	2580	1073	335	-954	-167	1669	1880	2568	975	6425	6461	3603
83 Top 10 pct	3584	3465	4259	1719	1361	-351	563	2596	2960	3523	1807	6425	6197	3742

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1 1929 Regional Report Surplus Deficit	2231	1406	2213	785	-437	-2414	-2146	-1405	-596	914	-2484	1768	4817	660
2 1930 Regional Report Surplus Deficit	1147	-208	1825	433	-931	-2659	-3021	-1313	-671	879	-1530	1913	3593	2554
3 1931 Regional Report Surplus Deficit	1418	-31.9	1727	485	-1186	-2509	-2992	-1760	-893	726	-2998	1965	2546	1531
4 1932 Regional Report Surplus Deficit	1146	-772	1405	-44.8	-1542	-2565	-2117	-3339	1729	4559	4553	6293	5575	4172
5 1933 Regional Report Surplus Deficit	2528	1398	2697	601	-726	-774	125	1898	1931	2954	912	5131	6194	4711
6 1934 Regional Report Surplus Deficit	3324	3270	3191	2041	2508	855	1576	3141	4203	4775	4061	5269	4076	1354
7 1935 Regional Report Surplus Deficit	308	23.5	1089	241	-1128	-1822	48.6	1598	2078	1521	1619	5099	4483	4212
8 1936 Regional Report Surplus Deficit	3246	671	1642	404	-677	-2543	-2732	-2462	-438	1208	4013	6366	5376	3445
9 1937 Regional Report Surplus Deficit	894	-342	1324	492	-788	-2546	-3195	-3165	-1165	690	-3020	2570	4559	1980
10 1938 Regional Report Surplus Deficit	1757	-52.7	1984	454	-711	-1267	-306	993	3354	5054	4477	6079	5101	4367
11 1939 Regional Report Surplus Deficit	931	-534	2095	569	-735	-2341	-772	137	797	2096	2482	5450	3994	2772
12 1940 Regional Report Surplus Deficit	911	-431	1565	606	-329	-1388	-875	-390	2829	3762	1267	5561	3752	479
13 1941 Regional Report Surplus Deficit	-37.0	-1678	1472	216	-723	-1665	-1629	-843	285	353	-3536	1667	3143	1529
14 1942 Regional Report Surplus Deficit	1329	-686	2113	97.5	200	-199	-244	829	-483	1278	-93.3	3902	5350	4351
15 1943 Regional Report Surplus Deficit	2300	1943	3076	723	-920	-1606	506	1963	3094	5611	4975	5673	6104	4835
16 1944 Regional Report Surplus Deficit	2951	1443	2370	519	-1004	-2266	-1544	-1231	-838	689	-3318	1411	2723	-367
17 1945 Regional Report Surplus Deficit	304	-2334	569	-361	-1256	-2576	-2391	-1619	-627	660	-2957	4839	5422	1399
18 1946 Regional Report Surplus Deficit	1334	-325	1812	261	-617	-1191	-223	878	2288	5147	4652	6037	5089	4618
19 1947 Regional Report Surplus Deficit	3316	2492	2933	529	487	871	1118	2745	3626	4932	2597	6099	5306	4300
20 1948 Regional Report Surplus Deficit	2527	1089	2298	4884	2152	-174	990	2373	2138	3952	4352	6347	5468	4596
21 1949 Regional Report Surplus Deficit	3249	3313	3404	1340	6.90	-1458	-662	699	3639	4987	4714	6407	5111	1624
22 1950 Regional Report Surplus Deficit	338	-1180	1560	451	-743	-1211	974	2762	4147	5244	3697	5482	6227	5071
23 1951 Regional Report Surplus Deficit	3388	3318	3516	2777	2610	1108	1620	3481	4305	5125	4106	5946	5322	4571
24 1952 Regional Report Surplus Deficit	3337	1263	2984	4433	1429	-87.3	797	2701	2267	5370	4760	6659	5437	4404
25 1953 Regional Report Surplus Deficit	2404	495	1441	537	-1105	-2722	-1112	3319	1343	813	82.3	5764	6185	4819
26 1954 Regional Report Surplus Deficit	2907	2047	2940	1211	418	-651	743	3028	3035	4124	2506	5945	5498	4932
27 1955 Regional Report Surplus Deficit	3383	3475	5356	1450	1458	-868	-975	-200	-1309	1131	-1645	4678	6201	4910
28 1956 Regional Report Surplus Deficit	3297	2793	2776	1822	1993	900	1591	3253	4034	4705	3780	6175	5972	4735
29 1957 Regional Report Surplus Deficit	3345	3107	3142	1734	-28.1	-402	-332	8.69	2915	5886	2963	7022	6052	3887
30 1958 Regional Report Surplus Deficit	2923	15.3	1978	514	-491	-1398	457	2024	1961	3031	3842	6517	5771	3519
31 1959 Regional Report Surplus Deficit	2613	495	1975	1075	1245	499	1520	3055	2746	5245	2663	5596	5620	4633
32 1960 Regional Report Surplus Deficit	3356	3406	5387	5542	2597	187	334	1891	2411	5861	4140	5315	5490	4118
33 1961 Regional Report Surplus Deficit	3140	425	1988	1003	303	-1227	25.6	2179	3822	4997	1249	5635	5294	3484
34 1962 Regional Report Surplus Deficit	2499	595	1840	457	-308	-1362	90.8	1899	193	3700	4515	5758	5146	3608
35 1963 Regional Report Surplus Deficit	2921	1585	2258	2292	1535	246	344	2137	483	1803	-858	5848	5670	4023
36 1964 Regional Report Surplus Deficit	2355	753	3157	458	-249	-1223	-558	563	-267	3205	629	5551	6283	4956
37 1965 Regional Report Surplus Deficit	3340	3249	4268	2629	1071	930	1553	3348	4004	3322	4397	5692	5426	4442
38 1966 Regional Report Surplus Deficit	3375	3193	2404	1615	115	-939	-12.8	1446	578	4164	1660	4725	4956	3957

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1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
39 1967 Regional Report Surplus Deficit	2830	593	2205	379	-615	-495	1055	2815	3273	3689	-1017	5446	5883	4648
40 1968 Regional Report Surplus Deficit	3210	2668	3128	1238	668	-949	520	2601	3633	766	-1657	4729	5477	4249
41 1969 Regional Report Surplus Deficit	3197	3135	4673	2956	2184	-119	1308	2950	3535	4946	4254	6526	5676	4440
42 1970 Regional Report Surplus Deficit	2149	602	2317	1405	119	-1607	373	2226	1230	1302	-1219	5722	5957	3747
43 1971 Regional Report Surplus Deficit	2137	65.7	1827	601	-475	-1072	1502	3099	4585	5113	3896	6056	6206	4977
44 1972 Regional Report Surplus Deficit	3509	3603	3621	1911	430	-535	1377	3071	4454	5080	3787	5685	5631	4779
45 1973 Regional Report Surplus Deficit	3372	3537	3875	1699	543	-881	111	1426	230	855	-3585	1662	3202	1663
46 1974 Regional Report Surplus Deficit	1564	-1416	1742	444	-587	-41.8	1718	3188	4117	4555	3601	4917	5962	5172
47 1975 Regional Report Surplus Deficit	3444	3573	3641	482	-411	-1407	212	1740	3299	1920	393	5828	6062	5177
48 1976 Regional Report Surplus Deficit	3322	3072	3926	3327	2511	1162	1597	3137	3943	5129	3963	6193	5732	4790
49 1977 Regional Report Surplus Deficit	3511	3573	5616	1830	-297	-2178	-1586	-1027	-988	450	-3391	1228	2287	-745
50 1978 Regional Report Surplus Deficit	124	-1911	217	-849	-978	-1108	-129	1093	1621	5151	2494	6052	4832	4420
51 1979 Regional Report Surplus Deficit	3065	1655	4519	1829	217	-1950	-924	-422	2057	1320	1097	6217	4305	935
52 1980 Regional Report Surplus Deficit	444	-1418	1903	564	-719	-2480	-532	-384	-404	3089	3233	6828	5672	3838
53 1981 Regional Report Surplus Deficit	454	-639	2115	487	187	228	994	2854	757	583	-580	5611	5902	4450
54 1982 Regional Report Surplus Deficit	3252	3286	3051	1003	697	-970	730	3379	4683	5299	2578	5724	6117	5277
55 1983 Regional Report Surplus Deficit	3476	3588	4794	3094	930	-416	1112	3226	4657	5107	1978	5718	5484	4805
56 1984 Regional Report Surplus Deficit	3456	3524	3912	1553	2853	-99.9	986	2743	4177	4802	4195	5902	6145	4750
57 1985 Regional Report Surplus Deficit	3451	1920	3866	1638	943	-878	-374	668	624	4433	3533	5684	4104	1921
58 1986 Regional Report Surplus Deficit	165	-1438	2069	2047	1641	-875	445	3003	5064	5677	4197	5466	5305	3244
59 1987 Regional Report Surplus Deficit	2357	-415	2004	377	404	-903	-775	-827	1480	1245	492	5487	3808	573
60 1988 Regional Report Surplus Deficit	736	-1351	1535	139	-1701	-2731	-2642	-1888	-817	791	-321	2590	4006	3028
61 1989 Regional Report Surplus Deficit	1664	-80.1	1710	174	-512	-1615	-1810	-2415	1721	3884	4422	5564	4414	2405
62 1990 Regional Report Surplus Deficit	988	-254	1811	563	258	-689	49.3	2283	2499	3655	4413	5321	5469	4139
63 1991 Regional Report Surplus Deficit	3082	2406	2068	301	2367	-206	835	2601	2637	4187	1551	5460	5351	4484
64 1992 Regional Report Surplus Deficit	3291	2915	2214	365	-436	-2554	-1338	-634	236	351	-1468	4682	2835	-303
65 1993 Regional Report Surplus Deficit	281	-1510	1243	-8.08	-1033	-2387	-2400	-3125	425	1438	-1844	5701	4846	3520
66 1994 Regional Report Surplus Deficit	1487	-117	1541	353	-654	-2342	-2171	-986	-592	614	750	4147	3305	2676
67 1995 Regional Report Surplus Deficit	961	-1188	1693	262	-1445	-2148	-750	1219	3054	2237	-1849	5983	5683	4228
68 1996 Regional Report Surplus Deficit	2590	384	2645	2802	2589	1049	1729	3600	4638	5403	4801	6232	5711	4555
69 1997 Regional Report Surplus Deficit	3300	3096	3059	1023	500	-54.1	1757	3135	4365	4720	4012	5913	5469	4751
70 1998 Regional Report Surplus Deficit	3347	3541	4798	5323	2161	-791	-167	2414	1872	1524	-528	6458	6010	4430
71 1999 Regional Report Surplus Deficit	3309	2823	2147	715	-757	-162	1335	3030	4379	4277	4063	5743	6108	4874
72 2000 Regional Report Surplus Deficit	3669	3790	3705	1085	2548	288	318	1773	2776	5756	4761	5759	4189	3920
73 2001 Regional Report Surplus Deficit	3089	-357	1886	760	-565	-2384	-1878	-1540	-890	413	-3350	1851	2379	42.7
74 2002 Regional Report Surplus Deficit	421	-2151	386	-925	-1071	-1804	-1806	-1088	198	3211	4014	5126	5554	4435
75 2003 Regional Report Surplus Deficit	1952	851	1968	663	-332	-2365	-1726	-322	2583	2556	1069	4175	5471	2523
76 2004 Regional Report Surplus Deficit	-122	-1686	1078	222	-277	-1374	-1494	-1414	433	1911	388	4793	4621	2613
77 2005 Regional Report Surplus Deficit	222	499	3221	1355	-132	-1068	-639	1345	294	372	-1500	4925	4419	3271

Regional Report Surplus Deficit By Water Year
Operating Year 2029
2018 White Book Report Date: **12/1/2018** *Continued*
S166-WB-20190220-091000

1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
78 2006 Regional Report Surplus Deficit	1355	-905	1487	56.7	127	-1284	704	2744	2414	5446	4448	6196	5840	3818
79 2007 Regional Report Surplus Deficit	1262	-1238	942	45.5	87.4	-1114	45.5	739	4081	4060	951	5646	4725	3941
80 2008 Regional Report Surplus Deficit	1095	-1500	661	343	-623	-2201	-1362	-545	630	1851	-1154	5695	6261	4535
Ranked Averages														
81 Bottom 10 pct	156	-1254	1370	358	-486	-1609	-1024	4.82	1197	2135	-142	4818	4634	3026
82 Middle 80 pct	2302	952	2421	1120	142	-1078	-197	1131	1922	3186	1701	5227	5163	3575
83 Top 10 pct	3488	3361	4084	1796	1201	-515	458	1960	2913	4084	2420	5219	4903	3647

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