B O N N E V I L L E P O W E R A D M I N I S T R A T I O N

2019 Pacific Northwest Loads and Resources Study

Technical Appendix, Volume 2: Capacity Analysis

October 2020

2019 PACIFIC NORTHWEST LOADS AND RESOURCES STUDY
The White Book

TECHNICAL APPENDIX

Volume 2

Capacity Analysis

BONNEVILLE POWER ADMINISTRATION
October 2020

Cover Picture:

John Day Dam is a concrete gravity run-of-the-river dam spanning the Columbia River between Sherman County in Oregon and Klickitat County in Washington, owned and operated by the US Army Corps of Engineers. The dam was completed in 1971 and creates Lake Umatilla, it includes 16 hydroelectric turbines with a nameplate capacity of 2,180 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 2021 to 2030

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Exhibit 1
Regional Total Retail Loads

Monthly Capacity
Operating Year 2021 to 2030

Regional: Total Retail Loads

Operating Year 2021

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads															
1	Federal Agency	157	157	148	162	193	228	239	223	198	177	177	170	166	179
2	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
3	Cooperative	3130	3130	2867	2907	3270	3697	3631	3480	3177	3096	3096	3037	3144	3311
4	Municipality	3230	3230	3030	3453	3941	4345	4348	4157	3821	3475	3475	3000	3060	3249
5	Public Utility District	5563	5563	5151	5692	6619	7314	7389	6931	6378	5922	5922	5405	5366	5668
6	Investor-Owned Utility	17865	17865	15759	15605	17876	19081	18808	18183	16522	15561	15561	15340	16468	17914
7	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
9	**Total Firm Loads**	**30961**	**30961**	**27895**	**28617**	**32521**	**35356**	**35113**	**33654**	**30876**	**29083**	**29083**	**27893**	**29197**	**31353**
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	148	162	193	228	239	223	198	177	177	170	166	179
13	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
14	Cooperative	3130	3130	2867	2907	3270	3697	3631	3480	3177	3096	3096	3037	3144	3311
15	Municipality	3230	3230	3030	3453	3941	4345	4348	4157	3821	3475	3475	3000	3060	3249
16	Public Utility District	5563	5563	5165	5692	6619	7314	7393	6954	6432	5956	5956	5405	5366	5668
17	Investor-Owned Utility	17865	17865	15759	15605	17876	19081	18808	18183	16522	15561	15561	15340	16468	17914
18	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
19	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
20	**Total Loads**	**30961**	**30961**	**27909**	**28617**	**32521**	**35356**	**35117**	**33677**	**30930**	**29117**	**29117**	**27893**	**29197**	**31353**

Regional: Total Retail Loads

Operating Year 2022

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads															
1	Federal Agency	174	174	164	174	207	242	252	235	210	184	184	173	170	182
2	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
3	Cooperative	3222	3222	2945	2986	3363	3777	3711	3563	3262	3197	3197	3125	3233	3418
4	Municipality	3233	3233	3032	3456	3945	4348	4353	4162	3825	3479	3479	3004	3064	3253
5	Public Utility District	5672	5672	5256	5803	6741	7444	7730	7263	6701	6214	6214	5689	5640	5947
6	Investor-Owned Utility	17951	17951	15843	15692	17966	19169	18905	18282	16617	15655	15655	15429	16560	18007
7	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
9	**Total Firm Loads**	**31267**	**31267**	**28181**	**28910**	**32842**	**35672**	**35651**	**34186**	**31394**	**29582**	**29582**	**28361**	**29659**	**31839**
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	174	174	164	174	207	242	252	235	210	184	184	173	170	182
13	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
14	Cooperative	3222	3222	2945	2986	3363	3777	3711	3563	3262	3197	3197	3125	3233	3418
15	Municipality	3233	3233	3032	3456	3945	4348	4353	4162	3825	3479	3479	3004	3064	3253
16	Public Utility District	5672	5672	5270	5803	6741	7444	7734	7286	6755	6248	6248	5689	5640	5947
17	Investor-Owned Utility	17951	17951	15843	15692	17966	19169	18905	18282	16617	15655	15655	15429	16560	18007
18	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
19	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
20	**Total Loads**	**31267**	**31267**	**28195**	**28910**	**32842**	**35672**	**35655**	**34209**	**31448**	**29616**	**29616**	**28361**	**29659**	**31839**

Regional: Total Retail Loads

Operating Year 2023

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads															
1	Federal Agency	177	177	167	173	205	240	249	233	208	183	183	171	168	181
2	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
3	Cooperative	3317	3317	3043	3103	3469	3887	3835	3663	3366	3298	3298	3220	3340	3508
4	Municipality	3237	3237	3036	3460	3949	4353	4356	4165	3827	3480	3480	3005	3066	3255
5	Public Utility District	5954	5954	5529	6088	7066	7791	7768	7296	6728	6239	6239	5708	5633	5941
6	Investor-Owned Utility	18043	18043	15934	15786	18062	19265	19002	18382	16713	15749	15749	15519	16652	18100
7	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
9	**Total Firm Loads**	**31745**	**31745**	**28650**	**29410**	**33372**	**36227**	**35910**	**34419**	**31621**	**29802**	**29802**	**28565**	**29852**	**32017**
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	177	177	167	173	205	240	249	233	208	183	183	171	168	181
13	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
14	Cooperative	3317	3317	3043	3103	3469	3887	3835	3663	3366	3298	3298	3220	3340	3508
15	Municipality	3237	3237	3036	3460	3949	4353	4356	4165	3827	3480	3480	3005	3066	3255
16	Public Utility District	5954	5954	5543	6088	7066	7791	7772	7319	6782	6273	6273	5708	5633	5941
17	Investor-Owned Utility	18043	18043	15934	15786	18062	19265	19002	18382	16713	15749	15749	15519	16652	18100
18	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
19	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
20	**Total Loads**	**31745**	**31745**	**28664**	**29410**	**33372**	**36227**	**35914**	**34442**	**31675**	**29836**	**29836**	**28565**	**29852**	**32017**

Regional: Total Retail Loads

Operating Year 2024

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads															
1	Federal Agency	176	176	166	173	205	240	250	230	208	183	183	172	168	181
2	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
3	Cooperative	3405	3405	3141	3188	3551	3982	3916	3728	3460	3378	3378	3297	3403	3572
4	Municipality	3239	3239	3038	3462	3951	4356	4358	4166	3829	3482	3482	3006	3068	3257
5	Public Utility District	5937	5937	5505	6064	7043	7769	7771	7294	6721	6230	6230	5699	5647	5957
6	Investor-Owned Utility	18136	18136	16025	15881	18159	19361	19096	17931	16805	15840	15840	15605	16741	18189
7	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
9	**Total Firm Loads**	**31910**	**31910**	**28815**	**29567**	**33530**	**36399**	**36091**	**34029**	**31803**	**29966**	**29966**	**28720**	**30019**	**32189**
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	176	176	166	173	205	240	250	230	208	183	183	172	168	181
13	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
14	Cooperative	3405	3405	3141	3188	3551	3982	3916	3728	3460	3378	3378	3297	3403	3572
15	Municipality	3239	3239	3038	3462	3951	4356	4358	4166	3829	3482	3482	3006	3068	3257
16	Public Utility District	5937	5937	5519	6064	7043	7769	7775	7317	6775	6264	6264	5699	5647	5957
17	Investor-Owned Utility	18136	18136	16025	15881	18159	19361	19096	17931	16805	15840	15840	15605	16741	18189
18	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
19	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
20	**Total Loads**	**31910**	**31910**	**28829**	**29567**	**33530**	**36399**	**36095**	**34052**	**31857**	**30000**	**30000**	**28720**	**30019**	**32189**

Regional: Total Retail Loads

Operating Year 2025

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads															
1	Federal Agency	176	176	166	174	207	242	252	235	210	184	184	173	169	182
2	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
3	Cooperative	3468	3468	3189	3241	3603	4021	3956	3791	3485	3402	3402	3319	3425	3595
4	Municipality	3241	3241	3040	3464	3953	4358	4361	4170	3831	3484	3484	3008	3069	3259
5	Public Utility District	5949	5949	5514	6076	7059	7788	7807	7325	6745	6259	6259	5726	5674	5985
6	Investor-Owned Utility	18226	18226	16113	15972	18253	19453	19185	18569	16892	15926	15926	15686	16826	18274
7	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
9	**Total Firm Loads**	**32078**	**32078**	**28962**	**29724**	**33695**	**36555**	**36260**	**34770**	**31942**	**30108**	**30108**	**28853**	**30156**	**32327**
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	176	176	166	174	207	242	252	235	210	184	184	173	169	182
13	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
14	Cooperative	3468	3468	3189	3241	3603	4021	3956	3791	3485	3402	3402	3319	3425	3595
15	Municipality	3241	3241	3040	3464	3953	4358	4361	4170	3831	3484	3484	3008	3069	3259
16	Public Utility District	5949	5949	5528	6076	7059	7788	7811	7348	6799	6293	6293	5726	5674	5985
17	Investor-Owned Utility	18226	18226	16113	15972	18253	19453	19185	18569	16892	15926	15926	15686	16826	18274
18	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
19	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
20	**Total Loads**	**32078**	**32078**	**28976**	**29724**	**33695**	**36555**	**36264**	**34793**	**31996**	**30142**	**30142**	**28853**	**30156**	**32327**

Regional: Total Retail Loads

Operating Year 2026

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads															
1	Federal Agency	177	177	167	174	207	242	252	235	210	184	184	173	170	183
2	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
3	Cooperative	3491	3491	3211	3266	3628	4047	3983	3817	3510	3427	3427	3340	3446	3617
4	Municipality	3243	3243	3041	3465	3955	4361	4364	4172	3833	3485	3485	3009	3070	3261
5	Public Utility District	5978	5978	5540	6105	7090	7823	7851	7367	6790	6295	6295	5761	5709	6021
6	Investor-Owned Utility	18310	18310	16195	16058	18340	19540	19270	18656	16975	16008	16008	15764	16907	18355
7	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
9	**Total Firm Loads**	**32216**	**32216**	**29095**	**29865**	**33842**	**36705**	**36418**	**34927**	**32098**	**30252**	**30252**	**28988**	**30294**	**32468**
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	177	177	167	174	207	242	252	235	210	184	184	173	170	183
13	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
14	Cooperative	3491	3491	3211	3266	3628	4047	3983	3817	3510	3427	3427	3340	3446	3617
15	Municipality	3243	3243	3041	3465	3955	4361	4364	4172	3833	3485	3485	3009	3070	3261
16	Public Utility District	5978	5978	5554	6105	7090	7823	7855	7390	6844	6329	6329	5761	5709	6021
17	Investor-Owned Utility	18310	18310	16195	16058	18340	19540	19270	18656	16975	16008	16008	15764	16907	18355
18	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
19	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
20	**Total Loads**	**32216**	**32216**	**29109**	**29865**	**33842**	**36705**	**36422**	**34950**	**32152**	**30286**	**30286**	**28988**	**30294**	**32468**

Regional: Total Retail Loads

Operating Year 2027

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads															
1	Federal Agency	177	177	167	175	208	243	253	236	211	185	185	173	170	183
2	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
3	Cooperative	3512	3512	3231	3289	3653	4073	4008	3835	3534	3450	3450	3360	3466	3637
4	Municipality	3245	3245	3042	3467	3957	4363	4366	4174	3835	3486	3486	3010	3072	3262
5	Public Utility District	6013	6013	5573	6131	7121	7855	7877	7392	6814	6319	6319	5783	5731	6046
6	Investor-Owned Utility	18392	18392	16275	16140	18425	19624	19356	18744	17060	16091	16091	15843	16989	18438
7	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
9	**Total Firm Loads**	**32356**	**32356**	**29229**	**30000**	**33984**	**36849**	**36560**	**35061**	**32234**	**30385**	**30385**	**29112**	**30421**	**32599**
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	177	177	167	175	208	243	253	236	211	185	185	173	170	183
13	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
14	Cooperative	3512	3512	3231	3289	3653	4073	4008	3835	3534	3450	3450	3360	3466	3637
15	Municipality	3245	3245	3042	3467	3957	4363	4366	4174	3835	3486	3486	3010	3072	3262
16	Public Utility District	6013	6013	5587	6131	7121	7855	7881	7415	6868	6353	6353	5783	5731	6046
17	Investor-Owned Utility	18392	18392	16275	16140	18425	19624	19356	18744	17060	16091	16091	15843	16989	18438
18	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
19	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
20	**Total Loads**	**32356**	**32356**	**29243**	**30000**	**33984**	**36849**	**36564**	**35084**	**32288**	**30419**	**30419**	**29112**	**30421**	**32599**

Regional: Total Retail Loads

Operating Year 2028

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads															
1	Federal Agency	178	178	167	175	208	244	253	233	211	185	185	174	170	183
2	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
3	Cooperative	3533	3533	3251	3312	3676	4097	4033	3842	3557	3473	3473	3380	3486	3658
4	Municipality	3247	3247	3044	3468	3959	4366	4369	4175	3837	3488	3488	3011	3074	3264
5	Public Utility District	6038	6038	5595	6155	7146	7883	7904	7419	6839	6342	6342	5805	5754	6068
6	Investor-Owned Utility	18474	18474	16356	16223	18511	19709	19447	18278	17149	16179	16179	15926	17075	18524
7	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
9	**Total Firm Loads**	**32486**	**32486**	**29354**	**30132**	**34121**	**36990**	**36705**	**34627**	**32372**	**30519**	**30519**	**29238**	**30551**	**32730**
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	178	178	167	175	208	244	253	233	211	185	185	174	170	183
13	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
14	Cooperative	3533	3533	3251	3312	3676	4097	4033	3842	3557	3473	3473	3380	3486	3658
15	Municipality	3247	3247	3044	3468	3959	4366	4369	4175	3837	3488	3488	3011	3074	3264
16	Public Utility District	6038	6038	5609	6155	7146	7883	7908	7442	6893	6376	6376	5805	5754	6068
17	Investor-Owned Utility	18474	18474	16356	16223	18511	19709	19447	18278	17149	16179	16179	15926	17075	18524
18	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
19	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
20	**Total Loads**	**32486**	**32486**	**29368**	**30132**	**34121**	**36990**	**36709**	**34650**	**32426**	**30553**	**30553**	**29238**	**30551**	**32730**

Regional: Total Retail Loads

Operating Year 2029

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads															
1	Federal Agency	178	178	167	175	208	244	253	237	211	185	185	174	171	184
2	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
3	Cooperative	3553	3553	3270	3334	3699	4121	4057	3890	3580	3495	3495	3400	3505	3678
4	Municipality	3249	3249	3045	3470	3961	4368	4371	4179	3838	3489	3489	3013	3075	3266
5	Public Utility District	6060	6060	5616	6175	7166	7904	7925	7436	6849	6358	6358	5821	5771	6086
6	Investor-Owned Utility	18561	18561	16441	16311	18601	19798	19538	18929	17238	16267	16267	16010	17161	18611
7	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
9	**Total Firm Loads**	**32617**	**32617**	**29480**	**30264**	**34257**	**37128**	**36844**	**35352**	**32496**	**30648**	**30648**	**29358**	**30675**	**32857**
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	178	178	167	175	208	244	253	237	211	185	185	174	171	184
13	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
14	Cooperative	3553	3553	3270	3334	3699	4121	4057	3890	3580	3495	3495	3400	3505	3678
15	Municipality	3249	3249	3045	3470	3961	4368	4371	4179	3838	3489	3489	3013	3075	3266
16	Public Utility District	6060	6060	5630	6175	7166	7904	7929	7459	6903	6392	6392	5821	5771	6086
17	Investor-Owned Utility	18561	18561	16441	16311	18601	19798	19538	18929	17238	16267	16267	16010	17161	18611
18	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
19	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
20	**Total Loads**	**32617**	**32617**	**29494**	**30264**	**34257**	**37128**	**36848**	**35375**	**32550**	**30682**	**30682**	**29358**	**30675**	**32857**

Regional: Total Retail Loads

Operating Year 2030

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads															
1	Federal Agency	178	178	168	176	209	244	254	237	211	185	185	174	171	184
2	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
3	Cooperative	3573	3573	3289	3357	3723	4146	4081	3915	3604	3518	3518	3419	3525	3698
4	Municipality	3251	3251	3047	3471	3963	4371	4374	4182	3840	3491	3491	3014	3076	3268
5	Public Utility District	6077	6077	5632	6192	7186	7927	7943	7455	6873	6373	6373	5838	5785	6101
6	Investor-Owned Utility	18648	18648	16525	16399	18691	19888	19636	19030	17334	16361	16361	16099	17254	18705
7	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
9	**Total Firm Loads**	**32743**	**32743**	**29601**	**30392**	**34393**	**37267**	**36987**	**35498**	**32641**	**30782**	**30782**	**29486**	**30803**	**32988**
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	178	178	168	176	209	244	254	237	211	185	185	174	171	184
13	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
14	Cooperative	3573	3573	3289	3357	3723	4146	4081	3915	3604	3518	3518	3419	3525	3698
15	Municipality	3251	3251	3047	3471	3963	4371	4374	4182	3840	3491	3491	3014	3076	3268
16	Public Utility District	6077	6077	5646	6192	7186	7927	7947	7478	6927	6407	6407	5838	5785	6101
17	Investor-Owned Utility	18648	18648	16525	16399	18691	19888	19636	19030	17334	16361	16361	16099	17254	18705
18	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
19	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
20	**Total Loads**	**32743**	**32743**	**29615**	**30392**	**34393**	**37267**	**36991**	**35521**	**32695**	**30816**	**30816**	**29486**	**30803**	**32988**

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Exhibit 2
Regional Exports

Monthly Capacity
Operating Year 2021 to 2030

Regional Exports

Operating Year 2021

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

	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	61.3	147	0	0	0	0	0	0	0	0	0	0	0	21.4
3	**Total Exports to CAN**	**1203**	**1288**	**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														
	Contracts														
6	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
7	**Total Exports to ISW**	**50.0**	**50.0**	**50.0**	**50.0**	**50.0**	**50.0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Other Non-Northwest														
	Contracts														
8	BPA-P to Other Entities	0	0	0	0	0	0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
9	**Total Exports to NNW**	**0**	**0**	**0**	**0**	**0**	**0**	**50.0**	**50.0**	**50.0**	**50.0**	**50.0**	**50.0**	**50.0**	**50.0**
	Pacific Southwest														
	Contracts														
10	BPA-P to Other Entities	125	125	125	125	125	125	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
11	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
12	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
	Transfer Services														
13	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	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
21	TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Intertie Losses	15	15	15	6	5	5	5	5	5	5	5	5	14	14
23	**Total Exports to PSW**	**502**	**502**	**502**	**193**	**185**	**185**	**160**	**160**	**160**	**160**	**168**	**168**	**477**	**477**
	Total Exports														
24	Federal Entities	1382	1467	1320	1320	1320	1320	1295	1295	1295	1295	1295	1295	1295	1316
25	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
26	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
27	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
28	**Total Exports**	**1745**	**1831**	**1684**	**1384**	**1376**	**1376**	**1351**	**1351**	**1351**	**1351**	**1358**	**1358**	**1658**	**1680**

Regional Exports

Operating Year 2022

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

	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	61.3	147	0	0	0	0	0	0	0	0	0	0	0	21.4
3	**Total Exports to CAN**	**1203**	**1288**	**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**
	Other Non-Northwest														
	Contracts														
6	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
7	**Total Exports to NNW**	**50.0**	**50.0**	**50.0**	**50.0**	**50.0**	**50.0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Pacific Southwest														
	Contracts														
8	BPA-P to Other Entities	100.0	100.0	100.0	100.0	100.0	100.0	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	TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Intertie Losses	12	12	12	3	3.0	3.0	0	0	0	0	0.23	0.23	9	9
20	**Total Exports to PSW**	**420**	**420**	**420**	**111**	**103.0**	**103.0**	**0**	**0**	**0**	**0**	**8.04**	**8.04**	**317**	**317**
	Total Exports														
21	Federal Entities	1356	1441	1295	1295	1295	1295	1142	1142	1142	1142	1142	1142	1142	1163
22	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
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**	**1665**	**1750**	**1603**	**1303**	**1296**	**1296**	**1143**	**1143**	**1143**	**1143**	**1150**	**1150**	**1450**	**1472**

Regional Exports

Operating Year 2023

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

	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	61.3	147	0	0	0	0	0	0	0	0	0	0	0	21.4
3	**Total Exports to CAN**	**1203**	**1288**	**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**
	Pacific Southwest														
	Contracts														
6	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
7	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
	Transfer Services														
8	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Intertie Losses	9	9	9	0.23	0	0	0	0	0	0	0.23	0.23	9	9
17	**Total Exports to PSW**	**317**	**317**	**317**	**8.04**	**0**	**0**	**0**	**0**	**0**	**0**	**8.04**	**8.04**	**317**	**317**
	Total Exports														
18	Federal Entities	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
19	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
20	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
21	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	**Total Exports**	**1512**	**1597**	**1450**	**1150**	**1143**	**1143**	**1143**	**1143**	**1143**	**1143**	**1150**	**1150**	**1450**	**1472**

Regional Exports

Operating Year 2024

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

	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	61.3	147	0	0	0	0	0	0	0	0	0	0	0	21.4
3	**Total Exports to CAN**	**1203**	**1288**	**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**
	Pacific Southwest														
	Contracts														
6	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
7	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
	Transfer Services														
8	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Intertie Losses	9	9	9	0.23	0	0	0	0	0	0	0.23	0.23	9	9
17	**Total Exports to PSW**	**317**	**317**	**317**	**8.04**	**0**	**0**	**0**	**0**	**0**	**0**	**8.04**	**8.04**	**317**	**317**
	Total Exports														
18	Federal Entities	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
19	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
20	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
21	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	**Total Exports**	**1512**	**1597**	**1450**	**1150**	**1143**	**1143**	**1143**	**1143**	**1143**	**1143**	**1150**	**1150**	**1450**	**1472**

Regional Exports

Operating Year 2025

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	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	61.3	147	0	0	0	0	0	0	0	0	0	0	0	21.4
3	**Total Exports to CAN**	**1203**	**1288**	**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**
	Pacific Southwest														
	Contracts														
6	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
7	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
	Transfer Services														
8	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Intertie Losses	9	9	9	0.23	0	0	0	0	0	0	0.23	0.23	9	9
17	**Total Exports to PSW**	**317**	**317**	**317**	**8.04**	**0**	**0**	**0**	**0**	**0**	**0**	**8.04**	**8.04**	**317**	**317**
	Total Exports														
18	Federal Entities	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
19	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
20	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
21	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	**Total Exports**	**1512**	**1597**	**1450**	**1150**	**1143**	**1143**	**1143**	**1143**	**1143**	**1143**	**1150**	**1150**	**1450**	**1472**

Regional Exports

Operating Year 2026

2019 White Book Report Date: **2/5/2020**

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	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	61.3	147	0	0	0	0	0	0	0	0	0	0	0	21.4
3	**Total Exports to CAN**	**1203**	**1288**	**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**
	Pacific Southwest														
	Contracts														
6	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
7	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
	Transfer Services														
8	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Intertie Losses	9	9	9	0.23	0	0	0	0	0	0	0.23	0.23	9	9
17	**Total Exports to PSW**	**317**	**317**	**317**	**8.04**	**0**	**0**	**0**	**0**	**0**	**0**	**8.04**	**8.04**	**317**	**317**
	Total Exports														
18	Federal Entities	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
19	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
20	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
21	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	**Total Exports**	**1512**	**1597**	**1450**	**1150**	**1143**	**1143**	**1143**	**1143**	**1143**	**1143**	**1150**	**1150**	**1450**	**1472**

Regional Exports

Operating Year 2027

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	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	61.3	147	0	0	0	0	0	0	0	0	0	0	0	21.4
3	**Total Exports to CAN**	**1203**	**1288**	**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**
	Pacific Southwest														
	Contracts														
6	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
7	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
	Transfer Services														
8	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Intertie Losses	9	9	9	0.23	0	0	0	0	0	0	0.23	0.23	9	9
17	**Total Exports to PSW**	**317**	**317**	**317**	**8.04**	**0**	**0**	**0**	**0**	**0**	**0**	**8.04**	**8.04**	**317**	**317**
	Total Exports														
18	Federal Entities	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
19	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
20	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
21	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	**Total Exports**	**1512**	**1597**	**1450**	**1150**	**1143**	**1143**	**1143**	**1143**	**1143**	**1143**	**1150**	**1150**	**1450**	**1472**

Regional Exports

Operating Year 2028

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S184-WB-20191230-103442

	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	61.3	147	0	0	0	0	0	0	0	0	0	0	0	21.4
3	**Total Exports to CAN**	**1203**	**1288**	**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**
	Pacific Southwest														
	Contracts														
6	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
7	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
	Transfer Services														
8	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Intertie Losses	9	9	9	0.23	0	0	0	0	0	0	0.23	0.23	9	9
17	**Total Exports to PSW**	**317**	**317**	**317**	**8.04**	**0**	**0**	**0**	**0**	**0**	**0**	**8.04**	**8.04**	**317**	**317**
	Total Exports														
18	Federal Entities	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
19	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
20	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
21	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	**Total Exports**	**1512**	**1597**	**1450**	**1150**	**1143**	**1143**	**1143**	**1143**	**1143**	**1143**	**1150**	**1150**	**1450**	**1472**

Regional Exports

Operating Year 2029

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	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	61.3	147	0	0	0	0	0	0	0	0	0	0	0	21.4
3	**Total Exports to CAN**	**1203**	**1288**	**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**
	Pacific Southwest														
	Contracts														
6	MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	0	0	0	0
7	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
	Transfer Services														
8	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Intertie Losses	9	9	9	0.23	0	0	0	0	0	0	0	0	9	9
17	**Total Exports to PSW**	**317**	**317**	**317**	**8.04**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**309**	**309**
	Total Exports														
18	Federal Entities	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
19	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
20	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	0	0	0	0
21	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	**Total Exports**	**1512**	**1597**	**1450**	**1150**	**1143**	**1143**	**1143**	**1143**	**1143**	**1143**	**1143**	**1143**	**1443**	**1464**

Regional Exports

Operating Year 2030

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

	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	61.3	147	0	0	0	0	0	0	0	0	0	0	0	21.4
3	**Total Exports to CAN**	**1203**	**1288**	**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**
	Pacific Southwest														
	Contracts														
6	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
	Transfer Services														
7	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	TID to TID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Intertie Losses	9	9	9	0	0	0	0	0	0	0	0	0	9	9
16	**Total Exports to PSW**	**309**	**309**	**309**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**309**	**309**
	Total Exports														
17	Federal Entities	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
18	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
19	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	**Total Exports**	**1504**	**1589**	**1443**	**1143**	**1143**	**1143**	**1143**	**1143**	**1143**	**1143**	**1143**	**1143**	**1443**	**1464**

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Exhibit 3
Regional Imports

Monthly Capacity
Operating Year 2021 to 2030

Regional: Imports

Operating Year 2021

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

	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

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

	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

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

	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

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

	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

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

	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

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

	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**

Regional: Imports

Operating Year 2030

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

	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	847	847	679	615	604	691	630	630	610	580	580	624	926	1012
6	**Total Imports From ISW**	**847**	**847**	**679**	**615**	**604**	**691**	**630**	**630**	**610**	**580**	**580**	**624**	**926**	**1012**
	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	850	850	682	618	908	995	935	934	614	584	584	627	929	1015
11	Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
12	**Total Imports**	**993**	**993**	**825**	**762**	**1006**	**1115**	**1085**	**1118**	**823**	**727**	**727**	**771**	**1072**	**1158**

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Exhibit 4
Regional Intra-Regional Transfers

Monthly Capacity
Operating Year 2021 to 2030

Regional: Intra-Regional Transfers

Operating Year 2021

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Intra-Regional Transfers														
Contracts	**452**	**452**	**437**	**219**	**206**	**206**	**331**	**331**	**324**	**377**	**377**	**390**	**397**	**349**
1 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
2 BPA-P to Other Entities	225	225	225	75.0	75.0	75.0	0	0	0	0	0	0	0	0
3 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
	0	0	0	0	0	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4 BPA-P to PPL NSP RIn	16.8	16.8	16.8	16.8	0	0	0	0	0	0	0	0	0	0
5 BPA-P to 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	50.0	50.0	50.0	0	0	0	0	0	0	50.0	50.0	50.0	50.0	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	16.8	16.8	16.8	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	**452**	**452**	**437**	**219**	**206**	**206**	**331**	**331**	**324**	**377**	**377**	**390**	**397**	**349**
Intra-Regional Contracts Out														
17 Federal Entities	251	251	251	101	91.4	91.4	216	216	209	209	209	209	209	209
18 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
19 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
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	**452**	**452**	**437**	**219**	**206**	**206**	**331**	**331**	**324**	**377**	**377**	**390**	**397**	**349**
Intra-Regional Contracts In														
23 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
24 Investor Owned Utilities	46.9	46.9	32.6	32.3	22.5	22.5	223	223	216	216	216	227	234	235
25 Marketer	241	241	241	90.5	90.5	90.5	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	**452**	**452**	**437**	**219**	**206**	**206**	**331**	**331**	**324**	**377**	**377**	**390**	**397**	**349**

Regional: Intra-Regional Transfers

Operating Year 2022

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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 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
2 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 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
	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
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	**344**	**344**	**328**	**328**	**331**	**331**	**331**	**331**	**324**	**327**	**327**	**340**	**347**	**349**
Intra-Regional Contracts Out														
17 Federal Entities	209	209	209	209	216	216	216	216	209	209	209	209	209	209
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	**344**	**344**	**328**	**328**	**331**	**331**	**331**	**331**	**324**	**327**	**327**	**340**	**347**	**349**
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	230	230	216	216	223	223	223	223	216	216	216	227	234	235
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	**344**	**344**	**328**	**328**	**331**	**331**	**331**	**331**	**324**	**327**	**327**	**340**	**347**	**349**

Regional: Intra-Regional Transfers

Operating Year 2023

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

	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	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
2	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	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
		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
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**	**344**	**344**	**328**	**328**	**331**	**331**	**331**	**331**	**324**	**327**	**327**	**340**	**347**	**349**
	Intra-Regional Contracts Out														
17	Federal Entities	209	209	209	209	216	216	216	216	209	209	209	209	209	209
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**	**344**	**344**	**328**	**328**	**331**	**331**	**331**	**331**	**324**	**327**	**327**	**340**	**347**	**349**
	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	230	230	216	216	223	223	223	223	216	216	216	227	234	235
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**	**344**	**344**	**328**	**328**	**331**	**331**	**331**	**331**	**324**	**327**	**327**	**340**	**347**	**349**

Regional: Intra-Regional Transfers

Operating Year 2024

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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 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
2 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 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
	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
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	**344**	**344**	**328**	**328**	**331**	**331**	**331**	**331**	**324**	**327**	**327**	**340**	**347**	**349**
Intra-Regional Contracts Out														
17 Federal Entities	209	209	209	209	216	216	216	216	209	209	209	209	209	209
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	**344**	**344**	**328**	**328**	**331**	**331**	**331**	**331**	**324**	**327**	**327**	**340**	**347**	**349**
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	230	230	216	216	223	223	223	223	216	216	216	227	234	235
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	**344**	**344**	**328**	**328**	**331**	**331**	**331**	**331**	**324**	**327**	**327**	**340**	**347**	**349**

Regional: Intra-Regional Transfers

Operating Year 2025

2019 White Book Report Date: **2/5/2020**

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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 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
2 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 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
	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
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	**344**	**344**	**328**	**328**	**331**	**331**	**331**	**331**	**324**	**327**	**327**	**340**	**347**	**349**
Intra-Regional Contracts Out														
17 Federal Entities	209	209	209	209	216	216	216	216	209	209	209	209	209	209
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	**344**	**344**	**328**	**328**	**331**	**331**	**331**	**331**	**324**	**327**	**327**	**340**	**347**	**349**
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	230	230	216	216	223	223	223	223	216	216	216	227	234	235
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	**344**	**344**	**328**	**328**	**331**	**331**	**331**	**331**	**324**	**327**	**327**	**340**	**347**	**349**

Regional: Intra-Regional Transfers

Operating Year 2026

2019 White Book Report Date: **2/5/2020**

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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 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
2 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 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
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	**344**	**344**	**328**	**328**	**331**	**331**	**131**	**131**	**124**	**127**	**127**	**140**	**147**	**149**
Intra-Regional Contracts Out														
17 Federal Entities	209	209	209	209	216	216	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	**344**	**344**	**328**	**328**	**331**	**331**	**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	230	230	216	216	223	223	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	**344**	**344**	**328**	**328**	**331**	**331**	**131**	**131**	**124**	**127**	**127**	**140**	**147**	**149**

Regional: Intra-Regional Transfers

Operating Year 2027

2019 White Book Report Date: **2/5/2020**

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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 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
2 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to PGE CapS Surp	0	0	0	0	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 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

2019 White Book Report Date: **2/5/2020**

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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 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
2 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to PGE CapS Surp	0	0	0	0	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 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

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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 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
2 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to PGE CapS Surp	0	0	0	0	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 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 2030

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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 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
2 BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA-P to PGE CapS Surp	0	0	0	0	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 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 2021 to 2030

Regional: Small Hydro

Operating Year 2021 Water Year: 1937

2019 White Book Report Date: **3/3/2020**

S184-WB-20191230-103442

	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	Bigg's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11	Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12	Birch Creek Diversion Dam	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	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
19	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
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 Hydroelectic 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
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

Regional: Small Hydro

Operating Year 2021 Water Year: 1937

2019 White Book Report Date: **3/3/2020** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	Forgy	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
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	Lacomb	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

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123	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	0	0	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
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	Sygitowicz 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

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	196	196	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**	**365**	**363**	**284**	**201**	**168**	**161**	**156**	**169**	**207**	**324**	**325**	**446**	**463**	**443**

Regional: Small Hydro

Operating Year 2022 Water Year: 1937

2019 White Book Report Date: **3/3/2020**

S184-WB-20191230-103442

	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	Bigg's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11	Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12	Birch Creek Diversion Dam	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	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
19	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
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 Hydroelectic 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
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

Regional: Small Hydro

Operating Year 2022 Water Year: 1937

2019 White Book Report Date: **3/3/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	Forgy	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
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	Lacomb	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

Regional: Small Hydro

Operating Year 2022 Water Year: 1937

2019 White Book Report Date: **3/3/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123	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	0	0	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
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	Sygitowicz 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

Regional: Small Hydro

Operating Year 2022 Water Year: 1937

2019 White Book Report Date: **3/3/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	196	196	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**	**365**	**363**	**284**	**201**	**168**	**161**	**156**	**169**	**207**	**324**	**325**	**446**	**463**	**443**

Regional: Small Hydro

Operating Year 2023 Water Year: 1937

2019 White Book Report Date: **3/3/2020**

S184-WB-20191230-103442

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 Bigg's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11 Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12 Birch Creek Diversion Dam	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 Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
19 Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
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 Hydroelectic 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
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

Regional: Small Hydro

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	Forgy	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
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	Lacomb	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

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123	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	0	0	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
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	Sygitowicz 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

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	196	196	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**	**365**	**363**	**284**	**201**	**168**	**161**	**156**	**169**	**207**	**324**	**325**	**445**	**463**	**443**

Regional: Small Hydro

Operating Year 2024 Water Year: 1937

2019 White Book Report Date: **3/3/2020**

S184-WB-20191230-103442

	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	Bigg's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11	Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12	Birch Creek Diversion Dam	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	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
19	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
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 Hydroelectic 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
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

Regional: Small Hydro

Operating Year 2024 Water Year: 1937

2019 White Book Report Date: **3/3/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	Forgy	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
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	Lacomb	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

Regional: Small Hydro

Operating Year 2024 Water Year: 1937

2019 White Book Report Date: **3/3/2020** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123	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	0	0	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
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	Sygitowicz 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

Regional: Small Hydro

Operating Year 2024 Water Year: 1937

2019 White Book Report Date: **3/3/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	196	196	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**	**365**	**363**	**284**	**201**	**168**	**161**	**156**	**169**	**207**	**324**	**325**	**445**	**463**	**443**

Regional: Small Hydro

Operating Year 2025 Water Year: 1937

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S184-WB-20191230-103442

	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	Bigg's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11	Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12	Birch Creek Diversion Dam	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	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
19	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
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 Hydroelectic 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
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

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S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	Forgy	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
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	Lacomb	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

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123	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	0	0	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
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	Sygitowicz 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

Regional: Small Hydro

Operating Year 2025 Water Year: 1937

2019 White Book Report Date: **3/3/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	196	196	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**	**365**	**363**	**284**	**201**	**168**	**161**	**156**	**169**	**207**	**324**	**325**	**445**	**463**	**443**

Regional: Small Hydro

Operating Year 2026 Water Year: 1937

2019 White Book Report Date: **3/3/2020**

S184-WB-20191230-103442

	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	Bigg's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11	Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12	Birch Creek Diversion Dam	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	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
19	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
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 Hydroelectic 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
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

Regional: Small Hydro

Operating Year 2026 Water Year: 1937

2019 White Book Report Date: **3/3/2020** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	Forgy	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
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	Lacomb	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

Regional: Small Hydro

Operating Year 2026 Water Year: 1937

2019 White Book Report Date: **3/3/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123	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	0	0	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
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	Sygitowicz 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

Regional: Small Hydro

Operating Year 2026 Water Year: 1937

2019 White Book Report Date: **3/3/2020** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	196	196	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**	**365**	**363**	**284**	**201**	**168**	**161**	**156**	**169**	**207**	**324**	**325**	**445**	**463**	**443**

Regional: Small Hydro

Operating Year 2027 Water Year: 1937

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S184-WB-20191230-103442

	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	Bigg's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11	Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12	Birch Creek Diversion Dam	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	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
19	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
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 Hydroelectic 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
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

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S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	Forgy	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
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	Lacomb	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

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123	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	0	0	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
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	Sygitowicz 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

Regional: Small Hydro

Operating Year 2027 Water Year: 1937

2019 White Book Report Date: **3/3/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	196	196	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**	**365**	**363**	**284**	**201**	**168**	**161**	**156**	**169**	**207**	**324**	**325**	**445**	**463**	**443**

Regional: Small Hydro

Operating Year 2028 Water Year: 1937

2019 White Book Report Date: **3/3/2020**

S184-WB-20191230-103442

	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	Bigg's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11	Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12	Birch Creek Diversion Dam	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	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
19	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
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 Hydroelectic 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
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

Regional: Small Hydro

Operating Year 2028 Water Year: 1937

2019 White Book Report Date: **3/3/2020** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	Forgy	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
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	Lacomb	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

Regional: Small Hydro

Operating Year 2028 Water Year: 1937

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123	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	0	0	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
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	Sygitowicz 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

Regional: Small Hydro

Operating Year 2028 Water Year: 1937

2019 White Book Report Date: **3/3/2020** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	196	196	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**	**365**	**363**	**284**	**201**	**168**	**161**	**156**	**169**	**207**	**324**	**325**	**445**	**463**	**443**

Regional: Small Hydro

Operating Year 2029 Water Year: 1937

2019 White Book Report Date: **3/3/2020**

S184-WB-20191230-103442

	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	Bigg's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11	Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12	Birch Creek Diversion Dam	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	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
19	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
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 Hydroelectic 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
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

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	Forgy	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
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	Lacomb	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

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123	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	0	0	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
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	Sygitowicz 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

Regional: Small Hydro

Operating Year 2029 Water Year: 1937

2019 White Book Report Date: **3/3/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	196	196	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**	**365**	**363**	**284**	**201**	**168**	**161**	**156**	**169**	**207**	**324**	**325**	**445**	**463**	**443**

Regional: Small Hydro

Operating Year 2030 Water Year: 1937

2019 White Book Report Date: **3/3/2020**

S184-WB-20191230-103442

	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	Bigg's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11	Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12	Birch Creek Diversion Dam	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	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
19	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
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 Hydroelectic 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
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

Regional: Small Hydro

Operating Year 2030 Water Year: 1937

2019 White Book Report Date: **3/3/2020** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	Forgy	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
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	Lacomb	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

Regional: Small Hydro

Operating Year 2030 Water Year: 1937

2019 White Book Report Date: **3/3/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123	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	0	0	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
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	Sygitowicz 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

Regional: Small Hydro

Operating Year 2030 Water Year: 1937

2019 White Book Report Date: **3/3/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	196	196	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**	**365**	**363**	**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 2021 to 2030

Regional: Non-Hydro Renewable - Wind
Operating Year: 2021 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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
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 Skookumchuck Wind	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0
73 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
74 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
75 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
76 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
77 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
78 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
79 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
80 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
81 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

Regional: Non-Hydro Renewable - Wind
Operating Year: 2021 Water Year: 1937
2019 White Book Report Date: **2/5/2020** *Continued*
S184-WB-20191230-103442

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
82 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
83 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
84 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
85 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
86 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
87 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
88 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
89 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
90 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
91 **Total Non-Hydro Renewable - Wind**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**

Regional: Non-Hydro Renewable - Wind
Operating Year: 2022 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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
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 Skookumchuck Wind	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0
73 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
74 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
75 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
76 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
77 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
78 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
79 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
80 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
81 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

Regional: Non-Hydro Renewable - Wind
Operating Year: 2022 Water Year: 1937
2019 White Book Report Date: **2/5/2020** *Continued*
S184-WB-20191230-103442

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
82 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
83 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
84 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
85 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
86 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
87 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
88 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
89 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
90 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
91 **Total Non-Hydro Renewable - Wind**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**

Regional: Non-Hydro Renewable - Wind
Operating Year: 2023 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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
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 Skookumchuck Wind	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0
73 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
74 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
75 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
76 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
77 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
78 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
79 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
80 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
81 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

Regional: Non-Hydro Renewable - Wind
Operating Year: 2023 Water Year: 1937
2019 White Book Report Date: **2/5/2020** *Continued*
S184-WB-20191230-103442

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
82 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
83 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
84 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
85 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
86 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
87 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
88 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
89 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
90 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
91 **Total Non-Hydro Renewable - Wind**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**

Regional: Non-Hydro Renewable - Wind
Operating Year: 2024 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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
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 Skookumchuck Wind	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0
73 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
74 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
75 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
76 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
77 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
78 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
79 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
80 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
81 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

Regional: Non-Hydro Renewable - Wind
Operating Year: 2024 Water Year: 1937
2019 White Book Report Date: **2/5/2020** *Continued*
S184-WB-20191230-103442

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
82 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
83 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
84 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
85 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
86 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
87 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
88 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
89 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
90 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
91 **Total Non-Hydro Renewable - Wind**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**

Regional: Non-Hydro Renewable - Wind
Operating Year: 2025 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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
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 Skookumchuck Wind	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0
73 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
74 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
75 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
76 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
77 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
78 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
79 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
80 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
81 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

Regional: Non-Hydro Renewable - Wind
Operating Year: 2025 Water Year: 1937
2019 White Book Report Date: **2/5/2020** *Continued*
S184-WB-20191230-103442

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
82 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
83 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
84 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
85 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
86 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
87 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
88 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
89 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
90 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
91 **Total Non-Hydro Renewable - Wind**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**

Regional: Non-Hydro Renewable - Wind
Operating Year: 2026 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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
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 Skookumchuck Wind	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0
73 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
74 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
75 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
76 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
77 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
78 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
79 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
80 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
81 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

Regional: Non-Hydro Renewable - Wind
Operating Year: 2026 Water Year: 1937
2019 White Book Report Date: **2/5/2020** *Continued*
S184-WB-20191230-103442

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
82 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
83 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
84 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
85 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
86 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
87 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
88 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
89 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
90 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
91 **Total Non-Hydro Renewable - Wind**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**

Regional: Non-Hydro Renewable - Wind
Operating Year: 2027 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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
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 Skookumchuck Wind	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0
73 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
74 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
75 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
76 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
77 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
78 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
79 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
80 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
81 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

Regional: Non-Hydro Renewable - Wind
Operating Year: 2027 Water Year: 1937
2019 White Book Report Date: **2/5/2020** *Continued*
S184-WB-20191230-103442

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
82 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
83 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
84 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
85 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
86 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
87 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
88 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
89 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
90 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
91 **Total Non-Hydro Renewable - Wind**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**

Regional: Non-Hydro Renewable - Wind
Operating Year: 2028 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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
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 Skookumchuck Wind	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0
73 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
74 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
75 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
76 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
77 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
78 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
79 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
80 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
81 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

Regional: Non-Hydro Renewable - Wind
Operating Year: 2028 Water Year: 1937
2019 White Book Report Date: **2/5/2020** *Continued*
S184-WB-20191230-103442

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
82 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
83 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
84 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
85 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
86 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
87 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
88 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
89 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
90 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
91 **Total Non-Hydro Renewable - Wind**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**

Regional: Non-Hydro Renewable - Wind
Operating Year: 2029 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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
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 Skookumchuck Wind	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0
73 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
74 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
75 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
76 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
77 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
78 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
79 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
80 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
81 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

Regional: Non-Hydro Renewable - Wind
Operating Year: 2029 Water Year: 1937
2019 White Book Report Date: **2/5/2020** *Continued*
S184-WB-20191230-103442

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
82 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
83 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
84 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
85 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
86 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
87 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
88 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
89 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
90 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
91 **Total Non-Hydro Renewable - Wind**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**

Regional: Non-Hydro Renewable - Wind
Operating Year: 2030 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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
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 Skookumchuck Wind	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0
73 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
74 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
75 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
76 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
77 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
78 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
79 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
80 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
81 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

Regional: Non-Hydro Renewable - Wind
Operating Year: 2030 Water Year: 1937
2019 White Book Report Date: **2/5/2020** *Continued*
S184-WB-20191230-103442

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Hydro Renewable - Wind														
82 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
83 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
84 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
85 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
86 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
87 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
88 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
89 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
90 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
91 **Total Non-Hydro Renewable - Wind**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**	**137**

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Exhibit 7
Regional Non-Hydro Renewable - Solar

Monthly Capacity
Operating Year 2021 to 2030

Regional: Non-Hydro Renewable - Solar
Operating Year: 2021 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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 Airport Solar	0.0	0.0	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 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
6 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
7 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
8 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
9 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
10 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
11 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
12 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
13 Blue Basin 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
14 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
15 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
16 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
17 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
18 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
19 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
20 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
21 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
22 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
23 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
24 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
25 Dayton Cuttoff Solar	0.0	0.0	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 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
27 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
28 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
29 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
30 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
31 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
32 Garrett Solar	0.0	0.0	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 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
34 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
35 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
36 Horn Rapids Solar	0.0	0.0	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 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
38 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
39 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
40 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
41 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
42 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
43 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
44 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
45 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
46 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
47 Millican Solar	0.0	0.0	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 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
49 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
50 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
51 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
52 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
53 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
54 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
55 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
56 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
57 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
58 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
59 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
60 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
61 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
62 Prineville Solar	0.0	0.0	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 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
64 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
65 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
66 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
67 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
68 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
69 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
70 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
71 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
72 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
73 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
74 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
75 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
76 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
77 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
78 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
79 Wy'East Solar	0.0	0.0	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 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
81 **Total Non-Hydro Renewable - Solar**	**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
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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 Airport Solar	0.0	0.0	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 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
6 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
7 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
8 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
9 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
10 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
11 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
12 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
13 Blue Basin 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
14 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
15 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
16 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
17 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
18 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
19 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
20 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
21 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
22 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
23 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
24 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
25 Dayton Cuttoff Solar	0.0	0.0	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 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
27 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
28 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
29 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
30 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
31 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
32 Garrett Solar	0.0	0.0	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 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
34 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
35 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
36 Horn Rapids Solar	0.0	0.0	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 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
38 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
39 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
40 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
41 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
42 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
43 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
44 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
45 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
46 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
47 Millican Solar	0.0	0.0	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 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
49 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
50 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
51 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
52 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
53 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
54 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
55 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
56 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
57 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
58 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
59 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
60 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
61 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
62 Prineville Solar	0.0	0.0	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 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
64 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
65 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
66 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
67 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
68 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
69 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
70 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
71 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
72 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
73 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
74 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
75 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
76 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
77 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
78 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
79 Wy'East Solar	0.0	0.0	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 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
81 **Total Non-Hydro Renewable - Solar**	**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
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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 Airport Solar	0.0	0.0	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 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
6 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
7 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
8 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
9 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
10 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
11 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
12 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
13 Blue Basin 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
14 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
15 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
16 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
17 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
18 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
19 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
20 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
21 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
22 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
23 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
24 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
25 Dayton Cuttoff Solar	0.0	0.0	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 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
27 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
28 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
29 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
30 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
31 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
32 Garrett Solar	0.0	0.0	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 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
34 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
35 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
36 Horn Rapids Solar	0.0	0.0	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 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
38 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
39 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
40 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
41 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
42 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
43 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
44 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
45 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
46 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
47 Millican Solar	0.0	0.0	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 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
49 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
50 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
51 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
52 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
53 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
54 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
55 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
56 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
57 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
58 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
59 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
60 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
61 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
62 Prineville Solar	0.0	0.0	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 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
64 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
65 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
66 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
67 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
68 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
69 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
70 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
71 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
72 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
73 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
74 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
75 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
76 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
77 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
78 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
79 Wy'East Solar	0.0	0.0	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 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
81 **Total Non-Hydro Renewable - Solar**	**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
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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 Airport Solar	0.0	0.0	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 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
6 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
7 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
8 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
9 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
10 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
11 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
12 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
13 Blue Basin 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
14 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
15 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
16 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
17 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
18 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
19 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
20 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
21 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
22 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
23 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
24 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
25 Dayton Cuttoff Solar	0.0	0.0	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 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
27 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
28 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
29 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
30 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
31 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
32 Garrett Solar	0.0	0.0	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 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
34 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
35 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
36 Horn Rapids Solar	0.0	0.0	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 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
38 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
39 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
40 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
41 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
42 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
43 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
44 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
45 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
46 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
47 Millican Solar	0.0	0.0	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 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
49 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
50 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
51 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
52 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
53 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
54 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
55 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
56 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
57 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
58 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
59 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
60 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
61 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
62 Prineville Solar	0.0	0.0	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 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
64 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
65 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
66 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
67 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
68 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
69 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
70 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
71 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
72 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
73 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
74 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
75 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
76 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
77 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
78 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
79 Wy'East Solar	0.0	0.0	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 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
81 **Total Non-Hydro Renewable - Solar**	**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
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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 Airport Solar	0.0	0.0	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 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
6 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
7 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
8 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
9 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
10 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
11 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
12 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
13 Blue Basin 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
14 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
15 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
16 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
17 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
18 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
19 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
20 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
21 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
22 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
23 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
24 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
25 Dayton Cuttoff Solar	0.0	0.0	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 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
27 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
28 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
29 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
30 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
31 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
32 Garrett Solar	0.0	0.0	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 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
34 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
35 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
36 Horn Rapids Solar	0.0	0.0	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 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
38 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
39 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
40 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
41 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
42 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
43 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
44 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
45 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
46 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
47 Millican Solar	0.0	0.0	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 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
49 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
50 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
51 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
52 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
53 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
54 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
55 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
56 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
57 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
58 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
59 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
60 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
61 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
62 Prineville Solar	0.0	0.0	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 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
64 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
65 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
66 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
67 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
68 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
69 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
70 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
71 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
72 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
73 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
74 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
75 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
76 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
77 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
78 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
79 Wy'East Solar	0.0	0.0	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 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
81 **Total Non-Hydro Renewable - Solar**	**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
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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 Airport Solar	0.0	0.0	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 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
6 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
7 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
8 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
9 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
10 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
11 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
12 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
13 Blue Basin 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
14 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
15 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
16 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
17 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
18 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
19 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
20 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
21 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
22 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
23 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
24 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
25 Dayton Cuttoff Solar	0.0	0.0	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 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
27 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
28 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
29 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
30 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
31 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
32 Garrett Solar	0.0	0.0	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 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
34 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
35 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
36 Horn Rapids Solar	0.0	0.0	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 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
38 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
39 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
40 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
41 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
42 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
43 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
44 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
45 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
46 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
47 Millican Solar	0.0	0.0	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 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
49 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
50 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
51 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
52 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
53 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
54 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
55 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
56 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
57 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
58 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
59 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
60 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
61 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
62 Prineville Solar	0.0	0.0	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 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
64 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
65 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
66 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
67 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
68 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
69 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
70 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
71 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
72 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
73 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
74 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
75 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
76 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
77 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
78 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
79 Wy'East Solar	0.0	0.0	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 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
81 **Total Non-Hydro Renewable - Solar**	**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
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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 Airport Solar	0.0	0.0	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 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
6 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
7 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
8 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
9 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
10 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
11 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
12 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
13 Blue Basin 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
14 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
15 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
16 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
17 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
18 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
19 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
20 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
21 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
22 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
23 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
24 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
25 Dayton Cuttoff Solar	0.0	0.0	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 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
27 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
28 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
29 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
30 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
31 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
32 Garrett Solar	0.0	0.0	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 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
34 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
35 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
36 Horn Rapids Solar	0.0	0.0	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 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
38 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
39 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
40 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
41 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
42 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
43 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
44 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
45 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
46 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
47 Millican Solar	0.0	0.0	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 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
49 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
50 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
51 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
52 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
53 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
54 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
55 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
56 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
57 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
58 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
59 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
60 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
61 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
62 Prineville Solar	0.0	0.0	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 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
64 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
65 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
66 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
67 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
68 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
69 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
70 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
71 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
72 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
73 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
74 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
75 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
76 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
77 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
78 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
79 Wy'East Solar	0.0	0.0	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 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
81 **Total Non-Hydro Renewable - Solar**	**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
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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 Airport Solar	0.0	0.0	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 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
6 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
7 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
8 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
9 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
10 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
11 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
12 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
13 Blue Basin 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
14 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
15 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
16 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
17 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
18 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
19 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
20 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
21 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
22 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
23 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
24 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
25 Dayton Cuttoff Solar	0.0	0.0	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 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
27 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
28 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
29 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
30 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
31 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
32 Garrett Solar	0.0	0.0	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 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
34 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
35 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
36 Horn Rapids Solar	0.0	0.0	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 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
38 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
39 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
40 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
41 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
42 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
43 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
44 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
45 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
46 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
47 Millican Solar	0.0	0.0	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 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
49 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
50 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
51 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
52 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
53 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
54 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
55 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
56 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
57 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
58 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
59 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
60 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
61 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
62 Prineville Solar	0.0	0.0	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 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
64 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
65 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
66 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
67 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
68 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
69 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
70 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
71 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
72 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
73 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
74 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
75 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
76 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
77 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
78 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
79 Wy'East Solar	0.0	0.0	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 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
81 **Total Non-Hydro Renewable - Solar**	**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
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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 Airport Solar	0.0	0.0	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 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
6 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
7 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
8 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
9 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
10 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
11 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
12 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
13 Blue Basin 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
14 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
15 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
16 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
17 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
18 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
19 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
20 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
21 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
22 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
23 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
24 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
25 Dayton Cuttoff Solar	0.0	0.0	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 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
27 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
28 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
29 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
30 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
31 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
32 Garrett Solar	0.0	0.0	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 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
34 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
35 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
36 Horn Rapids Solar	0.0	0.0	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 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
38 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
39 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
40 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
41 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
42 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
43 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
44 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
45 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
46 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
47 Millican Solar	0.0	0.0	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 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
49 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
50 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
51 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
52 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
53 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
54 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
55 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
56 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
57 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
58 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
59 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
60 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
61 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
62 Prineville Solar	0.0	0.0	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 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
64 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
65 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
66 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
67 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
68 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
69 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
70 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
71 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
72 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
73 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
74 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
75 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
76 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
77 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
78 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
79 Wy'East Solar	0.0	0.0	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 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
81 **Total Non-Hydro Renewable - Solar**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Regional: Non-Hydro Renewable - Solar
Operating Year: 2030 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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 Airport Solar	0.0	0.0	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 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
6 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
7 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
8 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
9 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
10 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
11 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
12 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
13 Blue Basin 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
14 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
15 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
16 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
17 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
18 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
19 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
20 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
21 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
22 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
23 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
24 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
25 Dayton Cuttoff Solar	0.0	0.0	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 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
27 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
28 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
29 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
30 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
31 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
32 Garrett Solar	0.0	0.0	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 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
34 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
35 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
36 Horn Rapids Solar	0.0	0.0	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 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
38 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
39 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
40 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
41 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
42 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
43 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
44 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
45 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
46 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
47 Millican Solar	0.0	0.0	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 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
49 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
50 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
51 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
52 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
53 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
54 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
55 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
56 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
57 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
58 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
59 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
60 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
61 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
62 Prineville Solar	0.0	0.0	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 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
64 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
65 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
66 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
67 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
68 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
69 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
70 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
71 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
72 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
73 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
74 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
75 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
76 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
77 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
78 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
79 Wy'East Solar	0.0	0.0	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 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
81 **Total Non-Hydro Renewable - Solar**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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Exhibit 8
Regional Non-Hydro Renewable - Other

Monthly Capacity
Operating Year 2021 to 2030

Regional: Non-Hydro Renewable - Other
Operating Year: 2021 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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
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
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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
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
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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
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
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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
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
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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
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
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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
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: 2027 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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
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
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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
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
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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
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: 20230 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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
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 2021 to 2030

Regional: Thermal - Nuclear

Operating Year: 2021 Water Year: 1937

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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 - Nuclear**	**1163**	**1163**	**1179**	**1181**	**1179**	**1180**	**1169**	**1169**	**1169**	**1160**	**1160**	**0**	**0**	**1168**

Regional: Thermal - Nuclear

Operating Year: 2022 Water Year: 1937

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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 - Nuclear**	**1163**	**1163**	**1179**	**1181**	**1179**	**1180**	**1169**	**1169**	**1169**	**1160**	**1160**	**1151**	**1154**	**1168**

Regional: Thermal - Nuclear

Operating Year: 2023 Water Year: 1937

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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 - Nuclear**	**1163**	**1163**	**1179**	**1181**	**1179**	**1180**	**1169**	**1169**	**1169**	**1160**	**1160**	**0**	**0**	**1168**

Regional: Thermal - Nuclear

Operating Year: 2024 Water Year: 1937

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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 - Nuclear**	**1163**	**1163**	**1179**	**1181**	**1179**	**1180**	**1169**	**1169**	**1169**	**1160**	**1160**	**1151**	**1154**	**1168**

Regional: Thermal - Nuclear

Operating Year: 2025 Water Year: 1937

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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 - Nuclear**	**1163**	**1163**	**1179**	**1181**	**1179**	**1180**	**1169**	**1169**	**1169**	**1160**	**1160**	**0**	**0**	**1168**

Regional: Thermal - Nuclear

Operating Year: 2026 Water Year: 1937

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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 - Nuclear**	**1163**	**1163**	**1179**	**1181**	**1179**	**1180**	**1169**	**1169**	**1169**	**1160**	**1160**	**1151**	**1154**	**1168**

Regional: Thermal - Nuclear

Operating Year: 2027 Water Year: 1937

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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 - Nuclear**	**1163**	**1163**	**1179**	**1181**	**1179**	**1180**	**1169**	**1169**	**1169**	**1160**	**1160**	**0**	**0**	**1168**

Regional: Thermal - Nuclear

Operating Year: 2028 Water Year: 1937

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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 - Nuclear**	**1163**	**1163**	**1179**	**1181**	**1179**	**1180**	**1169**	**1169**	**1169**	**1160**	**1160**	**1151**	**1154**	**1168**

Regional: Thermal - Nuclear

Operating Year: 2029 Water Year: 1937

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

	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 - Nuclear**	**1163**	**1163**	**1179**	**1181**	**1179**	**1180**	**1169**	**1169**	**1169**	**1160**	**1160**	**0**	**0**	**1168**

Regional: Thermal - Nuclear

Operating Year: 2030 Water Year: 1937

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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 - Nuclear**	**1163**	**1163**	**1179**	**1181**	**1179**	**1180**	**1169**	**1169**	**1169**	**1160**	**1160**	**1151**	**1154**	**1168**

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Exhibit 10
Regional Thermal - Coal

Monthly Capacity Operating
Year 2021 to 2030

Regional: Thermal - Coal
Operating Year: 2021 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1258.0	1202.5	1202.5	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	260.5	260.5	260.5	260.5	260.5	260.5	260.5	260.5
7 **Total Thermal - Coal**	**5561**	**5561**	**5560**	**5561**	**5561**	**4892**	**4322**	**4322**	**4321**	**4321**	**4321**	**3932**	**4265**	**4320**

Regional: Thermal - Coal
Operating Year: 2022 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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	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	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**	**4321**	**4321**	**4320**	**4321**	**4321**	**4322**	**4195**	**4195**	**4194**	**3119**	**3119**	**4196**	**4193**	**4193**

Regional: Thermal - Coal
Operating Year: 2023 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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	1202.5	1202.5	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**	**4140**	**4138**	**4193**

Regional: Thermal - Coal
Operating Year: 2024 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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	1202.5	1202.5	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**	**3805**	**4138**	**4193**

Regional: Thermal - Coal
Operating Year: 2025 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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	1202.5	1202.5	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**	**3805**	**4138**	**4193**

Regional: Thermal - Coal
Operating Year: 2026 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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	1202.5	1202.5	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**	**3337**	**3334**	**3389**

Regional: Thermal - Coal
Operating Year: 2027 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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	1202.5	1202.5	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**	**3337**	**3334**	**3389**

Regional: Thermal - Coal
Operating Year: 2028 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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	1202.5	1202.5	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**	**3337**	**3334**	**3389**

Regional: Thermal - Coal
Operating Year: 2029 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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	1202.5	1202.5	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**	**3337**	**3334**	**3389**

Regional: Thermal - Coal
Operating Year: 2030 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

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	1202.5	1202.5	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**	**3337**	**3334**	**3389**

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Exhibit 11
Regional Thermal – Natural Gas

Monthly Capacity
Operating Year 2021 to 2030

Regional: Thermal - Natural Gas
Operating Year: 2021 Water Year: 1937
2019 White Book Report Date: 2/5/2020

S184-WB-20191230-103442

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	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
11 Frederickson Power Project	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
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	60.0	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	250.3	626.3	620.9	617.5
25 Rathdrum	138.7	138.7	142.5	116.0	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**	**6618**	**6749**	**6819**	**6825**	**6778**	**6730**	**6687**	**5252**	**6144**	**6025**	**6465**

Regional: Thermal - Natural Gas
Operating Year: 2022 Water Year: 1937
2019 White Book Report Date: 2/5/2020

S184-WB-20191230-103442

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	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
11 Frederickson Power Project	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
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	60.0	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	250.3	250.3	626.3	620.9	617.5
25 Rathdrum	138.7	138.7	142.5	116.0	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**	**6618**	**6749**	**6819**	**6825**	**6778**	**6730**	**6307**	**5252**	**6144**	**6025**	**6465**

Regional: Thermal - Natural Gas
Operating Year: 2023 Water Year: 1937
2019 White Book Report Date: 2/5/2020

S184-WB-20191230-103442

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	146.1	146.1	119.0	122.4	125.9	127.6	128.0	126.2	125.4	123.8	123.8	121.1	118.5	117.3
11 Frederickson Power Project	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
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	60.0	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	116.0	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**	**6493**	**6590**	**6720**	**6787**	**6793**	**6747**	**6699**	**6656**	**5601**	**6114**	**5996**	**6436**

Regional: Thermal - Natural Gas
Operating Year: 2024 Water Year: 1937
2019 White Book Report Date: 2/5/2020

S184-WB-20191230-103442

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	506.0	502.0	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	116.8	116.8	119.0	122.4	125.9	127.6	128.0	126.2	125.4	123.8	123.8	121.1	118.5	117.3
11 Frederickson Power Project	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
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	60.0	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	250.3	250.3	626.3	620.9	617.5
25 Rathdrum	138.7	138.7	142.5	116.0	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**	**6434**	**6434**	**6493**	**6588**	**6717**	**6787**	**6793**	**6727**	**6679**	**6276**	**5221**	**6114**	**5996**	**6436**

Regional: Thermal - Natural Gas
Operating Year: 2025 Water Year: 1937
2019 White Book Report Date: 2/5/2020

S184-WB-20191230-103442

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	506.0	502.0	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	116.8	116.8	119.0	122.4	125.9	127.6	128.0	126.2	125.4	123.8	123.8	121.1	118.5	117.3
11 Frederickson Power Project	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
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	60.0	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	250.3	250.3	626.3	620.9	617.5
25 Rathdrum	138.7	138.7	142.5	116.0	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**	**6434**	**6434**	**6493**	**6588**	**6717**	**6787**	**6793**	**6727**	**6679**	**6276**	**5221**	**6114**	**5996**	**6436**

Regional: Thermal - Natural Gas
Operating Year: 2026 Water Year: 1937
2019 White Book Report Date: 2/5/2020

S184-WB-20191230-103442

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	506.0	502.0	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	116.8	116.8	119.0	122.4	125.9	127.6	128.0	126.2	125.4	123.8	123.8	121.1	118.5	117.3
11 Frederickson Power Project	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
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	60.0	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	250.3	250.3	626.3	620.9	617.5
25 Rathdrum	138.7	138.7	142.5	116.0	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**	**6434**	**6434**	**6493**	**6588**	**6717**	**6787**	**6793**	**6727**	**6679**	**6276**	**5221**	**6114**	**5996**	**6436**

Regional: Thermal - Natural Gas
Operating Year: 2027 Water Year: 1937
2019 White Book Report Date: 2/5/2020

S184-WB-20191230-103442

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	506.0	502.0	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	116.8	116.8	119.0	122.4	125.9	127.6	128.0	126.2	125.4	123.8	123.8	121.1	118.5	117.3
11 Frederickson Power Project	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
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	60.0	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	250.3	250.3	626.3	620.9	617.5
25 Rathdrum	138.7	138.7	142.5	116.0	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**	**6434**	**6434**	**6493**	**6590**	**6720**	**6787**	**6793**	**6727**	**6679**	**6276**	**5221**	**6114**	**5996**	**6436**

Regional: Thermal - Natural Gas
Operating Year: 2028 Water Year: 1937
2019 White Book Report Date: 2/5/2020

S184-WB-20191230-103442

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	506.0	502.0	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	116.8	116.8	119.0	122.4	125.9	127.6	128.0	126.2	125.4	123.8	123.8	121.1	118.5	117.3
11 Frederickson Power Project	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
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	60.0	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	250.3	250.3	626.3	620.9	617.5
25 Rathdrum	138.7	138.7	142.5	116.0	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**	**6434**	**6434**	**6493**	**6588**	**6717**	**6787**	**6793**	**6727**	**6679**	**6276**	**5221**	**6114**	**5996**	**6436**

Regional: Thermal - Natural Gas
Operating Year: 2029 Water Year: 1937
2019 White Book Report Date: 2/5/2020

S184-WB-20191230-103442

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	506.0	502.0	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	116.8	116.8	119.0	122.4	125.9	127.6	128.0	126.2	125.4	123.8	123.8	121.1	118.5	117.3
11 Frederickson Power Project	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
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	60.0	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	250.3	250.3	626.3	620.9	617.5
25 Rathdrum	138.7	138.7	142.5	116.0	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**	**6434**	**6434**	**6493**	**6588**	**6717**	**6787**	**6793**	**6727**	**6679**	**6276**	**5221**	**6114**	**5996**	**6436**

Regional: Thermal - Natural Gas
Operating Year: 2030 Water Year: 1937
2019 White Book Report Date: 2/5/2020

S184-WB-20191230-103442

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	506.0	502.0	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	116.8	116.8	119.0	122.4	125.9	127.6	128.0	126.2	125.4	123.8	123.8	121.1	118.5	117.3
11 Frederickson Power Project	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
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	60.0	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	250.3	250.3	626.3	620.9	617.5
25 Rathdrum	138.7	138.7	142.5	116.0	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**	**6434**	**6434**	**6493**	**6588**	**6717**	**6787**	**6793**	**6727**	**6679**	**6276**	**5221**	**6114**	**5996**	**6436**

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Exhibit 12
Regional Thermal - Petroleum

Monthly Capacity
Operating Year 2021 to 2030

Regional: Thermal - Petroleum
Operating Year: 2021 Water Year: 1937
2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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
2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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
2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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
2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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
2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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
2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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
2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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
2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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
2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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: 2030 Water Year: 1937
2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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 2021 to 2030

Regional: Thermal - Biofuel
Operating Year: 2021 Water Year: 1937
2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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
2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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
2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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
2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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
2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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
2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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
2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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
2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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
2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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: 2030 Water Year: 1937
2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

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 2021 to 2030

Regional: Thermal - Cogeneration
Operating Year: 2021 Water Year: 1937
2019 White Book Report Date: 2/5/2020

S184-WB-20191230-103442

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	0.0	0.0	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	36.0	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**	**2368**	**1888**	**2112**	**2618**	**2611**

Regional: Thermal - Cogeneration
Operating Year: 2022 Water Year: 1937
2019 White Book Report Date: 2/5/2020

S184-WB-20191230-103442

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	0.0	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	36.0	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**	**1896**	**2133**	**2112**	**2618**	**2611**

Regional: Thermal - Cogeneration
Operating Year: 2023 Water Year: 1937
2019 White Book Report Date: 2/5/2020

S184-WB-20191230-103442

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	0.0	0.0	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	36.0	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**	**2368**	**1888**	**2112**	**2618**	**2611**

Regional: Thermal - Cogeneration
Operating Year: 2024 Water Year: 1937
2019 White Book Report Date: 2/5/2020

S184-WB-20191230-103442

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	0.0	0.0	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	36.0	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**	**2368**	**1888**	**2112**	**2618**	**2611**

Regional: Thermal - Cogeneration
Operating Year: 2025 Water Year: 1937
2019 White Book Report Date: 2/5/2020

S184-WB-20191230-103442

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	0.0	0.0	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	36.0	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**	**1896**	**1888**	**2112**	**2618**	**2611**

Regional: Thermal - Cogeneration
Operating Year: 2026 Water Year: 1937
2019 White Book Report Date: 2/5/2020

S184-WB-20191230-103442

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	0.0	0.0	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	36.0	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**	**2368**	**1888**	**2112**	**2618**	**2611**

Regional: Thermal - Cogeneration
Operating Year: 2027 Water Year: 1937
2019 White Book Report Date: 2/5/2020

S184-WB-20191230-103442

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	0.0	0.0	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	36.0	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**	**2368**	**1888**	**2112**	**2618**	**2611**

Regional: Thermal - Cogeneration
Operating Year: 2028 Water Year: 1937
2019 White Book Report Date: 2/5/2020

S184-WB-20191230-103442

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	0.0	0.0	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	36.0	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**	**1896**	**1888**	**2112**	**2618**	**2611**

Regional: Thermal - Cogeneration
Operating Year: 2029 Water Year: 1937
2019 White Book Report Date: 2/5/2020

S184-WB-20191230-103442

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	0.0	0.0	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	36.0	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**	**2368**	**1888**	**2112**	**2618**	**2611**

Regional: Thermal - Cogeneration
Operating Year: 2030 Water Year: 1937
2019 White Book Report Date: 2/5/2020

S184-WB-20191230-103442

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	0.0	0.0	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	36.0	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**	**2368**	**1888**	**2112**	**2618**	**2611**

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Exhibit 15
Non-Federal CER Deliveries to BPA

Monthly Capacity
Operating Year 2021 to 2030

Non-Federal CER Deliveries to BPA

Operating Year: 2021

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
2	CHPD to BPA CEAEA for Rocky Reach	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	65.0
3	DOPD to BPA CEAEA for Wells	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
4	GCPD to BPA CEAEA for Priest Rapids	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
5	GCPD to BPA CEAEA for Wanapum	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
6	**Total Imports From PNW**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**

Non-Federal CER Deliveries to BPA

Operating Year: 2022

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
2	CHPD to BPA CEAEA for Rocky Reach	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	65.0
3	DOPD to BPA CEAEA for Wells	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
4	GCPD to BPA CEAEA for Priest Rapids	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
5	GCPD to BPA CEAEA for Wanapum	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
6	**Total Imports From PNW**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**

Non-Federal CER Deliveries to BPA

Operating Year: 2023

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
2	CHPD to BPA CEAEA for Rocky Reach	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	65.0
3	DOPD to BPA CEAEA for Wells	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
4	GCPD to BPA CEAEA for Priest Rapids	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
5	GCPD to BPA CEAEA for Wanapum	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
6	**Total Imports From PNW**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**

Non-Federal CER Deliveries to BPA

Operating Year: 2024

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
2	CHPD to BPA CEAEA for Rocky Reach	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	65.0
3	DOPD to BPA CEAEA for Wells	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
4	GCPD to BPA CEAEA for Priest Rapids	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
5	GCPD to BPA CEAEA for Wanapum	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
6	**Total Imports From PNW**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**

Non-Federal CER Deliveries to BPA

Operating Year: 2025

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
2	CHPD to BPA CEAEA for Rocky Reach	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	65.0
3	DOPD to BPA CEAEA for Wells	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
4	GCPD to BPA CEAEA for Priest Rapids	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
5	GCPD to BPA CEAEA for Wanapum	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
6	**Total Imports From PNW**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**

Non-Federal CER Deliveries to BPA

Operating Year: 2026

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
2	CHPD to BPA CEAEA for Rocky Reach	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	65.0
3	DOPD to BPA CEAEA for Wells	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
4	GCPD to BPA CEAEA for Priest Rapids	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
5	GCPD to BPA CEAEA for Wanapum	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
6	**Total Imports From PNW**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**

Non-Federal CER Deliveries to BPA

Operating Year: 2027

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
2	CHPD to BPA CEAEA for Rocky Reach	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	65.0
3	DOPD to BPA CEAEA for Wells	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
4	GCPD to BPA CEAEA for Priest Rapids	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
5	GCPD to BPA CEAEA for Wanapum	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
6	**Total Imports From PNW**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**

Non-Federal CER Deliveries to BPA

Operating Year: 2028

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
2	CHPD to BPA CEAEA for Rocky Reach	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	65.0
3	DOPD to BPA CEAEA for Wells	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
4	GCPD to BPA CEAEA for Priest Rapids	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
5	GCPD to BPA CEAEA for Wanapum	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
6	**Total Imports From PNW**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**

Non-Federal CER Deliveries to BPA

Operating Year: 2029

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
2	CHPD to BPA CEAEA for Rocky Reach	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	65.0
3	DOPD to BPA CEAEA for Wells	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
4	GCPD to BPA CEAEA for Priest Rapids	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
5	GCPD to BPA CEAEA for Wanapum	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
6	**Total Imports From PNW**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**

Non-Federal CER Deliveries to BPA

Operating Year: 2030

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
2	CHPD to BPA CEAEA for Rocky Reach	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	65.0
3	DOPD to BPA CEAEA for Wells	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
4	GCPD to BPA CEAEA for Priest Rapids	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
5	GCPD to BPA CEAEA for Wanapum	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
6	**Total Imports From PNW**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**
	Total Imports														
7	Federal Entities	2370	2370	2370	2370	2370	2370	2370	2370	2370	2370	2370	2370	2370	2370
8	**Total Imports**	**2370**	**2370**	**2370**	**2370**	**2370**	**2370**	**2370**	**2370**	**2370**	**2370**	**2370**	**2370**	**2370**	**2370**

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Section 2: Monthly 120-Hour Capacity Operating Year 2021 to 2030

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Exhibit 16
Federal Report Surplus Deficit

Monthly 120-Hour Capacity
Operating Year 2021 to 2030
Using 1937-Water Conditions

Loads and Resources - Federal System

Operating Year: 2021 Water Year: 1937

2019 White Book Report Date: **3/4/2020**

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
1	**Load Following**	4168	3886	3551	3541	4091	4603	4640	4367	3886	3941	3787	3691	3898	4235
2	Preference Customers	4303	4303	3949	4198	4892	5541	5500	5210	4693	4431	4431	4085	4173	4430
3	Federal Agencies	145	145	136	150	185	220	231	215	190	165	165	157	154	167
4	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
5	Federal Diversity	-883	-1165	-1061	-1190	-1191	-1434	-1375	-1323	-1362	-1093	-1247	-1078	-1008	-979
6	**Tier 1 Block**	409	409	679	541	964	921	1047	933	872	431	431	162	21.1	359
7	Tier 1 Block	409	409	679	541	964	921	1047	933	872	431	431	162	21.1	359
8	**Slice**	3263	3175	3267	2936	3665	3831	3565	3426	3177	2724	2485	2746	3503	3406
9	Slice Block	1181	1181	1126	1191	1392	1598	1591	1459	1346	1250	1250	1211	1187	1243
10	Slice Output from T1 System	2081	1994	2141	1745	2273	2233	1974	1967	1832	1475	1235	1535	2316	2163
11	**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
12	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
13	**Contract Deliveries**	1634	1719	1573	1423	1413	1413	1511	1511	1504	1504	1504	1504	1504	1525
14	Exports	1383	1468	1322	1322	1322	1322	1295	1295	1295	1295	1295	1295	1295	1316
15	Intra-Regional Transfers (Out)	251	251	251	101	91.4	91.4	216	216	209	209	209	209	209	209
16	Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Total Firm Obligations**	**9485**	**9201**	**9082**	**8454**	**10145**	**10780**	**10775**	**10249**	**9451**	**8613**	**8218**	**8115**	**8937**	**9537**
	Net Resources														
18	**Hydro**	10926	10611	11051	9075	11331	11221	10114	10061	9532	7974	6871	9507	13154	11344
19	Regulated Hydro - Net	10353	10047	10526	8599	10910	10905	9911	9831	9142	7356	6237	8687	12310	10735
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	0	0	1168
27	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
28	Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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**	430	428	431	405	418	417	411	410	407	398	393	400	419	290
34	Imports	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	1.00
35	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
36	Non-Federal CER	237	237	237	237	237	237	237	237	237	237	237	237	237	237
37	Slice Transmission Loss Return	50.1	48.0	51.5	42.0	54.7	53.8	47.5	47.4	44.1	35.5	29.7	37.0	55.7	52.1
38	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	**Reserves & Losses**	-1916	-1897	-1907	-1809	-1984	-1991	-1979	-1957	-1903	-1788	-1716	-1810	-2048	-1985
40	Operating Reserves	-704	-695	-690	-657	-760	-771	-735	-714	-677	-613	-577	-621	-739	-701
41	Balancing Reserves	-839	-839	-839	-840	-840	-840	-903	-903	-903	-903	-903	-903	-903	-903

Loads and Resources - Federal System

Operating Year: 2022 Water Year: 1937

2019 White Book Report Date: **3/4/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
42	Transmission Losses	-373	-363	-378	-312	-384	-380	-341	-340	-323	-272	-236	-287	-407	-381
43	**Total Net Resources**	**10603**	**10305**	**10754**	**8852**	**10944**	**10827**	**9714**	**9683**	**9205**	**7744**	**6707**	**8096**	**11525**	**10817**
44	**Total Surplus/Deficit**	**1,117**	**1,104**	**1,673**	**399**	**798**	**47**	**-1,061**	**-566**	**-246**	**-869**	**-1,511**	**-19**	**2,587**	**1,280**

Loads and Resources - Federal System

Operating Year: 2022 Water Year: 1937

2019 White Book Report Date: **3/4/2020**

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
45	**Load Following**	4182	3906	3573	3588	4099	4666	4659	4393	3915	3958	3782	3692	3899	4271
46	Preference Customers	4331	4331	3974	4209	4902	5553	5514	5225	4713	4444	4444	4095	4182	4440
47	Federal Agencies	162	162	152	162	198	234	244	227	202	172	172	161	157	170
48	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
49	Federal Diversity	-914	-1189	-1080	-1166	-1208	-1398	-1383	-1325	-1364	-1095	-1272	-1089	-1018	-957
50	**Tier 1 Block**	406	406	674	559	928	919	1045	932	870	430	430	162	20.6	370
51	Tier 1 Block	406	406	674	559	928	919	1045	932	870	430	430	162	20.6	370
52	**Slice**	3190	3123	2822	3046	3768	4006	3674	3540	3315	2836	2572	3138	3829	3510
53	Slice Block	1214	1214	1158	1289	1498	1710	1701	1564	1447	1350	1350	1307	1279	1335
54	Slice Output from T1 System	1976	1910	1664	1756	2269	2296	1974	1976	1868	1486	1222	1831	2550	2175
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**	1565	1650	1504	1504	1511	1511	1358	1358	1351	1351	1351	1351	1351	1372
58	Exports	1356	1441	1295	1295	1295	1295	1142	1142	1142	1142	1142	1142	1142	1163
59	Intra-Regional Transfers (Out)	209	209	209	209	216	216	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**	**9355**	**9099**	**8585**	**8709**	**10317**	**11114**	**10748**	**10235**	**9463**	**8587**	**8147**	**8355**	**9111**	**9535**
	Net Resources														
62	**Hydro**	10509	10290	8921	9193	11380	11576	10110	10103	9699	8026	6813	9718	13076	11397
63	Regulated Hydro - Net	9936	9726	8397	8717	10958	11261	9907	9873	9309	7409	6179	8899	12232	10789
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	1151	1154	1168
71	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
72	Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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**	286	284	278	280	293	293	286	286	283	274	267	282	299	290
78	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
79	Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	Non-Federal CER	237	237	237	237	237	237	237	237	237	237	237	237	237	237
81	Slice Transmission Loss Return	47.6	46.0	40.0	42.3	54.6	55.3	47.5	47.6	45.0	35.8	29.4	44.1	61.4	52.3
82	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	**Reserves & Losses**	-1931	-1917	-1815	-1856	-2028	-2072	-1987	-1967	-1921	-1789	-1710	-1878	-2088	-1999
84	Operating Reserves	-675	-668	-611	-643	-745	-784	-747	-728	-694	-616	-577	-647	-747	-714
85	Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903

Loads and Resources - Federal System

Operating Year: 2023 Water Year: 1937

2019 White Book Report Date: **3/4/2020** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
86	Transmission Losses	-353	-346	-301	-310	-380	-385	-336	-336	-324	-270	-230	-328	-439	-382
87	**Total Net Resources**	**10027**	**9819**	**8564**	**8798**	**10824**	**10977**	**9578**	**9590**	**9230**	**7671**	**6530**	**9273**	**12441**	**10857**
88	**Total Surplus/Deficit**	**671**	**721**	**-21**	**89**	**507**	**-136**	**-1,171**	**-644**	**-233**	**-917**	**-1,617**	**918**	**3,329**	**1,321**

Loads and Resources - Federal System

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
	Firm Obligations														
89	**Load Following**	4156	3830	3582	3612	4127	4692	4694	4416	3932	3998	3831	3677	3916	4287
90	Preference Customers	4342	4342	3984	4244	4938	5592	5547	5250	4744	4474	4474	4121	4208	4468
91	Federal Agencies	165	165	155	161	197	232	241	225	200	170	170	159	156	169
92	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
93	Federal Diversity	-954	-1280	-1084	-1176	-1214	-1408	-1379	-1324	-1377	-1085	-1251	-1130	-1026	-968
94	**Tier 1 Block**	392	392	674	557	915	908	1029	915	856	446	446	157	20.6	367
95	Tier 1 Block	392	392	674	557	915	908	1029	915	856	446	446	157	20.6	367
96	**Slice**	3284	3197	2922	3069	3797	4026	3704	3574	3351	2877	2607	2852	3537	3532
97	Slice Block	1308	1308	1255	1313	1525	1740	1731	1592	1473	1374	1374	1330	1302	1360
98	Slice Output from T1 System	1977	1889	1668	1757	2271	2286	1973	1982	1879	1503	1233	1522	2235	2172
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**	1412	1497	1351	1351	1358	1358	1358	1358	1351	1351	1351	1351	1351	1372
102	Exports	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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**	**9256**	**8928**	**8540**	**8602**	**10208**	**10996**	**10796**	**10276**	**9502**	**8684**	**8247**	**8048**	**8837**	**9570**
	Net Resources														
106	**Hydro**	10512	10193	8940	9195	11389	11528	10107	10129	9749	8104	6859	9444	12780	11384
107	Regulated Hydro - Net	9939	9630	8415	8719	10968	11212	9905	9899	9359	7486	6226	8625	11936	10776
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	0	0	1168
115	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
116	Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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**	286	283	278	280	293	293	285	286	283	274	268	275	292	290
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	237	237	237	237	237	237	237	237	237	237	237	237	237	237
125	Slice Transmission Loss Return	47.6	45.5	40.1	42.3	54.7	55.0	47.5	47.7	45.2	36.2	29.7	36.6	53.8	52.3
126	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	**Reserves & Losses**	-1942	-1922	-1826	-1867	-2040	-2082	-1992	-1973	-1929	-1798	-1717	-1826	-2035	-2002
128	Operating Reserves	-686	-676	-622	-655	-757	-795	-753	-733	-700	-623	-583	-644	-743	-717
129	Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903

Loads and Resources - Federal System

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
130	Transmission Losses	-353	-342	-301	-309	-380	-383	-336	-337	-326	-272	-231	-279	-389	-382
131	**Total Net Resources**	**10019**	**9718**	**8571**	**8789**	**10821**	**10919**	**9570**	**9610**	**9272**	**7740**	**6570**	**7892**	**11036**	**10840**
132	**Total Surplus/Deficit**	**763**	**790**	**31**	**187**	**613**	**-76**	**-1,226**	**-665**	**-230**	**-944**	**-1,677**	**-156**	**2,200**	**1,270**

Loads and Resources - Federal System

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
133	**Load Following**	4168	3847	3609	3624	4145	4751	4677	4380	3980	3961	3856	3692	3965	4255
134	Preference Customers	4370	4370	4010	4270	4965	5621	5575	5259	4771	4499	4499	4143	4231	4492
135	Federal Agencies	164	164	154	161	197	232	241	222	200	171	171	159	156	169
136	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
137	Federal Diversity	-968	-1289	-1081	-1191	-1223	-1379	-1424	-1366	-1355	-1147	-1252	-1138	-1000	-1025
138	**Tier 1 Block**	389	389	667	553	894	923	968	855	865	429	429	157	20.5	350
139	Tier 1 Block	389	389	667	553	894	923	968	855	865	429	429	157	20.5	350
140	**Slice**	3310	3220	2947	3038	3756	3984	3642	3475	3276	2835	2582	3102	3871	3497
141	Slice Block	1331	1331	1277	1286	1494	1705	1696	1506	1443	1346	1346	1303	1276	1333
142	Slice Output from T1 System	1979	1889	1670	1752	2262	2280	1946	1969	1834	1489	1236	1799	2595	2165
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**	1412	1497	1351	1351	1358	1358	1358	1358	1351	1351	1351	1351	1351	1372
146	Exports	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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**	**9292**	**8965**	**8586**	**8578**	**10165**	**11029**	**10656**	**10081**	**9485**	**8589**	**8231**	**8314**	**9219**	**9486**
	Net Resources														
150	**Hydro**	10522	10192	8950	9175	11346	11500	9983	10071	9542	8040	6875	9569	13284	11351
151	Regulated Hydro - Net	9949	9628	8425	8699	10925	11184	9780	9841	9152	7422	6242	8749	12440	10743
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	1151	1154	1168
159	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
160	Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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**	286	283	278	280	292	293	285	285	282	274	268	281	300	290
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	237	237	237	237	237	237	237	237	237	237	237	237	237	237
169	Slice Transmission Loss Return	47.6	45.5	40.2	42.2	54.4	54.9	46.8	47.4	44.1	35.8	29.7	43.3	62.5	52.1
170	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171	**Reserves & Losses**	-1946	-1925	-1830	-1869	-2040	-2083	-1987	-1972	-1919	-1806	-1730	-1866	-2108	-2003
172	Operating Reserves	-690	-680	-626	-657	-759	-798	-752	-734	-697	-634	-596	-640	-760	-719
173	Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
174	Transmission Losses	-353	-342	-301	-309	-378	-382	-332	-335	-319	-270	-231	-323	-445	-381
175	**Total Net Resources**	**10025**	**9713**	**8577**	**8767**	**10777**	**10889**	**9450**	**9553**	**9074**	**7667**	**6572**	**9135**	**12630**	**10807**
176	**Total Surplus/Deficit**	**733**	**748**	**-9**	**189**	**612**	**-139**	**-1,207**	**-528**	**-411**	**-922**	**-1,658**	**821**	**3,411**	**1,321**

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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**	4151	3930	3666	3599	4165	4751	4696	4472	3973	3984	3885	3695	3982	4261
178	Preference Customers	4393	4393	4031	4298	4994	5651	5605	5312	4791	4526	4526	4167	4255	4517
179	Federal Agencies	164	164	154	162	199	234	243	227	202	172	172	161	157	170
180	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
181	Federal Diversity	-1009	-1230	-1045	-1245	-1232	-1411	-1437	-1332	-1385	-1152	-1251	-1159	-1008	-1044
182	**Tier 1 Block**	384	384	683	532	890	919	963	886	861	428	428	156	20.5	348
183	Tier 1 Block	384	384	683	532	890	919	963	886	861	428	428	156	20.5	348
184	**Slice**	3283	3187	2916	3056	3794	4021	3696	3563	3304	2859	2609	2830	3608	3505
185	Slice Block	1305	1305	1251	1308	1520	1734	1725	1587	1468	1370	1370	1326	1298	1355
186	Slice Output from T1 System	1978	1883	1664	1748	2274	2286	1971	1976	1836	1489	1240	1504	2310	2150
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**	1412	1497	1351	1351	1358	1358	1358	1358	1351	1351	1351	1351	1351	1372
190	Exports	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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**	**9242**	**9011**	**8628**	**8551**	**10220**	**11061**	**10725**	**10291**	**9501**	**8634**	**8285**	**8044**	**8973**	**9499**
	Net Resources														
194	**Hydro**	10519	10165	8924	9155	11403	11531	10097	10100	9554	8040	6892	9364	13126	11281
195	Regulated Hydro - Net	9946	9601	8399	8679	10981	11216	9894	9870	9164	7422	6258	8545	12282	10673
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	0	0	1168
203	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
204	Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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**	286	283	278	280	293	293	285	286	282	274	268	274	294	290
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	237	237	237	237	237	237	237	237	237	237	237	237	237	237
213	Slice Transmission Loss Return	47.6	45.3	40.1	42.1	54.7	55.0	47.4	47.6	44.2	35.8	29.8	36.2	55.6	51.7
214	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215	**Reserves & Losses**	-1948	-1926	-1831	-1870	-2046	-2087	-1996	-1976	-1921	-1808	-1732	-1816	-2060	-1999
216	Operating Reserves	-692	-682	-627	-659	-763	-801	-757	-737	-699	-635	-598	-636	-757	-718
217	Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
218	Transmission Losses	-353	-341	-301	-308	-380	-383	-336	-336	-319	-269	-232	-277	-401	-378
219	**Total Net Resources**	**10019**	**9685**	**8551**	**8747**	**10828**	**10917**	**9556**	**9579**	**9085**	**7666**	**6587**	**7823**	**11359**	**10740**
220	**Total Surplus/Deficit**	**777**	**675**	**-77**	**196**	**609**	**-144**	**-1,170**	**-712**	**-416**	**-968**	**-1,699**	**-221**	**2,386**	**1,241**

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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**	4194	3978	3649	3629	4210	4727	4720	4517	4011	4000	3901	3747	3948	4264
222	Preference Customers	4418	4418	4054	4324	5020	5680	5634	5341	4825	4551	4551	4189	4276	4539
223	Federal Agencies	165	165	155	163	199	234	244	227	202	172	172	161	158	170
224	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
225	Federal Diversity	-992	-1207	-1086	-1241	-1215	-1464	-1442	-1317	-1380	-1162	-1260	-1129	-1064	-1064
226	**Tier 1 Block**	396	396	654	531	924	885	961	884	859	427	427	161	20.4	348
227	Tier 1 Block	396	396	654	531	924	885	961	884	859	427	427	161	20.4	348
228	**Slice**	3303	3218	2936	3029	3762	3979	3655	3524	3268	2825	2576	3050	3826	3484
229	Slice Block	1327	1327	1273	1280	1487	1697	1688	1553	1436	1340	1340	1297	1270	1326
230	Slice Output from T1 System	1976	1891	1664	1748	2275	2282	1967	1972	1832	1485	1236	1753	2556	2158
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	1158	1158	1151	1151	1151	1151	1151	1172
234	Exports	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
235	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
236	Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
237	**Total Firm Obligations**	**9318**	**9102**	**8603**	**8552**	**10265**	**10960**	**10506**	**10095**	**9302**	**8415**	**8067**	**8121**	**8957**	**9280**
	Net Resources														
238	**Hydro**	10509	10205	8920	9157	11404	11512	10078	10082	9536	8021	6873	9356	13107	11319
239	Regulated Hydro - Net	9936	9641	8396	8681	10982	11197	9876	9852	9146	7403	6239	8537	12263	10711
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	1151	1154	1168
247	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
248	Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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**	286	284	278	280	293	293	285	285	282	274	268	280	300	290
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	237	237	237	237	237	237	237	237	237	237	237	237	237	237
257	Slice Transmission Loss Return	47.6	45.5	40.0	42.1	54.7	54.9	47.3	47.5	44.1	35.7	29.7	42.2	61.5	51.9
258	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
259	**Reserves & Losses**	-1948	-1929	-1832	-1871	-2047	-2068	-1977	-1958	-1902	-1789	-1714	-1846	-2081	-1984
260	Operating Reserves	-693	-684	-628	-660	-764	-782	-739	-719	-680	-616	-579	-627	-738	-701
261	Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903

Loads and Resources - Federal System

Operating Year: 2027 Water Year: 1937

2019 White Book Report Date: **3/4/2020** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
262	Transmission Losses	-353	-342	-300	-308	-380	-383	-335	-336	-319	-269	-232	-316	-440	-380
263	**Total Net Resources**	**10009**	**9722**	**8546**	**8747**	**10828**	**10917**	**9556**	**9578**	**9085**	**7666**	**6587**	**8941**	**12480**	**10793**
264	**Total Surplus/Deficit**	**691**	**619**	**-57**	**195**	**563**	**-43**	**-950**	**-517**	**-217**	**-749**	**-1,480**	**820**	**3,523**	**1,512**

Loads and Resources - Federal System

Operating Year: 2027 Water Year: 1937

2019 White Book Report Date: **3/4/2020**

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
265	**Load Following**	4222	4014	3657	3650	4216	4759	4783	4537	4007	4019	3912	3777	3975	4298
266	Preference Customers	4440	4440	4074	4354	5051	5713	5666	5366	4855	4581	4581	4215	4302	4567
267	Federal Agencies	165	165	155	163	200	235	245	228	203	172	172	161	158	171
268	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
269	Federal Diversity	-986	-1194	-1099	-1250	-1241	-1466	-1413	-1323	-1415	-1172	-1279	-1126	-1063	-1058
270	**Tier 1 Block**	395	395	653	531	924	885	997	885	830	427	427	161	20.4	348
271	Tier 1 Block	395	395	653	531	924	885	997	885	830	427	427	161	20.4	348
272	**Slice**	3271	3186	2905	3050	3787	4013	3689	3556	3298	2852	2603	2826	3601	3499
273	Slice Block	1299	1299	1246	1306	1517	1731	1722	1584	1465	1367	1367	1323	1295	1353
274	Slice Output from T1 System	1972	1887	1659	1744	2270	2283	1967	1972	1833	1485	1236	1503	2306	2146
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**	1212	1297	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1172
278	Exports	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
279	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
280	Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
281	**Total Firm Obligations**	**9113**	**8904**	**8378**	**8395**	**10097**	**10827**	**10639**	**10147**	**9297**	**8461**	**8105**	**7927**	**8759**	**9329**
	Net Resources														
282	**Hydro**	10490	10186	8902	9138	11385	11514	10080	10083	9537	8022	6874	9357	13108	11264
283	Regulated Hydro - Net	9917	9622	8377	8662	10964	11198	9877	9853	9147	7404	6241	8538	12264	10655
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	0	0	1168
291	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
292	Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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**	285	283	278	280	293	293	285	285	282	274	268	274	294	290
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	237	237	237	237	237	237	237	237	237	237	237	237	237	237
301	Slice Transmission Loss Return	47.5	45.4	39.9	42.0	54.7	54.9	47.3	47.5	44.1	35.7	29.7	36.2	55.5	51.6
302	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
303	**Reserves & Losses**	-1930	-1911	-1813	-1852	-2028	-2070	-1978	-1959	-1903	-1790	-1715	-1808	-2043	-1982
304	Operating Reserves	-674	-665	-609	-641	-745	-784	-740	-720	-681	-618	-580	-628	-739	-701
305	Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903

Loads and Resources - Federal System

Operating Year: 2028 Water Year: 1937

2019 White Book Report Date: **3/4/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
306	Transmission Losses	-353	-342	-300	-308	-380	-383	-335	-336	-319	-269	-232	-277	-401	-378
307	**Total Net Resources**	**10009**	**9722**	**8546**	**8747**	**10828**	**10917**	**9556**	**9578**	**9085**	**7666**	**6587**	**7823**	**11359**	**10740**
308	**Total Surplus/Deficit**	**896**	**817**	**168**	**352**	**731**	**90**	**-1,083**	**-569**	**-212**	**-796**	**-1,519**	**-104**	**2,600**	**1,411**

Loads and Resources - Federal System

Operating Year: 2028 Water Year: 1937

2019 White Book Report Date: **3/4/2020**

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
309	**Load Following**	4246	4033	3677	3703	4188	4780	4814	4509	4025	4042	3966	3763	3997	4374
310	Preference Customers	4467	4467	4100	4380	5079	5742	5696	5375	4882	4607	4607	4237	4323	4588
311	Federal Agencies	166	166	155	163	200	235	245	225	203	173	173	161	158	171
312	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
313	Federal Diversity	-990	-1203	-1105	-1224	-1296	-1474	-1411	-1356	-1425	-1176	-1251	-1162	-1063	-1003
314	**Tier 1 Block**	395	395	653	551	890	886	998	851	831	443	443	156	20.5	360
315	Tier 1 Block	395	395	653	551	890	886	998	851	831	443	443	156	20.5	360
316	**Slice**	3297	3212	2930	3027	3760	3982	3658	3473	3271	2827	2578	3052	3828	3487
317	Slice Block	1325	1325	1271	1282	1489	1699	1691	1501	1438	1342	1342	1299	1271	1328
318	Slice Output from T1 System	1972	1887	1660	1745	2271	2283	1967	1972	1833	1485	1236	1753	2557	2158
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	1203	1288	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**	**9163**	**8950**	**8423**	**8443**	**10008**	**10818**	**10641**	**10004**	**9289**	**8475**	**8150**	**8134**	**9008**	**9406**
	Net Resources														
326	**Hydro**	10491	10187	8903	9139	11386	11515	10081	10083	9538	8023	6875	9358	13109	11321
327	Regulated Hydro - Net	9918	9623	8378	8663	10965	11200	9878	9854	9148	7406	6242	8539	12265	10713
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	1151	1154	1168
335	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
336	Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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**	285	283	278	280	293	293	285	285	282	274	268	280	300	290
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	237	237	237	237	237	237	237	237	237	237	237	237	237	237
345	Slice Transmission Loss Return	47.5	45.4	39.9	42.0	54.7	55.0	47.4	47.5	44.1	35.8	29.8	42.2	61.5	51.9
346	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
347	**Reserves & Losses**	-1931	-1912	-1814	-1853	-2030	-2071	-1980	-1960	-1905	-1791	-1716	-1848	-2083	-1986
348	Operating Reserves	-675	-666	-610	-642	-747	-785	-741	-720	-683	-619	-581	-629	-740	-703
349	Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903

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2019 White Book Report Date: **3/4/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
350	Transmission Losses	-353	-342	-300	-308	-380	-383	-336	-336	-319	-269	-232	-316	-440	-380
351	**Total Net Resources**	**10009**	**9722**	**8546**	**8747**	**10828**	**10917**	**9556**	**9578**	**9085**	**7666**	**6587**	**8941**	**12480**	**10793**
352	**Total Surplus/Deficit**	**846**	**772**	**122**	**303**	**821**	**99**	**-1,085**	**-425**	**-205**	**-809**	**-1,563**	**807**	**3,471**	**1,387**

Loads and Resources - Federal System

Operating Year: 2029 Water Year: 1937

2019 White Book Report Date: **3/4/2020**

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
353	**Load Following**	4209	3902	3707	3726	4228	4859	4803	4548	4020	4054	3994	3765	4034	4393
354	Preference Customers	4489	4489	4120	4406	5106	5771	5726	5430	4902	4633	4633	4260	4346	4613
355	Federal Agencies	166	166	156	163	200	236	245	229	203	173	173	162	158	171
356	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
357	Federal Diversity	-1048	-1355	-1095	-1227	-1284	-1425	-1453	-1376	-1449	-1190	-1250	-1183	-1049	-1009
358	**Tier 1 Block**	382	382	654	549	887	916	959	883	828	442	442	156	20.4	359
359	Tier 1 Block	382	382	654	549	887	916	959	883	828	442	442	156	20.4	359
360	**Slice**	3274	3189	2907	3044	3779	4004	3680	3548	3290	2845	2596	2819	3595	3492
361	Slice Block	1301	1301	1247	1299	1508	1721	1712	1575	1457	1360	1360	1315	1288	1346
362	Slice Output from T1 System	1973	1888	1660	1745	2271	2283	1968	1972	1833	1486	1236	1503	2307	2146
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	1203	1288	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**	**9089**	**8782**	**8431**	**8482**	**10064**	**10948**	**10612**	**10149**	**9301**	**8504**	**8195**	**7903**	**8812**	**9429**
	Net Resources														
370	**Hydro**	10492	10188	8904	9140	11387	11516	10082	10085	9539	8024	6876	9359	13110	11266
371	Regulated Hydro - Net	9919	9625	8379	8664	10966	11201	9880	9855	9149	7406	6243	8540	12266	10658
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	0	0	1168
379	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
380	Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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**	285	283	278	280	293	293	285	285	282	274	268	274	294	290
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	237	237	237	237	237	237	237	237	237	237	237	237	237	237
389	Slice Transmission Loss Return	47.5	45.4	40.0	42.0	54.7	55.0	47.4	47.5	44.1	35.8	29.8	36.2	55.5	51.7
390	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391	**Reserves & Losses**	-1932	-1913	-1815	-1854	-2031	-2072	-1981	-1961	-1905	-1792	-1717	-1810	-2045	-1984
392	Operating Reserves	-676	-668	-611	-643	-748	-786	-742	-722	-683	-620	-582	-630	-741	-703
393	Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903

Loads and Resources - Federal System

Operating Year: 2030 Water Year: 1937

2019 White Book Report Date: **3/4/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
394	Transmission Losses	-353	-342	-300	-308	-380	-383	-336	-336	-319	-269	-232	-277	-401	-378
395	**Total Net Resources**	**10009**	**9722**	**8546**	**8747**	**10828**	**10917**	**9556**	**9578**	**9085**	**7666**	**6587**	**7823**	**11359**	**10740**
396	**Total Surplus/Deficit**	**920**	**939**	**115**	**265**	**765**	**-31**	**-1,056**	**-570**	**-216**	**-839**	**-1,608**	**-79**	**2,547**	**1,311**

Loads and Resources - Federal System

Operating Year: 2030 Water Year: 1937

2019 White Book Report Date: **3/4/2020**

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
397	**Load Following**	4218	3909	3753	3705	4235	4864	4823	4587	4090	4048	3956	3779	4096	4364
398	Preference Customers	4512	4512	4143	4432	5134	5801	5754	5459	4935	4657	4657	4281	4368	4635
399	Federal Agencies	166	166	156	164	200	236	246	229	203	173	173	162	159	172
400	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
401	Federal Diversity	-1063	-1372	-1072	-1274	-1305	-1449	-1460	-1367	-1414	-1220	-1312	-1190	-1009	-1061
402	**Tier 1 Block**	381	381	677	530	887	916	959	883	858	426	426	156	20.4	347
403	Tier 1 Block	381	381	677	530	887	916	959	883	858	426	426	156	20.4	347
404	**Slice**	3291	3206	2924	3021	3753	3974	3650	3520	3264	2821	2572	3046	3823	3481
405	Slice Block	1318	1318	1264	1276	1482	1690	1682	1547	1431	1335	1335	1292	1266	1322
406	Slice Output from T1 System	1973	1888	1660	1745	2271	2283	1968	1973	1833	1486	1236	1753	2557	2159
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	1203	1288	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**	**9114**	**8806**	**8517**	**8419**	**10045**	**10924**	**10603**	**10160**	**9374**	**8459**	**8117**	**8144**	**9102**	**9376**
	Net Resources														
414	**Hydro**	10493	10189	8905	9141	11388	11518	10083	10086	9540	8025	6877	9360	13111	11323
415	Regulated Hydro - Net	9920	9626	8380	8665	10967	11202	9881	9856	9150	7407	6244	8541	12267	10715
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	1151	1154	1168
423	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
424	Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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**	285	283	278	280	293	293	285	285	282	274	268	280	300	290
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	237	237	237	237	237	237	237	237	237	237	237	237	237	237
433	Slice Transmission Loss Return	47.5	45.4	40.0	42.0	54.7	55.0	47.4	47.5	44.1	35.8	29.8	42.2	61.6	52.0
434	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
435	**Reserves & Losses**	-1933	-1914	-1816	-1855	-2032	-2073	-1982	-1962	-1907	-1793	-1718	-1850	-2085	-1988
436	Operating Reserves	-677	-669	-612	-644	-749	-787	-743	-723	-685	-620	-583	-631	-742	-705
437	Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903

Loads and Resources - Federal System

Operating Year: 2030 Water Year: 1937

2019 White Book Report Date: **3/4/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
438	Transmission Losses	-353	-342	-300	-308	-380	-383	-336	-336	-319	-269	-232	-316	-440	-380
439	**Total Net Resources**	**10009**	**9722**	**8546**	**8747**	**10828**	**10917**	**9556**	**9578**	**9085**	**7666**	**6587**	**8941**	**12480**	**10793**
440	**Total Surplus/Deficit**	**894**	**916**	**29**	**328**	**784**	**-7**	**-1,047**	**-581**	**-290**	**-793**	**-1,530**	**797**	**3,378**	**1,417**

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Exhibit 17
Regional Report Surplus Deficit

Monthly 120-Hour Capacity
Operating Year 2021 to 2030
Using 1937-Water Conditions

Loads and Resources - Pacific Northwest Region

Operating Year: 2021 Water Year: 1937

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regional Loads														
1	**Retail Loads**	30078	29796	26848	27427	31330	33921	33742	32354	29568	28025	27870	26815	28189	30374
2	Federal Agency	157	157	148	162	193	228	239	223	198	177	177	170	166	179
3	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
4	Cooperative	3130	3130	2867	2907	3270	3697	3631	3480	3177	3096	3096	3037	3144	3311
5	Municipality	3230	3230	3030	3453	3941	4345	4348	4157	3821	3475	3475	3000	3060	3249
6	Public Utility District	5563	5563	5165	5692	6619	7314	7393	6954	6432	5956	5956	5405	5366	5668
7	Investor-Owned Utility	17865	17865	15759	15605	17876	19081	18808	18183	16522	15561	15561	15340	16468	17914
8	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
9	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
10	Federal Diversity	-883	-1165	-1061	-1190	-1191	-1434	-1375	-1323	-1362	-1093	-1247	-1078	-1008	-979
11	**Exports**	1758	1843	1696	1387	1379	1379	1402	1402	1402	1402	1410	1410	1719	1741
12	Canada	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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	51.5	51.5	51.5	51.5	51.5	51.5	0	0	0	0	0	0	0	0
15	Pacific Southwest	502	502	502	193	185	185	160	160	160	160	168	168	477	477
16	Other	0	0	0	0	0	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
17	**Total Regional Loads**	**31836**	**31639**	**28545**	**28815**	**32710**	**35300**	**35144**	**33756**	**30970**	**29427**	**29280**	**28225**	**29908**	**32114**
	Regional Resources														
18	**Hydro**	22017	21915	22360	20212	22226	22644	21596	21070	20735	18961	18155	20844	25302	23190
19	Regulated Hydro - Net	19989	19897	20462	18415	20546	21012	20198	19694	19042	16871	16040	18401	22780	20998
20	Independent Hydro - Net	1664	1656	1614	1595	1512	1472	1243	1207	1485	1765	1789	1997	2059	1749
21	Small Hydro - Net	365	363	284	201	168	161	156	169	207	324	325	446	463	443
22	**Hon-Hydro Renewable**	354	354	354	355	354	354	343	355	354	354	354	355	353	353
23	Wind - Net	137	137	137	137	137	137	137	137	137	137	137	137	137	137
24	Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
26	**Thermal**	15870	15870	15963	16106	16257	15673	15100	15047	14358	14604	12690	12257	12978	14633
27	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
28	Coal - Net	5561	5561	5560	5561	5561	4892	4322	4322	4321	4321	4321	3932	4265	4320
29	Natural Gas - Net	6463	6463	6523	6618	6749	6819	6825	6778	6730	6687	5252	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
32	Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2368	1888	2112	2618	2611
33	**Imports**	992	992	861	852	1102	1206	1180	1212	914	769	769	811	1064	1068
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	771	771	640	580	575	657	600	599	576	547	547	589	843	922
37	Pacific Southwest	75.0	75.0	75.0	125	425	425	425	425	125	75.0	75.0	75.0	75.0	0
38	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	**Reserves & Losses**	-3991	-3984	-3925	-3824	-4069	-4144	-4093	-4018	-3865	-3729	-3570	-3701	-4076	-4062
40	Operating Reserves	-1919	-1916	-1840	-1805	-1974	-2054	-1997	-1937	-1825	-1743	-1674	-1729	-1927	-1928
41	Balancing Reserves	-839	-839	-839	-840	-840	-840	-903	-903	-903	-903	-903	-903	-903	-903
42	Transmission Losses	-1233	-1230	-1246	-1179	-1255	-1250	-1194	-1178	-1137	-1083	-993	-1069	-1246	-1231
43	**Total Regional Resources**	**35243**	**35147**	**35614**	**33700**	**35871**	**35734**	**34125**	**33666**	**32496**	**30959**	**28397**	**30566**	**35621**	**35183**
44	**Total Surplus/Deficit**	**3407**	**3508**	**7069**	**4885**	**3162**	**433**	**-1019**	**-89.9**	**1526**	**1532**	**-883**	**2341**	**5713**	**3069**

Loads and Resources - Pacific Northwest Region
Operating Year: 2022 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
45 **Retail Loads**	30354	30078	27115	27743	31634	34275	34272	32884	30084	28520	28344	27272	28641	30882
46 Federal Agency	174	174	164	174	207	242	252	235	210	184	184	173	170	182
47 USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
48 Cooperative	3222	3222	2945	2986	3363	3777	3711	3563	3262	3197	3197	3125	3233	3418
49 Municipality	3233	3233	3032	3456	3945	4348	4353	4162	3825	3479	3479	3004	3064	3253
50 Public Utility District	5672	5672	5270	5803	6741	7444	7734	7286	6755	6248	6248	5689	5640	5947
51 Investor-Owned Utility	17951	17951	15843	15692	17966	19169	18905	18282	16617	15655	15655	15429	16560	18007
52 Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
53 Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
54 Federal Diversity	-914	-1189	-1080	-1166	-1208	-1398	-1383	-1325	-1364	-1095	-1272	-1089	-1018	-957
55 **Exports**	1724	1809	1663	1354	1346	1346	1143	1143	1143	1143	1151	1151	1460	1481
56 Canada	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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	420	420	420	111	103	103	0	0	0	0	8.04	8.04	317	317
60 Other	100.0	100.0	100.0	100.0	100.0	100.0	0	0	0	0	0	0	0	0
61 **Total Regional Loads**	**32077**	**31887**	**28778**	**29097**	**32980**	**35620**	**35414**	**34027**	**31227**	**29663**	**29494**	**28422**	**30101**	**32363**
Regional Resources														
62 **Hydro**	22016	21738	20176	20441	22313	23095	21752	21272	20931	19043	18256	21055	25223	23403
63 Regulated Hydro - Net	19988	19720	18287	18725	20713	21542	20354	19896	19239	16954	16142	18613	22702	21212
64 Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
65 Small Hydro - Net	365	363	284	201	168	161	156	169	207	324	325	446	463	443
66 **Hon-Hydro Renewable**	354	354	354	355	354	354	343	355	354	354	354	355	353	353
67 Wind - Net	137	137	137	137	137	137	137	137	137	137	137	137	137	137
68 Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
70 **Thermal**	14630	14630	14723	14866	15017	15103	14973	14920	14231	12550	11732	13672	14060	14506
71 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
72 Coal - Net	4321	4321	4320	4321	4321	4322	4195	4195	4194	3119	3119	4196	4193	4193
73 Natural Gas - Net	6463	6463	6523	6618	6749	6819	6825	6778	6730	6307	5252	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
76 Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	1896	2133	2112	2618	2611
77 **Imports**	925	925	790	731	980	1085	1059	1091	793	697	697	740	998	1078
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	779	779	644	584	578	661	604	603	580	550	550	593	852	932
81 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
82 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 **Reserves & Losses**	-3980	-3963	-3778	-3825	-4061	-4200	-4110	-4037	-3883	-3653	-3547	-3782	-4118	-4085
84 Operating Reserves	-1890	-1881	-1746	-1782	-1947	-2057	-2017	-1959	-1846	-1736	-1682	-1758	-1938	-1948
85 Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903
86 Transmission Losses	-1187	-1178	-1129	-1139	-1211	-1240	-1190	-1175	-1134	-1014	-962	-1121	-1277	-1233
87 **Total Regional Resources**	**33945**	**33685**	**32266**	**32568**	**34603**	**35437**	**34016**	**33601**	**32426**	**28991**	**27493**	**32039**	**36516**	**35256**
88 **Total Surplus/Deficit**	**1867**	**1798**	**3488**	**3472**	**1624**	**-183**	**-1398**	**-426**	**1199**	**-672**	**-2001**	**3617**	**6416**	**2893**

Loads and Resources - Pacific Northwest Region

Operating Year: 2023 Water Year: 1937

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regional Loads														
89	**Retail Loads**	30791	30466	27580	28234	32159	34819	34535	33118	30298	28751	28585	27434	28826	31050
90	Federal Agency	177	177	167	173	205	240	249	233	208	183	183	171	168	181
91	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
92	Cooperative	3317	3317	3043	3103	3469	3887	3835	3663	3366	3298	3298	3220	3340	3508
93	Municipality	3237	3237	3036	3460	3949	4353	4356	4165	3827	3480	3480	3005	3066	3255
94	Public Utility District	5954	5954	5543	6088	7066	7791	7772	7319	6782	6273	6273	5708	5633	5941
95	Investor-Owned Utility	18043	18043	15934	15786	18062	19265	19002	18382	16713	15749	15749	15519	16652	18100
96	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
97	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
98	Federal Diversity	-954	-1280	-1084	-1176	-1214	-1408	-1379	-1324	-1377	-1085	-1251	-1130	-1026	-968
99	**Exports**	1521	1606	1460	1151	1143	1143	1143	1143	1143	1143	1151	1151	1460	1481
100	Canada	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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	317	317	317	8.04	0	0	0	0	0	0	8.04	8.04	317	317
104	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	**Total Regional Loads**	**32312**	**32072**	**29039**	**29385**	**33301**	**35962**	**35677**	**34261**	**31441**	**29894**	**29735**	**28585**	**30285**	**32531**
	Regional Resources														
106	**Hydro**	22085	21708	20261	20509	22389	23112	21749	21168	21111	19121	18303	20781	24927	23260
107	Regulated Hydro - Net	20056	19690	18372	18793	20789	21560	20351	19792	19419	17031	16188	18339	22406	21068
108	Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
109	Small Hydro - Net	365	363	284	201	168	161	156	169	207	324	325	445	463	443
110	**Hon-Hydro Renewable**	354	354	354	355	354	354	343	355	354	354	354	355	353	353
111	Wind - Net	137	137	137	137	137	137	137	137	137	137	137	137	137	137
112	Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
114	**Thermal**	14503	14503	14566	14711	14861	14944	14941	14889	14200	13593	12577	12435	12821	14477
115	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
116	Coal - Net	4194	4194	4193	4194	4194	4195	4195	4195	4194	3341	3859	4140	4138	4193
117	Natural Gas - Net	6463	6463	6493	6590	6720	6787	6793	6747	6699	6656	5601	6114	5996	6436
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
120	Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2368	1888	2112	2618	2611
121	**Imports**	934	934	794	735	983	1089	1062	1094	796	701	701	744	1007	1088
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	788	788	648	588	581	665	607	606	583	554	554	597	861	942
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**	-3994	-3970	-3792	-3838	-4076	-4211	-4116	-4036	-3900	-3713	-3584	-3729	-4064	-4080
128	Operating Reserves	-1906	-1894	-1763	-1799	-1965	-2074	-2024	-1962	-1858	-1759	-1690	-1756	-1935	-1949
129	Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903
130	Transmission Losses	-1185	-1173	-1126	-1136	-1207	-1234	-1189	-1171	-1139	-1051	-992	-1070	-1226	-1228
131	**Total Regional Resources**	**33882**	**33529**	**32184**	**32472**	**34511**	**35288**	**33979**	**33470**	**32561**	**30056**	**28351**	**30585**	**35044**	**35099**
132	**Total Surplus/Deficit**	**1570**	**1457**	**3145**	**3087**	**1210**	**-674**	**-1699**	**-791**	**1120**	**162**	**-1385**	**2000**	**4759**	**2568**

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regional Loads														
133	**Retail Loads**	30942	30621	27747	28376	32307	35020	34671	32687	30502	28853	28748	27582	29019	31164
134	Federal Agency	176	176	166	173	205	240	250	230	208	183	183	172	168	181
135	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
136	Cooperative	3405	3405	3141	3188	3551	3982	3916	3728	3460	3378	3378	3297	3403	3572
137	Municipality	3239	3239	3038	3462	3951	4356	4358	4166	3829	3482	3482	3006	3068	3257
138	Public Utility District	5937	5937	5519	6064	7043	7769	7775	7317	6775	6264	6264	5699	5647	5957
139	Investor-Owned Utility	18136	18136	16025	15881	18159	19361	19096	17931	16805	15840	15840	15605	16741	18189
140	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
141	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
142	Federal Diversity	-968	-1289	-1081	-1191	-1223	-1379	-1424	-1366	-1355	-1147	-1252	-1138	-1000	-1025
143	**Exports**	1521	1606	1460	1151	1143	1143	1143	1143	1143	1143	1151	1151	1460	1481
144	Canada	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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	317	317	317	8.04	0	0	0	0	0	0	8.04	8.04	317	317
148	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	**Total Regional Loads**	**32463**	**32227**	**29207**	**29527**	**33450**	**36163**	**35814**	**33829**	**31644**	**29996**	**29898**	**28732**	**30478**	**32645**
	Regional Resources														
150	**Hydro**	22057	21707	20271	20159	22346	23084	21625	21110	20774	19057	18319	20906	25431	23227
151	Regulated Hydro - Net	20029	19688	18382	18443	20745	21532	20227	19734	19082	16968	16204	18463	22910	21035
152	Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
153	Small Hydro - Net	365	363	284	201	168	161	156	169	207	324	325	445	463	443
154	**Hon-Hydro Renewable**	354	354	354	355	354	354	343	355	354	354	354	355	353	353
155	Wind - Net	137	137	137	137	137	137	137	137	137	137	137	137	137	137
156	Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
158	**Thermal**	14474	14474	14566	14708	14858	14944	14941	14869	14180	14066	12532	13251	13975	14477
159	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
160	Coal - Net	4194	4194	4193	4194	4194	4195	4195	4195	4194	4194	4194	3805	4138	4193
161	Natural Gas - Net	6434	6434	6493	6588	6717	6787	6793	6727	6679	6276	5221	6114	5996	6436
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
164	Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2368	1888	2112	2618	2611
165	**Imports**	942	942	799	739	986	1093	1065	1098	800	705	705	748	1016	1097
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	796	796	653	592	584	669	610	610	587	558	558	601	870	951
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**	-3996	-3974	-3797	-3820	-4077	-4215	-4114	-4021	-3884	-3740	-3598	-3760	-4139	-4083
172	Operating Reserves	-1910	-1899	-1768	-1793	-1969	-2078	-2026	-1949	-1853	-1772	-1705	-1755	-1954	-1953
173	Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903
174	Transmission Losses	-1183	-1172	-1126	-1124	-1206	-1234	-1185	-1169	-1127	-1065	-990	-1102	-1282	-1227
175	**Total Regional Resources**	**33831**	**33503**	**32193**	**32141**	**34467**	**35261**	**33860**	**33411**	**32225**	**30443**	**28312**	**31500**	**36636**	**35071**
176	**Total Surplus/Deficit**	**1368**	**1276**	**2987**	**2614**	**1018**	**-902**	**-1954**	**-418**	**580**	**447**	**-1587**	**2767**	**6158**	**2426**

Loads and Resources - Pacific Northwest Region
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2019 White Book Report Date: **2/5/2020**
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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**	31069	30847	27931	28479	32463	35144	34828	33460	30611	28990	28891	27694	29148	31284
178	Federal Agency	176	176	166	174	207	242	252	235	210	184	184	173	169	182
179	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
180	Cooperative	3468	3468	3189	3241	3603	4021	3956	3791	3485	3402	3402	3319	3425	3595
181	Municipality	3241	3241	3040	3464	3953	4358	4361	4170	3831	3484	3484	3008	3069	3259
182	Public Utility District	5949	5949	5528	6076	7059	7788	7811	7348	6799	6293	6293	5726	5674	5985
183	Investor-Owned Utility	18226	18226	16113	15972	18253	19453	19185	18569	16892	15926	15926	15686	16826	18274
184	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
185	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
186	Federal Diversity	-1009	-1230	-1045	-1245	-1232	-1411	-1437	-1332	-1385	-1152	-1251	-1159	-1008	-1044
187	**Exports**	1521	1606	1460	1151	1143	1143	1143	1143	1143	1143	1151	1151	1460	1481
188	Canada	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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	317	317	317	8.04	0	0	0	0	0	0	8.04	8.04	317	317
192	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193	**Total Regional Loads**	**32589**	**32454**	**29390**	**29629**	**33605**	**36287**	**35970**	**34603**	**31754**	**30133**	**30042**	**28844**	**30607**	**32764**
	Regional Resources														
194	**Hydro**	22054	21680	20245	20140	22402	23116	21739	21140	20787	19056	18335	20702	25273	23157
195	Regulated Hydro - Net	20025	19661	18356	18423	20802	21563	20341	19764	19094	16967	16221	18259	22752	20966
196	Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
197	Small Hydro - Net	365	363	284	201	168	161	156	169	207	324	325	445	463	443
198	**Hon-Hydro Renewable**	354	354	354	355	354	354	343	355	354	354	354	355	353	353
199	Wind - Net	137	137	137	137	137	137	137	137	137	137	137	137	137	137
200	Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201	Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
202	**Thermal**	14474	14474	14566	14708	14858	14944	14941	14869	14180	12854	11792	12100	12821	14477
203	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
204	Coal - Net	4194	4194	4193	4194	4194	4195	4195	4195	4194	3454	3454	3805	4138	4193
205	Natural Gas - Net	6434	6434	6493	6588	6717	6787	6793	6727	6679	6276	5221	6114	5996	6436
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
208	Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	1896	1888	2112	2618	2611
209	**Imports**	950	950	803	742	990	1097	1068	1101	804	708	708	751	1025	1107
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	804	804	657	595	588	673	613	613	591	561	561	604	879	961
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**	-4001	-3978	-3800	-3824	-4086	-4221	-4110	-4029	-3873	-3674	-3563	-3697	-4080	-4069
216	Operating Reserves	-1914	-1903	-1771	-1797	-1975	-2084	-2019	-1956	-1842	-1746	-1694	-1737	-1939	-1941
217	Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903
218	Transmission Losses	-1183	-1171	-1125	-1124	-1208	-1235	-1189	-1170	-1128	-1025	-966	-1057	-1238	-1225
219	**Total Regional Resources**	**33830**	**33480**	**32169**	**32121**	**34519**	**35290**	**33980**	**33435**	**32251**	**29299**	**27626**	**30210**	**35393**	**35026**
220	**Total Surplus/Deficit**	**1241**	**1027**	**2779**	**2491**	**914**	**-997**	**-1990**	**-1167**	**498**	**-834**	**-2416**	**1366**	**4785**	**2261**

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regional Loads														
1	**Retail Loads**	31225	31009	28023	28624	32627	35241	34980	33633	30772	29125	29026	27859	29230	31405
2	Federal Agency	177	177	167	174	207	242	252	235	210	184	184	173	170	183
3	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
4	Cooperative	3491	3491	3211	3266	3628	4047	3983	3817	3510	3427	3427	3340	3446	3617
5	Municipality	3243	3243	3041	3465	3955	4361	4364	4172	3833	3485	3485	3009	3070	3261
6	Public Utility District	5978	5978	5554	6105	7090	7823	7855	7390	6844	6329	6329	5761	5709	6021
7	Investor-Owned Utility	18310	18310	16195	16058	18340	19540	19270	18656	16975	16008	16008	15764	16907	18355
8	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
9	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
10	Federal Diversity	-992	-1207	-1086	-1241	-1215	-1464	-1442	-1317	-1380	-1162	-1260	-1129	-1064	-1064
11	**Exports**	1521	1606	1460	1151	1143	1143	1143	1143	1143	1143	1151	1151	1460	1481
12	Canada	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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	0	0	0	0	0	0	0	0	0	0	0
15	Pacific Southwest	317	317	317	8.04	0	0	0	0	0	0	8.04	8.04	317	317
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Total Regional Loads**	**32746**	**32615**	**29482**	**29775**	**33770**	**36384**	**36122**	**34775**	**31915**	**30267**	**30177**	**29010**	**30690**	**32886**
	Regional Resources														
18	**Hydro**	22044	21719	20241	20141	22403	23097	21720	21121	20768	19038	18316	20693	25255	23158
19	Regulated Hydro - Net	20015	19701	18352	18425	20803	21544	20322	19745	19076	16949	16202	18250	22733	20966
20	Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
21	Small Hydro - Net	365	363	284	201	168	161	156	169	207	324	325	445	463	443
22	**Hon-Hydro Renewable**	354	354	354	355	354	354	343	355	354	354	354	355	353	353
23	Wind - Net	137	137	137	137	137	137	137	137	137	137	137	137	137	137
24	Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
26	**Thermal**	14474	14474	14566	14708	14858	14274	14138	14065	13376	12745	11728	12783	13171	13673
27	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
28	Coal - Net	4194	4194	4193	4194	4194	3525	3392	3392	3390	2872	3390	3337	3334	3389
29	Natural Gas - Net	6434	6434	6493	6588	6717	6787	6793	6727	6679	6276	5221	6114	5996	6436
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
32	Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2368	1888	2112	2618	2611
33	**Imports**	958	958	808	746	993	1100	1071	1104	808	712	712	755	1035	1117
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	812	812	662	599	591	676	616	616	595	565	565	608	889	971
37	Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
38	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	**Reserves & Losses**	-3990	-3970	-3789	-3813	-4075	-4168	-4060	-3979	-3824	-3661	-3538	-3707	-4069	-4021
40	Operating Reserves	-1903	-1894	-1760	-1786	-1964	-2052	-1996	-1933	-1819	-1737	-1671	-1724	-1916	-1918
41	Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903
42	Transmission Losses	-1184	-1173	-1126	-1124	-1208	-1212	-1162	-1143	-1101	-1021	-965	-1080	-1250	-1199
43	**Total Regional Resources**	**33839**	**33536**	**32181**	**32137**	**34534**	**34658**	**33211**	**32666**	**31483**	**29187**	**27573**	**30878**	**35745**	**34281**
44	**Total Surplus/Deficit**	**1094**	**920**	**2699**	**2362**	**764**	**-1726**	**-2911**	**-2109**	**-431**	**-1080**	**-2604**	**1868**	**5055**	**1395**

Loads and Resources - Pacific Northwest Region

Operating Year: 2027 Water Year: 1937

2019 White Book Report Date: **2/5/2020**

S184-WB-20191230-103442

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regional Loads														
45 **Retail Loads**	31370	31162	28144	28751	32743	35384	35151	33762	30872	29247	29140	27986	29358	31542
46 Federal Agency	177	177	167	175	208	243	253	236	211	185	185	173	170	183
47 USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
48 Cooperative	3512	3512	3231	3289	3653	4073	4008	3835	3534	3450	3450	3360	3466	3637
49 Municipality	3245	3245	3042	3467	3957	4363	4366	4174	3835	3486	3486	3010	3072	3262
50 Public Utility District	6013	6013	5587	6131	7121	7855	7881	7415	6868	6353	6353	5783	5731	6046
51 Investor-Owned Utility	18392	18392	16275	16140	18425	19624	19356	18744	17060	16091	16091	15843	16989	18438
52 Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
53 Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
54 Federal Diversity	-986	-1194	-1099	-1250	-1241	-1466	-1413	-1323	-1415	-1172	-1279	-1126	-1063	-1058
55 **Exports**	1521	1606	1460	1151	1143	1143	1143	1143	1143	1143	1151	1151	1460	1481
56 Canada	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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	317	317	317	8.04	0	0	0	0	0	0	8.04	8.04	317	317
60 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 **Total Regional Loads**	**32891**	**32768**	**29604**	**29901**	**33886**	**36526**	**36293**	**34904**	**32015**	**30389**	**30291**	**29136**	**30817**	**33023**
Regional Resources														
62 **Hydro**	22025	21701	20223	20122	22384	23098	21722	21122	20770	19039	18318	20694	25256	23140
63 Regulated Hydro - Net	19997	19682	18333	18406	20784	21546	20324	19746	19077	16950	16203	18252	22734	20948
64 Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
65 Small Hydro - Net	365	363	284	201	168	161	156	169	207	324	325	445	463	443
66 **Hon-Hydro Renewable**	354	354	354	355	354	354	343	355	354	354	354	355	353	353
67 Wind - Net	137	137	137	137	137	137	137	137	137	137	137	137	137	137
68 Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
70 **Thermal**	13670	13670	13763	13907	14057	14141	14138	14065	13376	13263	11728	11632	12017	13673
71 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
72 Coal - Net	3391	3391	3390	3390	3390	3391	3392	3392	3390	3390	3390	3337	3334	3389
73 Natural Gas - Net	6434	6434	6493	6590	6720	6787	6793	6727	6679	6276	5221	6114	5996	6436
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
76 Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2368	1888	2112	2618	2611
77 **Imports**	967	967	812	750	996	1104	1075	1107	811	716	716	759	1044	1127
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	821	821	666	603	594	680	620	619	598	569	569	612	898	981
81 Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
82 Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 **Reserves & Losses**	-3941	-3920	-3739	-3763	-4025	-4160	-4065	-3983	-3828	-3683	-3542	-3672	-4034	-4024
84 Operating Reserves	-1881	-1871	-1737	-1763	-1940	-2049	-2000	-1937	-1823	-1741	-1675	-1728	-1920	-1922
85 Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903
86 Transmission Losses	-1157	-1146	-1099	-1097	-1181	-1208	-1162	-1143	-1101	-1039	-965	-1041	-1212	-1199
87 **Total Regional Resources**	**33076**	**32772**	**31413**	**31371**	**33768**	**34537**	**33212**	**32666**	**31483**	**29689**	**27574**	**29767**	**34636**	**34270**
88 **Total Surplus/Deficit**	**184**	**3.99**	**1809**	**1470**	**-118**	**-1989**	**-3081**	**-2238**	**-531**	**-700**	**-2717**	**631**	**3819**	**1247**

Loads and Resources - Pacific Northwest Region
Operating Year: 2028 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regional Loads														
89	**Retail Loads**	31497	31284	28263	28909	32825	35516	35299	33295	31002	29378	29302	28077	29488	31727
90	Federal Agency	178	178	167	175	208	244	253	233	211	185	185	174	170	183
91	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
92	Cooperative	3533	3533	3251	3312	3676	4097	4033	3842	3557	3473	3473	3380	3486	3658
93	Municipality	3247	3247	3044	3468	3959	4366	4369	4175	3837	3488	3488	3011	3074	3264
94	Public Utility District	6038	6038	5609	6155	7146	7883	7908	7442	6893	6376	6376	5805	5754	6068
95	Investor-Owned Utility	18474	18474	16356	16223	18511	19709	19447	18278	17149	16179	16179	15926	17075	18524
96	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
97	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
98	Federal Diversity	-990	-1203	-1105	-1224	-1296	-1474	-1411	-1356	-1425	-1176	-1251	-1162	-1063	-1003
99	**Exports**	1521	1606	1460	1151	1143	1143	1143	1143	1143	1143	1151	1151	1460	1481
100	Canada	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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	317	317	317	8.04	0	0	0	0	0	0	8.04	8.04	317	317
104	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	**Total Regional Loads**	**33017**	**32890**	**29723**	**30059**	**33967**	**36659**	**36441**	**34437**	**32144**	**30520**	**30453**	**29227**	**30947**	**33208**
	Regional Resources														
106	**Hydro**	22026	21702	20224	20123	22385	23100	21723	21123	20771	19040	18319	20695	25257	23160
107	Regulated Hydro - Net	19998	19683	18335	18407	20785	21547	20325	19747	19078	16951	16204	18253	22735	20968
108	Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
109	Small Hydro - Net	365	363	284	201	168	161	156	169	207	324	325	445	463	443
110	**Hon-Hydro Renewable**	354	354	354	355	354	354	343	355	354	354	354	355	353	353
111	Wind - Net	137	137	137	137	137	137	137	137	137	137	137	137	137	137
112	Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
114	**Thermal**	13670	13670	13763	13905	14055	14141	14138	14065	13376	12051	10988	12783	13171	13673
115	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
116	Coal - Net	3391	3391	3390	3390	3390	3391	3392	3392	3390	2650	2650	3337	3334	3389
117	Natural Gas - Net	6434	6434	6493	6588	6717	6787	6793	6727	6679	6276	5221	6114	5996	6436
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
120	Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	1896	1888	2112	2618	2611
121	**Imports**	975	975	816	754	999	1108	1078	1111	815	719	719	764	1053	1138
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	829	829	670	607	597	684	623	623	602	572	572	617	907	992
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**	-3945	-3924	-3743	-3767	-4029	-4164	-4069	-3970	-3832	-3632	-3521	-3715	-4077	-4029
128	Operating Reserves	-1885	-1875	-1741	-1766	-1945	-2053	-2004	-1924	-1827	-1731	-1679	-1732	-1924	-1926
129	Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903
130	Transmission Losses	-1157	-1147	-1099	-1097	-1181	-1208	-1162	-1143	-1101	-998	-940	-1080	-1251	-1200
131	**Total Regional Resources**	**33081**	**32777**	**31414**	**31370**	**33765**	**34538**	**33212**	**32684**	**31484**	**28532**	**26859**	**30881**	**35757**	**34296**
132	**Total Surplus/Deficit**	**63.3**	**-113**	**1691**	**1310**	**-202**	**-2120**	**-3229**	**-1754**	**-660**	**-1988**	**-3594**	**1654**	**4810**	**1088**

Loads and Resources - Pacific Northwest Region
Operating Year: 2029 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regional Loads														
133	**Retail Loads**	31569	31262	28399	29036	32973	35703	35395	33999	31101	29491	29431	28175	29626	31848
134	Federal Agency	178	178	167	175	208	244	253	237	211	185	185	174	171	184
135	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
136	Cooperative	3553	3553	3270	3334	3699	4121	4057	3890	3580	3495	3495	3400	3505	3678
137	Municipality	3249	3249	3045	3470	3961	4368	4371	4179	3838	3489	3489	3013	3075	3266
138	Public Utility District	6060	6060	5630	6175	7166	7904	7929	7459	6903	6392	6392	5821	5771	6086
139	Investor-Owned Utility	18561	18561	16441	16311	18601	19798	19538	18929	17238	16267	16267	16010	17161	18611
140	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
141	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
142	Federal Diversity	-1048	-1355	-1095	-1227	-1284	-1425	-1453	-1376	-1449	-1190	-1250	-1183	-1049	-1009
143	**Exports**	1521	1606	1460	1151	1143	1143	1143	1143	1143	1143	1143	1143	1452	1473
144	Canada	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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	317	317	317	8.04	0	0	0	0	0	0	0	0	309	309
148	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	**Total Regional Loads**	**33090**	**32868**	**29859**	**30187**	**34115**	**36846**	**36537**	**35141**	**32243**	**30634**	**30574**	**29318**	**31077**	**33321**
	Regional Resources														
150	**Hydro**	22027	21703	20225	20124	22387	23101	21724	21125	20772	19041	18320	20696	25258	23142
151	Regulated Hydro - Net	19999	19684	18336	18408	20786	21548	20326	19749	19079	16952	16205	18254	22736	20950
152	Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
153	Small Hydro - Net	365	363	284	201	168	161	156	169	207	324	325	445	463	443
154	**Hon-Hydro Renewable**	354	354	354	355	354	354	343	355	354	354	354	355	353	353
155	Wind - Net	137	137	137	137	137	137	137	137	137	137	137	137	137	137
156	Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
158	**Thermal**	13670	13670	13763	13905	14055	14141	14138	14065	13376	12745	11728	11632	12017	13673
159	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
160	Coal - Net	3391	3391	3390	3390	3390	3391	3392	3392	3390	2872	3390	3337	3334	3389
161	Natural Gas - Net	6434	6434	6493	6588	6717	6787	6793	6727	6679	6276	5221	6114	5996	6436
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
164	Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2368	1888	2112	2618	2611
165	**Imports**	984	984	820	758	1003	1111	1081	1114	819	723	723	768	1063	1148
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	838	838	674	611	601	687	626	626	606	576	576	621	917	1002
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**	-3949	-3929	-3746	-3771	-4033	-4168	-4073	-3991	-3836	-3673	-3550	-3680	-4042	-4032
172	Operating Reserves	-1888	-1879	-1744	-1770	-1949	-2057	-2008	-1946	-1831	-1749	-1683	-1735	-1927	-1929
173	Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903
174	Transmission Losses	-1157	-1147	-1099	-1097	-1181	-1208	-1162	-1143	-1101	-1021	-965	-1041	-1212	-1199
175	**Total Regional Resources**	**33087**	**32783**	**31415**	**31371**	**33766**	**34538**	**33212**	**32667**	**31485**	**29190**	**27575**	**29770**	**34649**	**34285**
176	**Total Surplus/Deficit**	**-3.42**	**-85.5**	**1557**	**1184**	**-349**	**-2308**	**-3325**	**-2474**	**-758**	**-1444**	**-2999**	**452**	**3572**	**964**

Loads and Resources - Pacific Northwest Region
Operating Year: 2030 Water Year: 1937
2019 White Book Report Date: **2/5/2020**
S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regional Loads														
177	**Retail Loads**	31680	31371	28543	29118	33088	35818	35531	34155	31281	29596	29503	28295	29794	31927
178	Federal Agency	178	178	168	176	209	244	254	237	211	185	185	174	171	184
179	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
180	Cooperative	3573	3573	3289	3357	3723	4146	4081	3915	3604	3518	3518	3419	3525	3698
181	Municipality	3251	3251	3047	3471	3963	4371	4374	4182	3840	3491	3491	3014	3076	3268
182	Public Utility District	6077	6077	5646	6192	7186	7927	7947	7478	6927	6407	6407	5838	5785	6101
183	Investor-Owned Utility	18648	18648	16525	16399	18691	19888	19636	19030	17334	16361	16361	16099	17254	18705
184	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
185	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
186	Federal Diversity	-1063	-1372	-1072	-1274	-1305	-1449	-1460	-1367	-1414	-1220	-1312	-1190	-1009	-1061
187	**Exports**	1513	1598	1452	1143	1143	1143	1143	1143	1143	1143	1143	1143	1452	1473
188	Canada	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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	309	309	309	0	0	0	0	0	0	0	0	0	309	309
192	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193	**Total Regional Loads**	**33193**	**32969**	**29994**	**30261**	**34230**	**36960**	**36673**	**35297**	**32424**	**30738**	**30646**	**29438**	**31245**	**33400**
	Regional Resources														
194	**Hydro**	22028	21704	20226	20125	22388	23102	21725	21126	20773	19042	18321	20697	25259	23199
195	Regulated Hydro - Net	20000	19685	18336	18409	20788	21550	20327	19750	19080	16953	16206	18254	22737	21007
196	Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
197	Small Hydro - Net	365	363	284	201	168	161	156	169	207	324	325	445	463	443
198	**Hon-Hydro Renewable**	354	354	354	355	354	354	343	355	354	354	354	355	353	353
199	Wind - Net	137	137	137	137	137	137	137	137	137	137	137	137	137	137
200	Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201	Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
202	**Thermal**	13670	13670	13763	13905	14055	14141	14138	14065	13376	13263	11728	12783	13171	13673
203	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
204	Coal - Net	3391	3391	3390	3390	3390	3391	3392	3392	3390	3390	3390	3337	3334	3389
205	Natural Gas - Net	6434	6434	6493	6588	6717	6787	6793	6727	6679	6276	5221	6114	5996	6436
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
208	Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2368	1888	2112	2618	2611
209	**Imports**	993	993	825	762	1006	1115	1085	1118	823	727	727	771	1072	1158
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	847	847	679	615	604	691	630	630	610	580	580	624	926	1012
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**	-3953	-3933	-3750	-3775	-4037	-4173	-4077	-3996	-3840	-3695	-3554	-3722	-4085	-4039
216	Operating Reserves	-1892	-1883	-1748	-1774	-1953	-2061	-2013	-1950	-1835	-1753	-1687	-1739	-1931	-1935
217	Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903
218	Transmission Losses	-1158	-1147	-1099	-1097	-1181	-1208	-1162	-1143	-1101	-1039	-965	-1080	-1251	-1201
219	**Total Regional Resources**	**33093**	**32789**	**31418**	**31372**	**33766**	**34539**	**33213**	**32668**	**31486**	**29691**	**27576**	**30883**	**35770**	**34345**
220	**Total Surplus/Deficit**	**-100**	**-181**	**1423**	**1111**	**-464**	**-2421**	**-3460**	**-2629**	**-938**	**-1047**	**-3070**	**1445**	**4525**	**945**

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Exhibit 18
BPA Sales to Preference and Legacy Customers

Monthly 120-Hour Capacity
Operating Year 2021 to 2030
Using 1937-Water Conditions

BPA Sales to Preference and Legacy Customers

Operating Year 2021 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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**	**4449**	**4449**	**4085**	**4347**	**5077**	**5760**	**5731**	**5424**	**4884**	**4596**	**4596**	**4242**	**4327**	**4597**
4	Cooperative	2643	2643	2374	2408	2771	3183	3122	2959	2655	2568	2568	2496	2603	2770
5	Municipality	775	775	708	726	854	957	970	919	815	739	739	666	714	773
6	Public Utility District	886	886	867	1064	1266	1401	1409	1331	1223	1124	1124	922	855	887
7	Federal Entities	145	145	136	150	185	220	231	215	190	165	165	157	154	167
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	1073	1211	1207	1092	990	935	935	944	929	960
11	**Slice Output from T1 System**	**2081**	**1994**	**2141**	**1745**	**2273**	**2233**	**1974**	**1967**	**1832**	**1475**	**1235**	**1535**	**2316**	**2163**
12	Municipality	494	473	508	414	539	530	468	467	434	350	293	364	549	513
13	Public Utility District	1588	1521	1633	1331	1734	1704	1506	1501	1397	1125	942	1171	1767	1650
14	**Tier 1 Block**	**409**	**409**	**679**	**541**	**964**	**921**	**1047**	**933**	**872**	**431**	**431**	**162**	**21.1**	**359**
15	Municipality	366	366	620	492	878	823	929	823	774	389	389	133	0	306
16	Public Utility District	43.1	43.1	58.4	49.9	86.1	97.7	118	111	97.3	42.0	42.0	29.6	21.1	52.5
17	**USBR Obligation**	**602**	**602**	**527**	**383**	**206**	**277**	**284**	**266**	**365**	**438**	**438**	**527**	**578**	**618**
18	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
	Total Power Sales Contracts														
19	Cooperative	2643	2643	2374	2408	2771	3183	3122	2959	2655	2568	2568	2496	2603	2770
20	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
21	Federal Entities	145	145	136	150	185	220	231	215	190	165	165	157	154	167
22	Municipality	1908	1888	2113	1901	2589	2696	2751	2574	2379	1793	1736	1431	1522	1875
23	Public Utility District	3423	3357	3408	3367	4160	4413	4240	4035	3708	3226	3043	3067	3572	3550
24	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
25	**Total Power Sales Contracts**	**8734**	**8647**	**8570**	**8220**	**9923**	**10801**	**10639**	**10061**	**9309**	**8202**	**7962**	**7690**	**8441**	**8991**

BPA Sales to Preference and Legacy Customers

Operating Year 2022 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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**	**4493**	**4493**	**4126**	**4371**	**5101**	**5787**	**5758**	**5452**	**4915**	**4615**	**4615**	**4255**	**4339**	**4610**
4	Cooperative	2666	2666	2396	2389	2752	3165	3103	2941	2636	2550	2550	2475	2581	2748
5	Municipality	775	775	708	725	853	956	971	920	815	740	740	667	715	774
6	Public Utility District	891	891	871	1095	1297	1432	1440	1364	1261	1154	1154	953	886	918
7	Federal Entities	162	162	152	162	198	234	244	227	202	172	172	161	157	170
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**	**1976**	**1910**	**1664**	**1756**	**2269**	**2296**	**1974**	**1976**	**1868**	**1486**	**1222**	**1831**	**2550**	**2175**
12	Municipality	469	453	395	417	538	545	468	469	443	352	290	434	605	516
13	Public Utility District	1508	1457	1269	1340	1731	1752	1506	1508	1425	1134	933	1397	1945	1659
14	**Tier 1 Block**	**406**	**406**	**674**	**559**	**928**	**919**	**1045**	**932**	**870**	**430**	**430**	**162**	**20.6**	**370**
15	Municipality	364	364	617	511	843	823	929	823	775	389	389	133	0	319
16	Public Utility District	42.5	42.5	57.3	48.7	84.5	95.7	116	109	95.5	41.0	41.0	28.8	20.6	51.3
17	**USBR Obligation**	**602**	**602**	**527**	**383**	**206**	**277**	**284**	**266**	**365**	**438**	**438**	**527**	**578**	**618**
18	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
	Total Power Sales Contracts														
19	Cooperative	2666	2666	2396	2389	2752	3165	3103	2941	2636	2550	2550	2475	2581	2748
20	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
21	Federal Entities	162	162	152	162	198	234	244	227	202	172	172	161	157	170
22	Municipality	1883	1868	1997	1926	2557	2716	2757	2583	2393	1800	1737	1505	1581	1895
23	Public Utility District	3378	3328	3078	3500	4289	4597	4373	4173	3869	3360	3159	3414	3869	3677
24	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
25	**Total Power Sales Contracts**	**8704**	**8637**	**8161**	**8371**	**10014**	**11000**	**10774**	**10201**	**9476**	**8332**	**8068**	**8093**	**8779**	**9120**

BPA Sales to Preference and Legacy Customers

Operating Year 2023 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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**	**4507**	**4507**	**4138**	**4405**	**5135**	**5823**	**5788**	**5475**	**4944**	**4644**	**4644**	**4280**	**4364**	**4637**
4	Cooperative	2645	2645	2374	2410	2773	3188	3123	2953	2655	2568	2568	2489	2595	2763
5	Municipality	776	776	708	729	858	961	973	922	817	741	741	668	717	776
6	Public Utility District	921	921	901	1105	1307	1443	1451	1374	1272	1165	1165	963	896	928
7	Federal Entities	165	165	155	161	197	232	241	225	200	170	170	159	156	169
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**	**1977**	**1889**	**1668**	**1757**	**2271**	**2286**	**1973**	**1982**	**1879**	**1503**	**1233**	**1522**	**2235**	**2172**
12	Municipality	469	448	396	417	539	542	468	470	446	356	292	361	530	515
13	Public Utility District	1508	1441	1272	1340	1733	1744	1505	1512	1433	1146	940	1161	1705	1657
14	**Tier 1 Block**	**392**	**392**	**674**	**557**	**915**	**908**	**1029**	**915**	**856**	**446**	**446**	**157**	**20.6**	**367**
15	Municipality	350	350	617	512	845	825	932	825	776	406	406	128	0	319
16	Public Utility District	41.6	41.6	56.2	45.4	69.6	82.6	97.2	90.6	80.1	40.0	40.0	28.8	20.6	47.6
17	**USBR Obligation**	**602**	**602**	**527**	**383**	**206**	**277**	**284**	**266**	**365**	**438**	**438**	**527**	**578**	**618**
18	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
	Total Power Sales Contracts														
19	Cooperative	2645	2645	2374	2410	2773	3188	3123	2953	2655	2568	2568	2489	2595	2763
20	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
21	Federal Entities	165	165	155	161	197	232	241	225	200	170	170	159	156	169
22	Municipality	1875	1854	2003	1936	2570	2728	2769	2595	2406	1828	1764	1433	1513	1902
23	Public Utility District	3499	3432	3203	3524	4306	4610	4388	4191	3891	3401	3195	3207	3657	3700
24	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
25	**Total Power Sales Contracts**	**8798**	**8710**	**8273**	**8427**	**10064**	**11046**	**10817**	**10242**	**9528**	**8417**	**8147**	**7828**	**8512**	**9165**

BPA Sales to Preference and Legacy Customers

Operating Year 2024 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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**	**4534**	**4534**	**4163**	**4432**	**5162**	**5853**	**5816**	**5480**	**4971**	**4670**	**4670**	**4303**	**4387**	**4661**
4	Cooperative	2660	2660	2388	2423	2786	3202	3136	2951	2668	2580	2580	2498	2605	2774
5	Municipality	778	778	710	731	859	963	975	922	818	742	742	670	718	778
6	Public Utility District	932	932	912	1117	1320	1456	1464	1386	1284	1177	1177	976	908	941
7	Federal Entities	164	164	154	161	197	232	241	222	200	171	171	159	156	169
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**	**1979**	**1889**	**1670**	**1752**	**2262**	**2280**	**1946**	**1969**	**1834**	**1489**	**1236**	**1799**	**2595**	**2165**
12	Municipality	469	448	396	416	536	541	462	467	435	353	293	427	615	513
13	Public Utility District	1510	1441	1274	1337	1726	1739	1485	1502	1399	1136	943	1372	1980	1651
14	**Tier 1 Block**	**389**	**389**	**667**	**553**	**894**	**923**	**968**	**855**	**865**	**429**	**429**	**157**	**20.5**	**350**
15	Municipality	351	351	619	513	846	860	897	793	807	391	391	128	0	308
16	Public Utility District	37.8	37.8	48.4	40.7	48.2	63.8	70.7	62.4	57.9	38.5	38.5	28.8	20.5	42.3
17	**USBR Obligation**	**602**	**602**	**527**	**383**	**206**	**277**	**284**	**266**	**365**	**438**	**438**	**527**	**578**	**618**
18	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
	Total Power Sales Contracts														
19	Cooperative	2660	2660	2388	2423	2786	3202	3136	2951	2668	2580	2580	2498	2605	2774
20	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
21	Federal Entities	164	164	154	161	197	232	241	222	200	171	171	159	156	169
22	Municipality	1884	1862	2012	1933	2565	2755	2723	2541	2421	1805	1745	1495	1595	1885
23	Public Utility District	3526	3457	3224	3506	4265	4571	4326	4098	3824	3379	3186	3409	3922	3680
24	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
25	**Total Power Sales Contracts**	**8847**	**8757**	**8316**	**8418**	**10030**	**11049**	**10723**	**10089**	**9489**	**8385**	**8132**	**8101**	**8869**	**9139**

BPA Sales to Preference and Legacy Customers

Operating Year 2025 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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**	**4558**	**4558**	**4185**	**4461**	**5192**	**5885**	**5848**	**5539**	**4993**	**4698**	**4698**	**4327**	**4412**	**4687**
4	Cooperative	2669	2669	2397	2438	2801	3219	3153	2990	2683	2595	2595	2510	2617	2787
5	Municipality	779	779	711	733	862	966	978	926	821	745	745	672	721	780
6	Public Utility District	945	945	923	1128	1331	1467	1474	1396	1287	1187	1187	985	917	950
7	Federal Entities	164	164	154	162	199	234	243	227	202	172	172	161	157	170
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	379	366	324	324	276	266	292
10	Public Utility District	1024	1024	969	1030	1191	1335	1330	1208	1101	1045	1045	1050	1032	1064
11	**Slice Output from T1 System**	**1978**	**1883**	**1664**	**1748**	**2274**	**2286**	**1971**	**1976**	**1836**	**1489**	**1240**	**1504**	**2310**	**2150**
12	Municipality	469	446	395	415	539	542	467	469	436	353	294	357	548	510
13	Public Utility District	1509	1436	1270	1334	1735	1744	1503	1507	1401	1136	946	1148	1762	1640
14	**Tier 1 Block**	**384**	**384**	**683**	**532**	**890**	**919**	**963**	**886**	**861**	**428**	**428**	**156**	**20.5**	**348**
15	Municipality	352	352	646	492	844	857	895	824	805	390	390	128	0	307
16	Public Utility District	32.4	32.4	37.1	40.2	46.3	62.1	68.4	62.4	55.9	38.3	38.3	28.7	20.5	41.7
17	**USBR Obligation**	**602**	**602**	**527**	**383**	**206**	**277**	**284**	**266**	**365**	**438**	**438**	**527**	**578**	**618**
18	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
	Total Power Sales Contracts														
19	Cooperative	2669	2669	2397	2438	2801	3219	3153	2990	2683	2595	2595	2510	2617	2787
20	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
21	Federal Entities	164	164	154	162	199	234	243	227	202	172	172	161	157	170
22	Municipality	1881	1858	2034	1918	2573	2764	2736	2597	2428	1812	1752	1432	1535	1889
23	Public Utility District	3510	3438	3199	3531	4304	4608	4376	4174	3845	3406	3216	3211	3731	3695
24	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
25	**Total Power Sales Contracts**	**8839**	**8743**	**8322**	**8445**	**10094**	**11114**	**10804**	**10265**	**9535**	**8435**	**8185**	**7853**	**8630**	**9171**

BPA Sales to Preference and Legacy Customers

Operating Year 2026 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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**	**4208**	**4487**	**5219**	**5914**	**5877**	**5568**	**5027**	**4723**	**4723**	**4349**	**4433**	**4710**
4	Cooperative	2682	2682	2408	2452	2816	3234	3169	3005	2698	2609	2609	2522	2628	2798
5	Municipality	782	782	713	733	862	966	979	927	821	744	744	671	720	780
6	Public Utility District	954	954	932	1139	1342	1479	1486	1409	1306	1198	1198	996	928	961
7	Federal Entities	165	165	155	163	199	234	244	227	202	172	172	161	158	170
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**	**1976**	**1891**	**1664**	**1748**	**2275**	**2282**	**1967**	**1972**	**1832**	**1485**	**1236**	**1753**	**2556**	**2158**
12	Municipality	469	449	395	415	539	541	466	468	435	352	293	416	606	512
13	Public Utility District	1507	1443	1269	1334	1735	1741	1500	1504	1398	1133	943	1337	1950	1646
14	**Tier 1 Block**	**396**	**396**	**654**	**531**	**924**	**885**	**961**	**884**	**859**	**427**	**427**	**161**	**20.4**	**348**
15	Municipality	364	364	618	491	877	823	893	822	803	389	389	133	0	306
16	Public Utility District	31.8	31.8	36.1	40.1	46.2	62.0	68.2	62.3	55.8	38.2	38.2	28.6	20.4	41.7
17	**USBR Obligation**	**602**	**602**	**527**	**383**	**206**	**277**	**284**	**266**	**365**	**438**	**438**	**527**	**578**	**618**
18	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
	Total Power Sales Contracts														
19	Cooperative	2682	2682	2408	2452	2816	3234	3169	3005	2698	2609	2609	2522	2628	2798
20	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
21	Federal Entities	165	165	155	163	199	234	244	227	202	172	172	161	158	170
22	Municipality	1900	1880	2013	1912	2600	2721	2726	2587	2417	1802	1743	1489	1587	1884
23	Public Utility District	3535	3470	3223	3520	4289	4588	4355	4157	3837	3392	3202	3389	3908	3689
24	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
25	**Total Power Sales Contracts**	**8897**	**8812**	**8338**	**8442**	**10122**	**11066**	**10790**	**10255**	**9531**	**8425**	**8176**	**8099**	**8870**	**9172**

BPA Sales to Preference and Legacy Customers

Operating Year 2027 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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**	**4606**	**4606**	**4229**	**4517**	**5251**	**5948**	**5911**	**5594**	**5058**	**4753**	**4753**	**4376**	**4460**	**4738**
4	Cooperative	2693	2693	2418	2471	2835	3254	3189	3018	2717	2627	2627	2537	2643	2814
5	Municipality	782	782	713	735	865	970	982	930	823	746	746	674	723	783
6	Public Utility District	965	965	942	1147	1351	1489	1495	1418	1315	1207	1207	1004	936	970
7	Federal Entities	165	165	155	163	200	235	245	228	203	172	172	161	158	171
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**	**1972**	**1887**	**1659**	**1744**	**2270**	**2283**	**1967**	**1972**	**1833**	**1485**	**1236**	**1503**	**2306**	**2146**
12	Municipality	468	448	394	414	538	541	466	468	435	352	293	356	547	509
13	Public Utility District	1504	1440	1266	1331	1732	1741	1501	1504	1398	1133	943	1146	1759	1637
14	**Tier 1 Block**	**395**	**395**	**653**	**531**	**924**	**885**	**997**	**885**	**830**	**427**	**427**	**161**	**20.4**	**348**
15	Municipality	363	363	617	491	877	823	928	822	774	389	389	133	0	306
16	Public Utility District	31.8	31.8	36.1	40.2	46.5	62.2	68.6	62.6	56.1	38.2	38.2	28.6	20.4	41.7
17	**USBR Obligation**	**602**	**602**	**527**	**383**	**206**	**277**	**284**	**266**	**365**	**438**	**438**	**527**	**578**	**618**
18	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
	Total Power Sales Contracts														
19	Cooperative	2693	2693	2418	2471	2835	3254	3189	3018	2717	2627	2627	2537	2643	2814
20	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
21	Federal Entities	165	165	155	163	200	235	245	228	203	172	172	161	158	171
22	Municipality	1893	1873	2005	1919	2609	2732	2772	2598	2398	1811	1752	1438	1536	1889
23	Public Utility District	3520	3456	3209	3546	4319	4624	4391	4190	3868	3422	3231	3227	3745	3710
24	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
25	**Total Power Sales Contracts**	**8886**	**8801**	**8325**	**8494**	**10180**	**11135**	**10894**	**10312**	**9562**	**8483**	**8233**	**7902**	**8672**	**9214**

BPA Sales to Preference and Legacy Customers

Operating Year 2028 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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**	**4633**	**4633**	**4255**	**4543**	**5279**	**5977**	**5941**	**5600**	**5085**	**4780**	**4780**	**4398**	**4482**	**4760**
4	Cooperative	2709	2709	2433	2485	2849	3270	3205	3017	2731	2641	2641	2547	2653	2825
5	Municipality	785	785	716	737	867	972	985	931	826	749	749	676	725	786
6	Public Utility District	974	974	951	1158	1362	1499	1506	1427	1325	1217	1217	1014	945	978
7	Federal Entities	166	166	155	163	200	235	245	225	203	173	173	161	158	171
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	360	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**	**1972**	**1887**	**1660**	**1745**	**2271**	**2283**	**1967**	**1972**	**1833**	**1485**	**1236**	**1753**	**2557**	**2158**
12	Municipality	468	448	394	414	539	541	467	468	435	352	293	416	606	512
13	Public Utility District	1505	1440	1266	1331	1732	1742	1501	1504	1398	1133	943	1337	1951	1646
14	**Tier 1 Block**	**395**	**395**	**653**	**551**	**890**	**886**	**998**	**851**	**831**	**443**	**443**	**156**	**20.5**	**360**
15	Municipality	363	363	617	510	843	823	929	790	774	405	405	128	0	319
16	Public Utility District	31.8	31.8	36.2	40.3	47.1	62.7	69.3	61.1	56.7	38.3	38.3	28.7	20.5	41.9
17	**USBR Obligation**	**602**	**602**	**527**	**383**	**206**	**277**	**284**	**266**	**365**	**438**	**438**	**527**	**578**	**618**
18	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
	Total Power Sales Contracts														
19	Cooperative	2709	2709	2433	2485	2849	3270	3205	3017	2731	2641	2641	2547	2653	2825
20	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
21	Federal Entities	166	166	155	163	200	235	245	225	203	173	173	161	158	171
22	Municipality	1901	1881	2013	1935	2571	2729	2769	2547	2394	1824	1764	1490	1593	1902
23	Public Utility District	3550	3485	3237	3537	4308	4611	4378	4135	3858	3413	3222	3408	3926	3708
24	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
25	**Total Power Sales Contracts**	**8940**	**8855**	**8377**	**8516**	**10146**	**11134**	**10894**	**10202**	**9563**	**8500**	**8251**	**8145**	**8921**	**9237**

BPA Sales to Preference and Legacy Customers

Operating Year 2029 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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**	**4655**	**4655**	**4275**	**4570**	**5307**	**6007**	**5971**	**5659**	**5105**	**4806**	**4806**	**4422**	**4505**	**4784**
4	Cooperative	2720	2720	2443	2501	2867	3288	3225	3062	2750	2660	2660	2563	2669	2841
5	Municipality	787	787	718	740	870	976	988	936	828	751	751	678	728	788
6	Public Utility District	982	982	958	1165	1370	1507	1513	1433	1324	1223	1223	1019	949	983
7	Federal Entities	166	166	156	163	200	236	245	229	203	173	173	162	158	171
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**	**1973**	**1888**	**1660**	**1745**	**2271**	**2283**	**1968**	**1972**	**1833**	**1486**	**1236**	**1503**	**2307**	**2146**
12	Municipality	468	448	394	414	539	541	467	468	435	352	293	356	547	509
13	Public Utility District	1505	1440	1266	1331	1732	1742	1501	1505	1398	1133	943	1147	1760	1637
14	**Tier 1 Block**	**382**	**382**	**654**	**549**	**887**	**916**	**959**	**883**	**828**	**442**	**442**	**156**	**20.4**	**359**
15	Municipality	350	350	617	509	841	854	891	820	772	404	404	127	0	318
16	Public Utility District	32.0	32.0	36.5	40.0	46.1	61.8	68.1	62.1	55.7	38.1	38.1	28.6	20.4	41.6
17	**USBR Obligation**	**602**	**602**	**527**	**383**	**206**	**277**	**284**	**266**	**365**	**438**	**438**	**527**	**578**	**618**
18	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
	Total Power Sales Contracts														
19	Cooperative	2720	2720	2443	2501	2867	3288	3225	3062	2750	2660	2660	2563	2669	2841
20	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
21	Federal Entities	166	166	156	163	200	236	245	229	203	173	173	162	158	171
22	Municipality	1886	1866	2011	1940	2575	2767	2739	2600	2399	1829	1770	1436	1539	1905
23	Public Utility District	3539	3474	3227	3559	4330	4635	4401	4199	3870	3432	3242	3235	3753	3718
24	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
25	**Total Power Sales Contracts**	**8925**	**8840**	**8375**	**8558**	**10190**	**11215**	**10907**	**10367**	**9600**	**8544**	**8294**	**7935**	**8710**	**9265**

BPA Sales to Preference and Legacy Customers

Operating Year 2030 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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**	**4679**	**4679**	**4299**	**4596**	**5335**	**6037**	**5999**	**5688**	**5139**	**4830**	**4830**	**4443**	**4527**	**4807**
4	Cooperative	2736	2736	2459	2520	2887	3310	3244	3080	2768	2676	2676	2577	2683	2857
5	Municipality	790	790	721	742	873	979	991	939	831	753	753	681	731	791
6	Public Utility District	986	986	963	1170	1374	1512	1518	1440	1336	1227	1227	1023	954	987
7	Federal Entities	166	166	156	164	200	236	246	229	203	173	173	162	159	172
8	**Slice Block**	**1318**	**1318**	**1264**	**1276**	**1482**	**1690**	**1682**	**1547**	**1431**	**1335**	**1335**	**1292**	**1266**	**1322**
9	Municipality	284	284	285	272	320	389	386	369	357	316	316	268	259	284
10	Public Utility District	1034	1034	979	1004	1162	1302	1297	1179	1074	1020	1020	1024	1007	1038
11	**Slice Output from T1 System**	**1973**	**1888**	**1660**	**1745**	**2271**	**2283**	**1968**	**1973**	**1833**	**1486**	**1236**	**1753**	**2557**	**2159**
12	Municipality	468	448	394	414	539	542	467	468	435	352	293	416	606	512
13	Public Utility District	1505	1440	1266	1331	1733	1742	1501	1505	1399	1133	943	1338	1951	1647
14	**Tier 1 Block**	**381**	**381**	**677**	**530**	**887**	**916**	**959**	**883**	**858**	**426**	**426**	**156**	**20.4**	**347**
15	Municipality	349	349	641	490	841	854	891	821	802	388	388	127	0	306
16	Public Utility District	31.7	31.7	36.0	40.0	46.1	61.9	68.1	62.2	55.7	38.1	38.1	28.6	20.4	41.6
17	**USBR Obligation**	**602**	**602**	**527**	**383**	**206**	**277**	**284**	**266**	**365**	**438**	**438**	**527**	**578**	**618**
18	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
	Total Power Sales Contracts														
19	Cooperative	2736	2736	2459	2520	2887	3310	3244	3080	2768	2676	2676	2577	2683	2857
20	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
21	Federal Entities	166	166	156	164	200	236	246	229	203	173	173	162	159	172
22	Municipality	1892	1871	2041	1918	2572	2763	2735	2596	2425	1810	1750	1492	1597	1893
23	Public Utility District	3557	3492	3244	3545	4315	4618	4384	4186	3864	3419	3228	3413	3931	3713
24	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
25	**Total Power Sales Contracts**	**8965**	**8880**	**8439**	**8542**	**10192**	**11215**	**10905**	**10369**	**9637**	**8528**	**8279**	**8183**	**8960**	**9265**

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Exhibit 19
Regional Regulated Hydro

Monthly 120-Hour Capacity
Operating Year 2021 to 2030
Using 1937-Water Conditions

Regional: Regulated Hydro

Operating Year 2021 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Albeni Falls Hydroelectric	32.0	32.0	21.1	37.1	20.7	20.2	21.8	23.3	23.4	25.4	30.1	35.9	46.0	46.5
2	Alder Hydroelectric	51.6	51.6	51.2	31.5	0	0	39.1	4.28	37.0	36.3	39.4	40.2	47.1	48.7
3	Bonneville	991	991	1059	1047	1052	1033	1013	988	1035	934	934	929	937	992
4	Boundary	685	685	685	685	685	685	685	685	685	685	685	1005	1017	845
5	Box Canyon Dam	76.9	77.0	76.5	72.9	75.8	75.7	75.3	76.6	76.7	96.9	97.8	89.2	86.9	83.5
6	Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7	Cabinet Gorge	181	181	181	181	181	181	262	262	262	262	262	262	262	196
8	Chelan Lake	68.1	67.8	67.4	66.5	65.7	65.4	64.8	64.1	63.9	63.6	63.4	63.6	65.4	67.8
9	Chief Joseph	2451	2451	1990	2513	2481	2459	2428	2504	2323	2445	2445	2516	2465	2501
10	Cushman 1	46.9	45.8	45.8	16.7	8.38	17.2	17.2	15.8	18.4	22.5	22.8	20.0	21.9	21.2
11	Cushman 2	6.15	0	88.0	88.0	0	4.94	88.0	4.94	3.63	1.98	88.0	88.0	0.99	88.0
12	Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13	Dworshak	448	447	324	424	345	419	402	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	5199	5120	4714	3728	4003	4317	4508	4796	4722	4039	3930	3879	4829	5201
17	Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18	Hungry Horse	197	196	261	200	310	310	256	212	155	230	192	232	253	259
19	Ice Harbor	587	587	685	586	618	682	693	669	686	666	650	640	646	563
20	John Day	2331	2331	2154	2203	2411	2339	2417	2288	2366	2411	2412	2432	2448	2432
21	Kerr	179	179	179	178	177	175	171	166	165	165	165	172	178	180
22	La Grande	63.4	63.4	63.4	63.3	63.6	63.6	63.0	63.6	62.9	62.9	63.1	62.9	63.4	62.9
23	Libby	433	432	553	593	589	583	499	501	483	477	477	573	580	542
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	741	741	823	827	826	838	932	932	932	822	796	796	796	804
26	Long Lake	72.5	72.5	72.5	72.0	72.2	69.0	64.0	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27	Lower Baker	71.4	71.4	71.4	61.9	56.9	63.5	63.5	49.7	49.7	49.7	52.3	52.3	63.6	70.6
28	Lower Granite	599	687	768	830	829	840	843	907	919	820	799	917	799	822
29	Lower Monumental	710	769	763	776	780	819	928	928	911	848	837	834	836	700
30	Mayfield	125	125	125	125	125	125	163	125	125	125	172	83.6	125	125
31	McNary	1126	1126	1093	958	966	1046	1122	1126	1121	1112	1112	1126	1125	1126
32	Merwin	147	147	144	129	113	128	128	115	115	113	113	113	131	148
33	Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34	Mossyrock	378	378	378	365	327	317	254	159	177	212	214	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	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
37	Noxon Rapids	528	528	504	541	543	528	543	533	533	535	539	538	543	543
38	Oak Grove	22.0	22.0	22.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
39	Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40	Pelton	85.4	123	123	123	123	123	123	123	123	123	123	123	123	123
41	Pelton Rereg	10.5	10.1	-4.42	11.1	10.5	9.45	8.70	9.83	10.4	11.6	14.6	10.3	10.2	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	10.9	10.9	18.8	18.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	18.8
45	Rock Island	402	408	415	415	404	583	592	591	593	593	593	586	566	579
46	Rocky Reach	1176	1307	1304	1305	1307	1307	1305	1305	1304	1304	1304	1306	1311	1307
47	Ross	354	397	446	429	417	403	367	319	286	248	238	293	383	439
48	Round Butte	300	300	300	300	300	300	300	300	300	300	300	300	300	170
49	Swift 1	268	268	265	205	0.21	168	162	140	152	158	146	0.24	251	265
50	Swift 2	59.4	60.6	63.7	65.6	0.09	76.1	76.1	76.1	76.1	76.1	76.1	0.09	59.8	59.8
51	The Dalles	1908	1908	1874	1843	1911	2011	1979	1916	1957	1921	1921	1891	1847	1891
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	102	102	102	94.2	0	85.7	83.3	83.0	66.5	4.37	96.2	97.2	102	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	841	836	836	889	843	836	836	836	836	836	840	856	846
56	Wells	800	800	760	760	800	800	800	800	800	800	780	800	800	800
57	Yale	132	131	130	133	129	116	102	94.0	94.0	106	122	106	133	132

Regional: Regulated Hydro

Operating Year 2021 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
58	Federal Entities	17754	17819	17082	16565	17142	17718	18040	18225	18066	17191	16980	17248	18058	18328
59	Investor Owned Utilities	4185	4258	4244	4220	3923	4224	4343	4224	4296	4219	4339	4202	4432	4295
60	Marketer	966	1035	1036	1037	1036	1107	1109	1109	1099	1095	1109	1108	1102	1063
61	Municipality	2184	2219	2355	2276	2100	2112	2176	1877	1880	1866	1995	2093	2539	2509
62	Public Utility District	2301	2337	2301	2283	2278	2364	2359	2354	2325	2336	2360	2311	2397	2396
63	**Total Regulated Hydro**	**27390**	**27669**	**27018**	**26381**	**26479**	**27525**	**28026**	**27789**	**27666**	**26706**	**26782**	**26962**	**28528**	**28591**

Regional: Regulated Hydro

Operating Year 2022 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Albeni Falls Hydroelectric	32.0	32.0	21.1	37.1	20.7	20.2	21.8	23.3	23.4	25.4	30.1	35.9	46.0	46.5
2	Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	4.28	37.0	36.3	39.4	40.2	47.1	48.7
3	Bonneville	991	991	1059	1047	1052	1033	1013	988	1035	934	934	929	937	992
4	Boundary	611	611	685	685	611	845	845	845	845	845	845	1005	1017	845
5	Box Canyon Dam	76.8	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	97.8	89.2	86.9	83.5
6	Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7	Cabinet Gorge	196	196	196	196	196	196	262	262	262	262	262	262	262	262
8	Chelan Lake	67.4	67.3	67.3	66.5	65.7	65.4	64.8	64.1	63.9	63.6	63.4	63.6	65.4	67.8
9	Chief Joseph	2451	2451	1990	2513	2481	2459	2428	2504	2323	2445	2445	2516	2465	2501
10	Cushman 1	27.5	22.1	18.8	16.7	8.38	17.2	17.2	15.8	18.4	22.5	22.8	20.0	21.9	21.2
11	Cushman 2	88.0	88.0	0.33	88.0	0	4.94	88.0	4.94	3.63	1.98	88.0	88.0	0.99	88.0
12	Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13	Dworshak	448	447	324	424	345	419	402	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	5170	5109	4757	3728	4003	4317	4508	4796	4722	4039	3930	3879	4829	5201
17	Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18	Hungry Horse	156	156	209	200	310	310	256	212	155	230	192	232	253	259
19	Ice Harbor	587	587	685	586	618	682	693	669	686	666	650	640	646	563
20	John Day	2331	2331	2154	2203	2411	2339	2417	2288	2366	2411	2412	2432	2448	2432
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	63.6	62.9	62.9	63.1	62.9	63.4	62.9
23	Libby	433	433	555	593	589	583	499	501	483	477	477	573	580	542
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	741	741	818	827	826	838	932	932	932	822	796	796	796	804
26	Long Lake	72.0	72.0	72.0	72.0	72.2	69.0	64.0	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27	Lower Baker	59.2	57.3	59.0	61.9	56.9	63.5	63.5	49.7	49.7	49.7	52.3	52.3	63.6	70.6
28	Lower Granite	599	687	768	830	829	840	843	907	919	820	799	917	799	822
29	Lower Monumental	710	769	756	776	780	819	928	928	911	848	837	834	836	700
30	Mayfield	125	125	125	125	125	125	163	125	125	125	172	83.6	125	125
31	McNary	1126	1126	1093	958	966	1046	1122	1126	1121	1112	1112	1126	1125	1126
32	Merwin	147	146	146	129	113	128	128	115	115	113	113	113	131	148
33	Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34	Mossyrock	378	378	378	365	327	317	254	159	177	212	214	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	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
37	Noxon Rapids	533	533	456	541	543	528	543	533	533	535	539	538	543	543
38	Oak Grove	22.0	22.0	22.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
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	123	87.4
41	Pelton Rereg	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	14.6	10.3	10.2	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	10.9	10.9	18.8	18.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	18.8
45	Rock Island	582	586	593	592	581	583	592	591	593	593	593	586	566	579
46	Rocky Reach	1307	1306	1304	1305	1307	1307	1305	1305	1304	1304	1304	1306	1311	1307
47	Ross	448	395	441	429	417	403	367	319	286	248	238	293	383	439
48	Round Butte	300	300	300	300	300	300	300	300	170	170	300	300	300	300
49	Swift 1	263	263	260	205	0.21	168	162	140	152	158	146	0.24	251	265
50	Swift 2	62.1	62.1	64.3	65.6	0.09	76.1	76.1	76.1	76.1	76.1	76.1	0.09	59.8	59.8
51	The Dalles	1908	1908	1874	1843	1911	2011	1979	1916	1957	1921	1921	1891	1847	1891
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	94.2	0	85.7	83.3	83.0	66.5	4.37	96.2	97.2	102	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	844	840	836	836	889	843	836	836	836	836	836	840	856	846
56	Wells	800	800	760	760	800	800	800	800	800	800	780	800	800	800
57	Yale	130	131	129	133	129	116	102	94.0	94.0	106	122	106	133	132

Regional: Regulated Hydro

Operating Year 2022 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
58	Federal Entities	17684	17769	17063	16565	17142	17718	18040	18225	18066	17191	16980	17248	18058	18328
59	Investor Owned Utilities	4306	4313	4247	4288	3991	4239	4343	4224	4209	4132	4339	4202	4432	4424
60	Marketer	1106	1108	1109	1109	1109	1107	1014	1014	961	958	1014	1013	1008	999
61	Municipality	2251	2186	2184	2276	2026	2272	2336	2037	2040	2026	2155	2093	2539	2509
62	Public Utility District	2388	2387	2351	2334	2329	2364	2454	2448	2420	2430	2454	2406	2490	2490
63	**Total Regulated Hydro**	**27736**	**27763**	**26954**	**26573**	**26596**	**27700**	**28186**	**27949**	**27696**	**26736**	**26942**	**26962**	**28528**	**28751**

Regional: Regulated Hydro

Operating Year 2023 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Albeni Falls Hydroelectric	32.0	32.0	21.1	37.1	20.7	20.2	21.8	23.3	23.4	25.4	30.1	35.9	46.0	46.5
2	Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	4.28	37.0	36.3	39.4	40.2	47.1	48.7
3	Bonneville	991	991	1059	1047	1052	1033	1013	988	1035	934	934	929	937	992
4	Boundary	611	611	685	685	611	845	845	845	845	845	845	1005	1017	845
5	Box Canyon Dam	76.8	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	97.8	89.2	86.9	83.5
6	Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7	Cabinet Gorge	262	262	262	262	262	262	262	262	262	262	262	262	262	262
8	Chelan Lake	67.4	67.3	67.3	66.5	65.7	65.4	64.8	64.1	63.9	63.6	63.4	63.6	65.4	67.8
9	Chief Joseph	2451	2451	1990	2513	2481	2459	2428	2504	2323	2445	2445	2516	2465	2501
10	Cushman 1	27.5	22.1	18.8	16.7	8.38	17.2	17.2	15.8	18.4	22.5	22.8	20.0	21.9	21.2
11	Cushman 2	88.0	88.0	0.33	88.0	0	4.94	88.0	4.94	3.63	1.98	88.0	88.0	0.99	88.0
12	Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13	Dworshak	448	447	324	424	345	419	402	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	5170	5109	4757	3728	4003	4317	4508	4796	4722	4039	3930	3879	4829	5201
17	Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18	Hungry Horse	156	156	209	200	310	310	256	212	155	230	192	232	253	259
19	Ice Harbor	587	587	685	586	618	682	693	669	686	666	650	640	646	563
20	John Day	2331	2331	2154	2203	2411	2339	2417	2288	2366	2411	2412	2432	2448	2432
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	63.6	62.9	62.9	63.1	62.9	63.4	62.9
23	Libby	433	433	555	593	589	583	499	501	483	477	477	573	580	542
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	741	741	818	827	826	838	932	932	932	822	796	796	796	804
26	Long Lake	72.0	72.0	72.0	72.0	72.2	69.0	64.0	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27	Lower Baker	59.2	57.3	59.0	61.9	56.9	63.5	63.5	49.7	49.7	49.7	52.3	52.3	63.6	70.6
28	Lower Granite	599	687	768	830	829	840	843	907	919	820	799	917	799	822
29	Lower Monumental	710	769	756	776	780	819	928	928	911	848	837	834	836	700
30	Mayfield	125	125	125	125	125	125	163	125	125	125	172	83.6	125	125
31	McNary	1126	1126	1093	958	966	1046	1122	1126	1121	1112	1112	1126	1125	1126
32	Merwin	147	146	146	129	113	128	128	115	115	113	113	113	131	148
33	Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34	Mossyrock	378	378	378	365	327	317	254	159	177	212	214	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	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
37	Noxon Rapids	533	533	456	541	543	528	543	533	533	535	539	538	543	543
38	Oak Grove	22.0	22.0	22.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
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	123	87.4
41	Pelton Rereg	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	14.6	10.3	10.2	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	10.9	10.9	18.8	18.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	18.8
45	Rock Island	582	586	593	592	581	583	592	591	593	593	593	586	566	579
46	Rocky Reach	1307	1306	1304	1305	1307	1307	1305	1305	1304	1304	1304	1306	1311	1307
47	Ross	448	395	441	429	417	403	367	319	286	248	238	293	383	439
48	Round Butte	300	300	300	300	300	300	300	170	300	170	300	300	300	170
49	Swift 1	263	263	260	205	0.21	168	162	140	152	158	146	0.24	251	265
50	Swift 2	62.1	62.1	64.3	65.6	0.09	76.1	76.1	76.1	76.1	76.1	76.1	0.09	59.8	59.8
51	The Dalles	1908	1908	1874	1843	1911	2011	1979	1916	1957	1921	1921	1891	1847	1891
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	94.2	0	85.7	83.3	83.0	66.5	4.37	96.2	97.2	102	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	844	840	836	836	889	843	836	836	836	836	836	840	856	846
56	Wells	800	800	760	760	800	800	800	800	800	800	780	800	800	800
57	Yale	130	131	129	133	129	116	102	94.0	94.0	106	122	106	133	132

Regional: Regulated Hydro

Operating Year 2023 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
58	Federal Entities	17684	17769	17063	16565	17142	17718	18040	18225	18066	17191	16980	17248	18058	18328
59	Investor Owned Utilities	4372	4379	4313	4354	4057	4305	4343	4137	4296	4132	4339	4202	4432	4337
60	Marketer	1012	1013	1014	1014	1015	1012	825	782	814	768	825	824	821	768
61	Municipality	2251	2186	2184	2276	2026	2272	2336	2037	2040	2026	2155	2093	2539	2509
62	Public Utility District	2483	2482	2446	2429	2424	2458	2643	2638	2609	2620	2644	2595	2678	2679
63	**Total Regulated Hydro**	**27802**	**27829**	**27020**	**26639**	**26662**	**27766**	**28186**	**27819**	**27826**	**26736**	**26942**	**26962**	**28528**	**28621**

Regional: Regulated Hydro

Operating Year 2024 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Albeni Falls Hydroelectric	32.0	32.0	21.1	37.1	20.7	20.2	21.8	23.3	23.4	25.4	30.1	35.9	46.0	46.5
2	Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	4.28	37.0	36.3	39.4	40.2	47.1	48.7
3	Bonneville	991	991	1059	1047	1052	1033	1013	988	1035	934	934	929	937	992
4	Boundary	611	611	685	685	611	845	845	845	845	845	845	1005	1017	845
5	Box Canyon Dam	76.8	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	97.8	89.2	86.9	83.5
6	Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7	Cabinet Gorge	262	262	262	262	262	262	262	262	262	262	262	262	262	262
8	Chelan Lake	67.4	67.3	67.3	66.5	65.7	65.4	64.8	64.1	63.9	63.6	63.4	63.6	65.4	67.8
9	Chief Joseph	2451	2451	1990	2513	2481	2459	2428	2504	2323	2445	2445	2516	2465	2501
10	Cushman 1	27.5	22.1	18.8	16.7	8.38	17.2	17.2	15.8	18.4	22.5	22.8	20.0	21.9	21.2
11	Cushman 2	88.0	88.0	0.33	88.0	0	4.94	88.0	4.94	3.63	1.98	88.0	88.0	0.99	88.0
12	Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13	Dworshak	448	447	324	424	345	419	402	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	5170	5109	4757	3728	4003	4317	4508	4796	4722	4039	3930	3879	4829	5201
17	Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18	Hungry Horse	156	156	209	200	310	310	256	212	155	230	192	232	253	259
19	Ice Harbor	587	587	685	586	618	682	693	669	686	666	650	640	646	563
20	John Day	2331	2331	2154	2203	2411	2339	2417	2288	2366	2411	2412	2432	2448	2432
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	63.6	62.9	62.9	63.1	62.9	63.4	62.9
23	Libby	433	433	555	593	589	583	499	501	483	477	477	573	580	542
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	741	741	818	827	826	838	932	932	932	822	796	796	796	804
26	Long Lake	72.0	72.0	72.0	72.0	72.2	69.0	64.0	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27	Lower Baker	59.2	57.3	59.0	61.9	56.9	63.5	63.5	49.7	49.7	49.7	52.3	52.3	63.6	70.6
28	Lower Granite	599	687	768	830	829	840	843	907	919	820	799	917	799	822
29	Lower Monumental	710	769	756	776	780	819	928	928	911	848	837	834	836	700
30	Mayfield	125	125	125	125	125	125	163	125	125	125	172	83.6	125	125
31	McNary	1126	1126	1093	958	966	1046	1122	1126	1121	1112	1112	1126	1125	1126
32	Merwin	147	146	146	129	113	128	128	115	115	113	113	113	131	148
33	Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34	Mossyrock	378	378	378	365	327	317	254	159	177	212	214	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	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
37	Noxon Rapids	533	533	456	211	543	528	543	533	533	535	539	538	543	543
38	Oak Grove	22.0	22.0	22.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
39	Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40	Pelton	85.4	123	123	123	123	123	123	123	123	123	123	123	123	87.4
41	Pelton Rereg	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	14.6	10.3	10.2	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	10.9	10.9	18.8	18.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	18.8
45	Rock Island	582	586	593	592	581	583	592	591	593	593	593	586	566	579
46	Rocky Reach	1307	1306	1304	1305	1307	1307	1305	1305	1304	1304	1304	1306	1311	1307
47	Ross	448	395	441	429	417	403	367	319	286	248	238	293	383	439
48	Round Butte	300	300	300	300	300	300	300	170	170	170	300	300	300	170
49	Swift 1	263	263	260	205	0.21	168	162	140	152	158	146	0.24	251	265
50	Swift 2	62.1	62.1	64.3	65.6	0.09	76.1	76.1	76.1	76.1	76.1	76.1	0.09	59.8	59.8
51	The Dalles	1908	1908	1874	1843	1911	2011	1979	1916	1957	1921	1921	1891	1847	1891
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	94.2	0	85.7	83.3	83.0	66.5	4.37	96.2	97.2	102	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	844	840	836	836	889	843	836	836	836	836	836	840	856	846
56	Wells	800	800	760	760	800	800	800	800	800	800	780	800	800	800
57	Yale	130	131	129	133	129	116	102	94.0	94.0	106	122	106	133	132

Regional: Regulated Hydro

Operating Year 2024 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Regulated Hydro															
58	Federal Entities	17684	17769	17063	16565	17142	17718	18040	18225	18066	17191	16980	17248	18058	18328
59	Investor Owned Utilities	4346	4379	4313	4024	4057	4305	4343	4137	4209	4132	4339	4202	4432	4337
60	Marketer	810	824	824	825	826	823	825	782	772	768	825	824	821	768
61	Municipality	2251	2186	2184	2276	2026	2272	2336	2037	2040	2026	2155	2093	2539	2509
62	Public Utility District	2671	2671	2636	2619	2613	2647	2643	2638	2609	2620	2644	2595	2678	2679
63	**Total Regulated Hydro**	**27764**	**27829**	**27020**	**26309**	**26662**	**27766**	**28186**	**27819**	**27696**	**26736**	**26942**	**26962**	**28528**	**28621**

Regional: Regulated Hydro

Operating Year 2025 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Albeni Falls Hydroelectric	32.0	32.0	21.1	37.1	20.7	20.2	21.8	23.3	23.4	25.4	30.1	35.9	46.0	46.5
2	Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	4.28	37.0	36.3	39.4	40.2	47.1	48.7
3	Bonneville	991	991	1059	1047	1052	1033	1013	988	1035	934	934	929	937	992
4	Boundary	611	611	685	685	611	845	845	845	845	845	845	1005	1017	845
5	Box Canyon Dam	76.8	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	97.8	89.2	86.9	83.5
6	Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7	Cabinet Gorge	262	262	262	262	262	262	262	262	262	262	262	262	262	262
8	Chelan Lake	67.4	67.3	67.3	66.5	65.7	65.4	64.8	64.1	63.9	63.6	63.4	63.6	65.4	67.8
9	Chief Joseph	2451	2451	1990	2513	2481	2459	2428	2504	2323	2445	2445	2516	2465	2501
10	Cushman 1	27.5	22.1	18.8	16.7	8.38	17.2	17.2	15.8	18.4	22.5	22.8	20.0	21.9	21.2
11	Cushman 2	88.0	88.0	0.33	88.0	0	4.94	88.0	4.94	3.63	1.98	88.0	88.0	0.99	88.0
12	Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13	Dworshak	448	447	324	424	345	419	402	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	5170	5109	4757	3728	4003	4317	4508	4796	4722	4039	3930	3879	4829	5201
17	Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18	Hungry Horse	156	156	209	200	310	310	256	212	155	230	192	232	253	259
19	Ice Harbor	587	587	685	586	618	682	693	669	686	666	650	640	646	563
20	John Day	2331	2331	2154	2203	2411	2339	2417	2288	2366	2411	2412	2432	2448	2432
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	63.6	62.9	62.9	63.1	62.9	63.4	62.9
23	Libby	433	433	555	593	589	583	499	501	483	477	477	573	580	542
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	741	741	818	827	826	838	932	932	932	822	796	796	796	804
26	Long Lake	72.0	72.0	72.0	72.0	72.2	69.0	64.0	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27	Lower Baker	59.2	57.3	59.0	61.9	56.9	63.5	63.5	49.7	49.7	49.7	52.3	52.3	63.6	70.6
28	Lower Granite	599	687	768	830	829	840	843	907	919	820	799	917	799	822
29	Lower Monumental	710	769	756	776	780	819	928	928	911	848	837	834	836	700
30	Mayfield	125	125	125	125	125	125	163	125	125	125	172	83.6	125	125
31	McNary	1126	1126	1093	958	966	1046	1122	1126	1121	1112	1112	1126	1125	1126
32	Merwin	147	146	146	129	113	128	128	115	115	113	113	113	131	148
33	Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34	Mossyrock	378	378	378	365	327	317	254	159	177	212	214	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	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
37	Noxon Rapids	533	533	456	211	543	528	543	533	533	535	539	538	543	543
38	Oak Grove	22.0	22.0	22.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
39	Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40	Pelton	85.4	123	123	123	123	123	123	123	123	123	123	123	123	87.4
41	Pelton Rereg	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	14.6	10.3	10.2	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	10.9	10.9	18.8	18.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	18.8
45	Rock Island	582	586	593	592	581	583	592	591	593	593	593	586	566	579
46	Rocky Reach	1307	1306	1304	1305	1307	1307	1305	1305	1304	1304	1304	1306	1311	1307
47	Ross	448	395	441	429	417	403	367	319	286	248	238	293	383	439
48	Round Butte	300	300	300	300	300	300	300	170	170	170	300	300	300	170
49	Swift 1	263	263	260	205	0.21	168	162	140	152	158	146	0.24	251	265
50	Swift 2	62.1	62.1	64.3	65.6	0.09	76.1	76.1	76.1	76.1	76.1	76.1	0.09	59.8	59.8
51	The Dalles	1908	1908	1874	1843	1911	2011	1979	1916	1957	1921	1921	1891	1847	1891
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	94.2	0	85.7	83.3	83.0	66.5	4.37	96.2	97.2	102	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	844	840	836	836	889	843	836	836	836	836	836	840	856	846
56	Wells	800	800	760	760	800	800	800	800	800	800	780	800	800	800
57	Yale	130	131	129	133	129	116	102	94.0	94.0	106	122	106	133	132

Regional: Regulated Hydro

Operating Year 2025 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
58	Federal Entities	17684	17769	17063	16565	17142	17718	18040	18225	18066	17191	16980	17248	18058	18328
59	Investor Owned Utilities	4346	4379	4313	4024	4057	4305	4343	4137	4209	4132	4339	4202	4432	4337
60	Marketer	810	824	824	825	826	823	825	782	772	768	825	824	821	768
61	Municipality	2251	2186	2184	2276	2026	2272	2336	2037	2040	2026	2155	2093	2539	2509
62	Public Utility District	2671	2671	2636	2619	2613	2647	2643	2638	2609	2620	2644	2595	2678	2679
63	**Total Regulated Hydro**	**27764**	**27829**	**27020**	**26309**	**26662**	**27766**	**28186**	**27819**	**27696**	**26736**	**26942**	**26962**	**28528**	**28621**

Regional: Regulated Hydro

Operating Year 2026 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Albeni Falls Hydroelectric	32.0	32.0	21.1	37.1	20.7	20.2	21.8	23.3	23.4	25.4	30.1	35.9	46.0	46.5
2	Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	4.28	37.0	36.3	39.4	40.2	47.1	48.7
3	Bonneville	991	991	1059	1047	1052	1033	1013	988	1035	934	934	929	937	992
4	Boundary	611	611	685	685	611	845	845	845	845	845	845	1005	1017	845
5	Box Canyon Dam	76.8	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	97.8	89.2	86.9	83.5
6	Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7	Cabinet Gorge	262	262	262	262	262	262	262	262	262	262	262	262	262	262
8	Chelan Lake	67.4	67.3	67.3	66.5	65.7	65.4	64.8	64.1	63.9	63.6	63.4	63.6	65.4	67.8
9	Chief Joseph	2451	2451	1990	2513	2481	2459	2428	2504	2323	2445	2445	2516	2465	2501
10	Cushman 1	27.5	22.1	18.8	16.7	8.38	17.2	17.2	15.8	18.4	22.5	22.8	20.0	21.9	21.2
11	Cushman 2	88.0	88.0	0.33	88.0	0	4.94	88.0	4.94	3.63	1.98	88.0	88.0	0.99	88.0
12	Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13	Dworshak	448	447	324	424	345	419	402	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	5170	5109	4757	3728	4003	4317	4508	4796	4722	4039	3930	3879	4829	5201
17	Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18	Hungry Horse	156	156	209	200	310	310	256	212	155	230	192	232	253	259
19	Ice Harbor	587	587	685	586	618	682	693	669	686	666	650	640	646	563
20	John Day	2331	2331	2154	2203	2411	2339	2417	2288	2366	2411	2412	2432	2448	2432
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	63.6	62.9	62.9	63.1	62.9	63.4	62.9
23	Libby	433	433	555	593	589	583	499	501	483	477	477	573	580	542
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	741	741	818	827	826	838	932	932	932	822	796	796	796	804
26	Long Lake	72.0	72.0	72.0	72.0	72.2	69.0	64.0	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27	Lower Baker	59.2	57.3	59.0	61.9	56.9	63.5	63.5	49.7	49.7	49.7	52.3	52.3	63.6	70.6
28	Lower Granite	599	687	768	830	829	840	843	907	919	820	799	917	799	822
29	Lower Monumental	710	769	756	776	780	819	928	928	911	848	837	834	836	700
30	Mayfield	125	125	125	125	125	125	163	125	125	125	172	83.6	125	125
31	McNary	1126	1126	1093	958	966	1046	1122	1126	1121	1112	1112	1126	1125	1126
32	Merwin	147	146	146	129	113	128	128	115	115	113	113	113	131	148
33	Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34	Mossyrock	378	378	378	365	327	317	254	159	177	212	214	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	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
37	Noxon Rapids	533	533	456	211	543	528	543	533	533	535	539	538	543	543
38	Oak Grove	22.0	22.0	22.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
39	Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40	Pelton	85.4	123	123	123	123	123	123	123	123	123	123	123	123	87.4
41	Pelton Rereg	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	14.6	10.3	10.2	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	10.9	10.9	18.8	18.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	18.8
45	Rock Island	582	586	593	592	581	583	592	591	593	593	593	586	566	579
46	Rocky Reach	1307	1306	1304	1305	1307	1307	1305	1305	1304	1304	1304	1306	1311	1307
47	Ross	448	395	441	429	417	403	367	319	286	248	238	293	383	439
48	Round Butte	300	300	300	300	300	300	300	170	170	170	300	300	300	170
49	Swift 1	263	263	260	205	0.21	168	162	140	152	158	146	0.24	251	265
50	Swift 2	62.1	62.1	64.3	65.6	0.09	76.1	76.1	76.1	76.1	76.1	76.1	0.09	59.8	59.8
51	The Dalles	1908	1908	1874	1843	1911	2011	1979	1916	1957	1921	1921	1891	1847	1891
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	94.2	0	85.7	83.3	83.0	66.5	4.37	96.2	97.2	102	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	844	840	836	836	889	843	836	836	836	836	836	840	856	846
56	Wells	800	800	760	760	800	800	800	800	800	800	780	800	800	800
57	Yale	130	131	129	133	129	116	102	94.0	94.0	106	122	106	133	132

Regional: Regulated Hydro

Operating Year 2026 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
58	Federal Entities	17684	17769	17063	16565	17142	17718	18040	18225	18066	17191	16980	17248	18058	18328
59	Investor Owned Utilities	4346	4379	4313	4024	4057	4305	4343	4137	4209	4132	4339	4202	4432	4299
60	Marketer	810	824	824	825	826	823	825	782	772	768	825	824	821	768
61	Municipality	2251	2186	2184	2276	2026	2272	2336	2037	2040	2026	2155	2093	2539	2509
62	Public Utility District	2671	2671	2636	2619	2613	2647	2643	2638	2609	2620	2644	2595	2678	2679
63	**Total Regulated Hydro**	**27764**	**27829**	**27020**	**26309**	**26662**	**27766**	**28186**	**27819**	**27696**	**26736**	**26942**	**26962**	**28528**	**28583**

Regional: Regulated Hydro

Operating Year 2027 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Albeni Falls Hydroelectric	32.0	32.0	21.1	37.1	20.7	20.2	21.8	23.3	23.4	25.4	30.1	35.9	46.0	46.5
2	Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	4.28	37.0	36.3	39.4	40.2	47.1	48.7
3	Bonneville	991	991	1059	1047	1052	1033	1013	988	1035	934	934	929	937	992
4	Boundary	611	611	685	685	611	845	845	845	845	845	845	1005	1017	845
5	Box Canyon Dam	76.8	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	97.8	89.2	86.9	83.5
6	Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7	Cabinet Gorge	262	262	262	262	262	262	262	262	262	262	262	262	262	262
8	Chelan Lake	67.4	67.3	67.3	66.5	65.7	65.4	64.8	64.1	63.9	63.6	63.4	63.6	65.4	67.8
9	Chief Joseph	2451	2451	1990	2513	2481	2459	2428	2504	2323	2445	2445	2516	2465	2501
10	Cushman 1	27.5	22.1	18.8	16.7	8.38	17.2	17.2	15.8	18.4	22.5	22.8	20.0	21.9	21.2
11	Cushman 2	88.0	88.0	0.33	88.0	0	4.94	88.0	4.94	3.63	1.98	88.0	88.0	0.99	88.0
12	Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13	Dworshak	448	447	324	424	345	419	402	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	5170	5109	4757	3728	4003	4317	4508	4796	4722	4039	3930	3879	4829	5201
17	Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18	Hungry Horse	156	156	209	200	310	310	256	212	155	230	192	232	253	259
19	Ice Harbor	587	587	685	586	618	682	693	669	686	666	650	640	646	563
20	John Day	2331	2331	2154	2203	2411	2339	2417	2288	2366	2411	2412	2432	2448	2432
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	63.6	62.9	62.9	63.1	62.9	63.4	62.9
23	Libby	433	433	555	593	589	583	499	501	483	477	477	573	580	542
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	741	741	818	827	826	838	932	932	932	822	796	796	796	804
26	Long Lake	72.0	72.0	72.0	72.0	72.2	69.0	64.0	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27	Lower Baker	59.2	57.3	59.0	61.9	56.9	63.5	63.5	49.7	49.7	49.7	52.3	52.3	63.6	70.6
28	Lower Granite	599	687	768	830	829	840	843	907	919	820	799	917	799	822
29	Lower Monumental	710	769	756	776	780	819	928	928	911	848	837	834	836	700
30	Mayfield	125	125	125	125	125	125	163	125	125	125	172	83.6	125	125
31	McNary	1126	1126	1093	958	966	1046	1122	1126	1121	1112	1112	1126	1125	1126
32	Merwin	147	146	146	129	113	128	128	115	115	113	113	113	131	148
33	Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34	Mossyrock	378	378	378	365	327	317	254	159	177	212	214	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	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
37	Noxon Rapids	533	533	456	211	543	528	543	533	533	535	539	538	543	543
38	Oak Grove	22.0	22.0	22.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
39	Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40	Pelton	85.4	123	123	123	123	123	123	123	123	123	123	123	123	87.4
41	Pelton Rereg	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	14.6	10.3	10.2	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	10.9	10.9	18.8	18.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	18.8
45	Rock Island	582	586	593	592	581	583	592	591	593	593	593	586	566	579
46	Rocky Reach	1307	1306	1304	1305	1307	1307	1305	1305	1304	1304	1304	1306	1311	1307
47	Ross	448	395	441	429	417	403	367	319	286	248	238	293	383	439
48	Round Butte	300	300	300	300	300	300	300	170	170	170	300	300	300	170
49	Swift 1	263	263	260	205	0.21	168	162	140	152	158	146	0.24	251	265
50	Swift 2	62.1	62.1	64.3	65.6	0.09	76.1	76.1	76.1	76.1	76.1	76.1	0.09	59.8	59.8
51	The Dalles	1908	1908	1874	1843	1911	2011	1979	1916	1957	1921	1921	1891	1847	1891
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	94.2	0	85.7	83.3	83.0	66.5	4.37	96.2	97.2	102	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	844	840	836	836	889	843	836	836	836	836	836	840	856	846
56	Wells	800	800	760	760	800	800	800	800	800	800	780	800	800	800
57	Yale	130	131	129	133	129	116	102	94.0	94.0	106	122	106	133	132

Regional: Regulated Hydro

Operating Year 2027 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
58	Federal Entities	17684	17769	17063	16565	17142	17718	18040	18225	18066	17191	16980	17248	18058	18328
59	Investor Owned Utilities	4346	4379	4313	4024	4057	4305	4343	4137	4209	4132	4339	4202	4432	4337
60	Marketer	810	824	824	825	826	823	825	782	772	768	825	824	821	768
61	Municipality	2251	2186	2184	2276	2026	2272	2336	2037	2040	2026	2155	2093	2539	2509
62	Public Utility District	2671	2671	2636	2619	2613	2647	2643	2638	2609	2620	2644	2595	2678	2679
63	**Total Regulated Hydro**	**27764**	**27829**	**27020**	**26309**	**26662**	**27766**	**28186**	**27819**	**27696**	**26736**	**26942**	**26962**	**28528**	**28621**

Regional: Regulated Hydro

Operating Year 2028 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	32.0	32.0	21.1	37.1	20.7	20.2	21.8	23.3	23.4	25.4	30.1	35.9	46.0	46.5
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	4.28	37.0	36.3	39.4	40.2	47.1	48.7
3 Bonneville	991	991	1059	1047	1052	1033	1013	988	1035	934	934	929	937	992
4 Boundary	611	611	685	685	611	845	845	845	845	845	845	1005	1017	845
5 Box Canyon Dam	76.8	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	97.8	89.2	86.9	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	262	262	262	262	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	67.3	66.5	65.7	65.4	64.8	64.1	63.9	63.6	63.4	63.6	65.4	67.8
9 Chief Joseph	2451	2451	1990	2513	2481	2459	2428	2504	2323	2445	2445	2516	2465	2501
10 Cushman 1	27.5	22.1	18.8	16.7	8.38	17.2	17.2	15.8	18.4	22.5	22.8	20.0	21.9	21.2
11 Cushman 2	88.0	88.0	0.33	88.0	0	4.94	88.0	4.94	3.63	1.98	88.0	88.0	0.99	88.0
12 Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13 Dworshak	448	447	324	424	345	419	402	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	5170	5109	4757	3728	4003	4317	4508	4796	4722	4039	3930	3879	4829	5201
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	156	156	209	200	310	310	256	212	155	230	192	232	253	259
19 Ice Harbor	587	587	685	586	618	682	693	669	686	666	650	640	646	563
20 John Day	2331	2331	2154	2203	2411	2339	2417	2288	2366	2411	2412	2432	2448	2432
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	63.6	62.9	62.9	63.1	62.9	63.4	62.9
23 Libby	433	433	555	593	589	583	499	501	483	477	477	573	580	542
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	741	741	818	827	826	838	932	932	932	822	796	796	796	804
26 Long Lake	72.0	72.0	72.0	72.0	72.2	69.0	64.0	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	59.0	61.9	56.9	63.5	63.5	49.7	49.7	49.7	52.3	52.3	63.6	70.6
28 Lower Granite	599	687	768	830	829	840	843	907	919	820	799	917	799	822
29 Lower Monumental	710	769	756	776	780	819	928	928	911	848	837	834	836	700
30 Mayfield	125	125	125	125	125	125	163	125	125	125	172	83.6	125	125
31 McNary	1126	1126	1093	958	966	1046	1122	1126	1121	1112	1112	1126	1125	1126
32 Merwin	147	146	146	129	113	128	128	115	115	113	113	113	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	214	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	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
37 Noxon Rapids	533	533	456	211	543	528	543	533	533	535	539	538	543	543
38 Oak Grove	22.0	22.0	22.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	85.4	123	123	123	123	123	123	123	123	123	123	123	123	87.4
41 Pelton Rereg	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	14.6	10.3	10.2	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	10.9	10.9	18.8	18.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	18.8
45 Rock Island	582	586	593	592	581	583	592	591	593	593	593	586	566	579
46 Rocky Reach	1307	1306	1304	1305	1307	1307	1305	1305	1304	1304	1304	1306	1311	1307
47 Ross	448	395	441	429	417	403	367	319	286	248	238	293	383	439
48 Round Butte	300	300	300	300	300	300	300	170	170	170	300	300	300	170
49 Swift 1	263	263	260	205	0.21	168	162	140	152	158	146	0.24	251	265
50 Swift 2	62.1	62.1	64.3	65.6	0.09	76.1	76.1	76.1	76.1	76.1	76.1	0.09	59.8	59.8
51 The Dalles	1908	1908	1874	1843	1911	2011	1979	1916	1957	1921	1921	1891	1847	1891
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	94.2	0	85.7	83.3	83.0	66.5	4.37	96.2	97.2	102	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	844	840	836	836	889	843	836	836	836	836	836	840	856	846
56 Wells	800	800	760	760	800	800	800	800	800	800	780	800	800	800
57 Yale	130	131	129	133	129	116	102	94.0	94.0	106	122	106	133	132

Regional: Regulated Hydro

Operating Year 2028 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
58	Federal Entities	17684	17769	17063	16565	17142	17718	18040	18225	18066	17191	16980	17248	18058	18328
59	Investor Owned Utilities	4346	4379	4313	4024	4057	4305	4343	4137	4209	4132	4339	4202	4432	4299
60	Marketer	810	824	824	825	826	823	825	782	772	768	825	824	821	768
61	Municipality	2251	2186	2184	2276	2026	2272	2336	2037	2040	2026	2155	2093	2539	2509
62	Public Utility District	2671	2671	2636	2619	2613	2647	2643	2638	2609	2620	2644	2595	2678	2679
63	**Total Regulated Hydro**	**27764**	**27829**	**27020**	**26309**	**26662**	**27766**	**28186**	**27819**	**27696**	**26736**	**26942**	**26962**	**28528**	**28583**

Regional: Regulated Hydro

Operating Year 2029 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Albeni Falls Hydroelectric	32.0	32.0	21.1	37.1	20.7	20.2	21.8	23.3	23.4	25.4	30.1	35.9	46.0	46.5
2	Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	4.28	37.0	36.3	39.4	40.2	47.1	48.7
3	Bonneville	991	991	1059	1047	1052	1033	1013	988	1035	934	934	929	937	992
4	Boundary	611	611	685	685	611	845	845	845	845	845	845	1005	1017	845
5	Box Canyon Dam	76.8	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	97.8	89.2	86.9	83.5
6	Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7	Cabinet Gorge	262	262	262	262	262	262	262	262	262	262	262	262	262	262
8	Chelan Lake	67.4	67.3	67.3	66.5	65.7	65.4	64.8	64.1	63.9	63.6	63.4	63.6	65.4	67.8
9	Chief Joseph	2451	2451	1990	2513	2481	2459	2428	2504	2323	2445	2445	2516	2465	2501
10	Cushman 1	27.5	22.1	18.8	16.7	8.38	17.2	17.2	15.8	18.4	22.5	22.8	20.0	21.9	21.2
11	Cushman 2	88.0	88.0	0.33	88.0	0	4.94	88.0	4.94	3.63	1.98	88.0	88.0	0.99	88.0
12	Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13	Dworshak	448	447	324	424	345	419	402	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	5170	5109	4757	3728	4003	4317	4508	4796	4722	4039	3930	3879	4829	5201
17	Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18	Hungry Horse	156	156	209	200	310	310	256	212	155	230	192	232	253	259
19	Ice Harbor	587	587	685	586	618	682	693	669	686	666	650	640	646	563
20	John Day	2331	2331	2154	2203	2411	2339	2417	2288	2366	2411	2412	2432	2448	2432
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	63.6	62.9	62.9	63.1	62.9	63.4	62.9
23	Libby	433	433	555	593	589	583	499	501	483	477	477	573	580	542
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	741	741	818	827	826	838	932	932	932	822	796	796	796	804
26	Long Lake	72.0	72.0	72.0	72.0	72.2	69.0	64.0	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27	Lower Baker	59.2	57.3	59.0	61.9	56.9	63.5	63.5	49.7	49.7	49.7	52.3	52.3	63.6	70.6
28	Lower Granite	599	687	768	830	829	840	843	907	919	820	799	917	799	822
29	Lower Monumental	710	769	756	776	780	819	928	928	911	848	837	834	836	700
30	Mayfield	125	125	125	125	125	125	163	125	125	125	172	83.6	125	125
31	McNary	1126	1126	1093	958	966	1046	1122	1126	1121	1112	1112	1126	1125	1126
32	Merwin	147	146	146	129	113	128	128	115	115	113	113	113	131	148
33	Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34	Mossyrock	378	378	378	365	327	317	254	159	177	212	214	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	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
37	Noxon Rapids	533	533	456	211	543	528	543	533	533	535	539	538	543	543
38	Oak Grove	22.0	22.0	22.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
39	Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40	Pelton	85.4	123	123	123	123	123	123	123	123	123	123	123	123	87.4
41	Pelton Rereg	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	14.6	10.3	10.2	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	10.9	10.9	18.8	18.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	18.8
45	Rock Island	582	586	593	592	581	583	592	591	593	593	593	586	566	579
46	Rocky Reach	1307	1306	1304	1305	1307	1307	1305	1305	1304	1304	1304	1306	1311	1307
47	Ross	448	395	441	429	417	403	367	319	286	248	238	293	383	439
48	Round Butte	300	300	300	300	300	300	300	170	170	170	300	300	300	170
49	Swift 1	263	263	260	205	0.21	168	162	140	152	158	146	0.24	251	265
50	Swift 2	62.1	62.1	64.3	65.6	0.09	76.1	76.1	76.1	76.1	76.1	76.1	0.09	59.8	59.8
51	The Dalles	1908	1908	1874	1843	1911	2011	1979	1916	1957	1921	1921	1891	1847	1891
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	94.2	0	85.7	83.3	83.0	66.5	4.37	96.2	97.2	102	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	844	840	836	836	889	843	836	836	836	836	836	840	856	846
56	Wells	800	800	760	760	800	800	800	800	800	800	780	800	800	800
57	Yale	130	131	129	133	129	116	102	94.0	94.0	106	122	106	133	132

Regional: Regulated Hydro

Operating Year 2029 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
58	Federal Entities	17684	17769	17063	16565	17142	17718	18040	18225	18066	17191	16980	17248	18058	18328
59	Investor Owned Utilities	4346	4379	4166	3877	3901	4150	4187	3982	4054	3976	4188	4047	4277	4181
60	Marketer	810	824	824	825	826	823	825	782	772	768	825	824	821	768
61	Municipality	2251	2186	2184	2276	2026	2272	2336	2037	2040	2026	2155	2093	2539	2509
62	Public Utility District	2671	2671	2783	2766	2768	2802	2799	2793	2765	2775	2795	2750	2833	2834
63	**Total Regulated Hydro**	**27764**	**27829**	**27020**	**26309**	**26662**	**27766**	**28186**	**27819**	**27696**	**26736**	**26942**	**26962**	**28528**	**28621**

Regional: Regulated Hydro

Operating Year 2030 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	32.0	32.0	21.1	37.1	20.7	20.2	21.8	23.3	23.4	25.4	30.1	35.9	46.0	46.5
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	4.28	37.0	36.3	39.4	40.2	47.1	48.7
3 Bonneville	991	991	1059	1047	1052	1033	1013	988	1035	934	934	929	937	992
4 Boundary	611	611	685	685	611	845	845	845	845	845	845	1005	1017	845
5 Box Canyon Dam	76.8	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	97.8	89.2	86.9	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	262	262	262	262	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	67.3	66.5	65.7	65.4	64.8	64.1	63.9	63.6	63.4	63.6	65.4	67.8
9 Chief Joseph	2451	2451	1990	2513	2481	2459	2428	2504	2323	2445	2445	2516	2465	2501
10 Cushman 1	27.5	22.1	18.8	16.7	8.38	17.2	17.2	15.8	18.4	22.5	22.8	20.0	21.9	21.2
11 Cushman 2	88.0	88.0	0.33	88.0	0	4.94	88.0	4.94	3.63	1.98	88.0	88.0	0.99	88.0
12 Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13 Dworshak	448	447	324	424	345	419	402	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	5170	5109	4757	3728	4003	4317	4508	4796	4722	4039	3930	3879	4829	5201
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	156	156	209	200	310	310	256	212	155	230	192	232	253	259
19 Ice Harbor	587	587	685	586	618	682	693	669	686	666	650	640	646	563
20 John Day	2331	2331	2154	2203	2411	2339	2417	2288	2366	2411	2412	2432	2448	2432
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	63.6	62.9	62.9	63.1	62.9	63.4	62.9
23 Libby	433	433	555	593	589	583	499	501	483	477	477	573	580	542
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	741	741	818	827	826	838	932	932	932	822	796	796	796	804
26 Long Lake	72.0	72.0	72.0	72.0	72.2	69.0	64.0	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	59.0	61.9	56.9	63.5	63.5	49.7	49.7	49.7	52.3	52.3	63.6	70.6
28 Lower Granite	599	687	768	830	829	840	843	907	919	820	799	917	799	822
29 Lower Monumental	710	769	756	776	780	819	928	928	911	848	837	834	836	700
30 Mayfield	125	125	125	125	125	125	163	125	125	125	172	83.6	125	125
31 McNary	1126	1126	1093	958	966	1046	1122	1126	1121	1112	1112	1126	1125	1126
32 Merwin	147	146	146	129	113	128	128	115	115	113	113	113	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	214	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	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
37 Noxon Rapids	533	533	456	211	543	528	543	533	533	535	539	538	543	543
38 Oak Grove	22.0	22.0	22.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	85.4	123	123	123	123	123	123	123	123	123	123	123	123	87.4
41 Pelton Rereg	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	14.6	10.3	10.2	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	10.9	10.9	18.8	18.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	18.8
45 Rock Island	582	586	593	592	581	583	592	591	593	593	593	586	566	579
46 Rocky Reach	1307	1306	1304	1305	1307	1307	1305	1305	1304	1304	1304	1306	1311	1307
47 Ross	448	395	441	429	417	403	367	319	286	248	238	293	383	439
48 Round Butte	300	300	300	300	300	300	300	170	170	170	300	300	300	170
49 Swift 1	263	263	260	205	0.21	168	162	140	152	158	146	0.24	251	265
50 Swift 2	62.1	62.1	64.3	65.6	0.09	76.1	76.1	76.1	76.1	76.1	76.1	0.09	59.8	59.8
51 The Dalles	1908	1908	1874	1843	1911	2011	1979	1916	1957	1921	1921	1891	1847	1891
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	94.2	0	85.7	83.3	83.0	66.5	4.37	96.2	97.2	102	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	844	840	836	836	889	843	836	836	836	836	836	840	856	846
56 Wells	800	800	760	760	800	800	800	800	800	800	780	800	800	800
57 Yale	130	131	129	133	129	116	102	94.0	94.0	106	122	106	133	132

Regional: Regulated Hydro

Operating Year 2030 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
58	Federal Entities	17684	17769	17063	16565	17142	17718	18040	18225	18066	17191	16980	17248	18058	18328
59	Investor Owned Utilities	4191	4224	4166	3877	3901	4150	4187	3982	4054	3976	4188	4047	4277	4181
60	Marketer	810	824	824	825	826	823	825	782	772	768	825	824	821	768
61	Municipality	2251	2186	2184	2276	2026	2272	2336	2037	2040	2026	2155	2093	2539	2509
62	Public Utility District	2827	2826	2783	2766	2768	2802	2799	2793	2765	2775	2795	2750	2833	2834
63	**Total Regulated Hydro**	**27764**	**27829**	**27020**	**26309**	**26662**	**27766**	**28186**	**27819**	**27696**	**26736**	**26942**	**26962**	**28528**	**28621**

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Exhibit 20
Regional Independent Hydro

Monthly 120-Hour Capacity
Operating Year 2021 to 2030
Using 1937-Water Conditions

Regional: Independent Hydro

Operating Year 2021 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

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
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

Regional: Independent Hydro

Operating Year 2021 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
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**

Regional: Independent Hydro

Operating Year 2022 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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
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

Regional: Independent Hydro

Operating Year 2022 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
	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**

Regional: Independent Hydro

Operating Year 2023 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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
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

Regional: Independent Hydro

Operating Year 2023 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
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**

Regional: Independent Hydro

Operating Year 2024 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

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
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

Regional: Independent Hydro

Operating Year 2024 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
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**

Regional: Independent Hydro

Operating Year 2025 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

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
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

Regional: Independent Hydro

Operating Year 2025 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
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**

Regional: Independent Hydro

Operating Year 2026 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

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
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

Regional: Independent Hydro

Operating Year 2026 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
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**

Regional: Independent Hydro

Operating Year 2027 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

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
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

Regional: Independent Hydro

Operating Year 2027 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
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**

Regional: Independent Hydro

Operating Year 2028 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

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
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

Regional: Independent Hydro

Operating Year 2028 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
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**

Regional: Independent Hydro

Operating Year 2029 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

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
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

Regional: Independent Hydro

Operating Year 2029 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
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**

Regional: Independent Hydro

Operating Year 2030 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

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
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

Regional: Independent Hydro

Operating Year 2030 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
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 2021 to 2030
Using 1937-Water Conditions

Federal Report Surplus Deficit By Water Year

Operating Year 2021

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	771	1665	1698	328	580	-148	-61.3	111	127	-999	-1565	-67.8	3152	237
2	1930 Federal Report Surplus Deficit	1100	1055	1693	381	706	-88.4	-1011	205	65.8	-413	-943	-126	1298	1793
3	1931 Federal Report Surplus Deficit	1568	1309	1467	351	608	73.6	-917	17.6	149	-644	-1693	167	1214	1708
4	1932 Federal Report Surplus Deficit	1825	1331	1513	42.3	206	-52.9	-101	-1682	2255	2131	3901	4498	4144	3541
5	1933 Federal Report Surplus Deficit	1537	1937	1692	357	383	1442	2340	3395	2337	1233	526	3284	5167	5027
6	1934 Federal Report Surplus Deficit	3462	3222	1760	1069	2436	2785	3453	4718	4158	4132	3861	3875	3619	789
7	1935 Federal Report Surplus Deficit	510	953	1419	219	19.5	474	2243	3069	2480	-104	1171	2850	2232	3626
8	1936 Federal Report Surplus Deficit	2866	1363	1718	218	544	-143	-801	-421	409	-485	2659	4624	3916	2588
9	1937 Federal Report Surplus Deficit	1117	1104	1673	399	798	46.7	-1061	-566	-246	-869	-1511	-19.2	2587	1280
10	1938 Federal Report Surplus Deficit	1084	862	1634	309	443	827	1826	2335	3462	2675	4055	4206	3291	3844
11	1939 Federal Report Surplus Deficit	548	909	1684	315	382	-173	1152	1379	1192	260	1797	2660	1960	2025
12	1940 Federal Report Surplus Deficit	1116	1146	1624	401	786	957	1257	822	2832	1469	876	2970	1981	222
13	1941 Federal Report Surplus Deficit	677	765	1481	147	756	700	402	520	959	-694	-1681	-140	1761	1467
14	1942 Federal Report Surplus Deficit	1659	1426	1505	69.2	1057	1865	1904	2237	201	-702	272	1284	4035	4188
15	1943 Federal Report Surplus Deficit	1411	1894	1572	404	188	436	2588	3196	3243	4755	4560	3400	4876	4938
16	1944 Federal Report Surplus Deficit	2138	1857	1731	246	577	-135	432	163	-258	-1063	-1926	-91.6	1193	376
17	1945 Federal Report Surplus Deficit	1580	1094	1505	116	540	6.03	-449	-287	4.55	-910	-1720	2464	4028	749
18	1946 Federal Report Surplus Deficit	1259	1187	1717	208	660	896	1669	2437	2526	3436	4319	4519	3482	4305
19	1947 Federal Report Surplus Deficit	2045	1743	1663	180	1120	2517	3051	4055	3524	2299	1627	4139	3862	3976
20	1948 Federal Report Surplus Deficit	1480	1286	1660	2943	2172	1780	3001	3677	2434	1728	3163	5375	5320	4399
21	1949 Federal Report Surplus Deficit	3251	2974	1695	664	863	788	1569	2153	3550	2497	3432	4518	3321	924
22	1950 Federal Report Surplus Deficit	281	882	1661	223	470	985	2887	4052	3975	3603	2553	3788	4991	5258
23	1951 Federal Report Surplus Deficit	2962	3058	1776	1370	2363	2477	3419	5054	4470	3968	3279	4309	3682	4761
24	1952 Federal Report Surplus Deficit	2904	1885	1669	2423	1673	1822	2911	3906	2461	3718	4750	5046	3868	3901
25	1953 Federal Report Surplus Deficit	2225	1268	1699	343	528	-89.7	616	4537	1690	-1059	-262	3299	5158	4869
26	1954 Federal Report Surplus Deficit	1505	2023	1723	595	1123	1367	2639	4267	3247	1572	1562	4411	4614	5167
27	1955 Federal Report Surplus Deficit	3474	4068	2860	737	1773	1323	889	1290	-335	-679	-703	2503	5105	5215
28	1956 Federal Report Surplus Deficit	3273	2819	1746	876	2102	2511	3434	4776	4480	3386	4954	5295	5053	4587
29	1957 Federal Report Surplus Deficit	2306	1952	1708	854	822	1506	1775	1282	2969	3355	1971	5245	4966	2975
30	1958 Federal Report Surplus Deficit	1033	985	1660	280	646	720	2365	3088	2223	758	2545	4681	4465	2581
31	1959 Federal Report Surplus Deficit	1081	1229	1644	606	1676	2284	3273	4626	2890	2764	1949	3895	4527	4906
32	1960 Federal Report Surplus Deficit	2991	2343	3452	3667	2500	2063	2513	2951	2632	4031	3147	2859	4080	3546
33	1961 Federal Report Surplus Deficit	2355	1256	1660	544	1056	975	2186	3373	3780	2616	1175	4085	4752	2817
34	1962 Federal Report Surplus Deficit	1194	1320	1631	204	672	929	2263	3134	819	999	3949	3636	3485	2742
35	1963 Federal Report Surplus Deficit	2243	1965	1703	1127	1779	2095	2482	3202	964	-7.33	-532	2765	4241	3417
36	1964 Federal Report Surplus Deficit	2082	1637	1687	194	705	944	1433	1876	297	882	384	3680	5414	5071
37	1965 Federal Report Surplus Deficit	3469	2312	2025	1413	1521	2613	3604	5089	4336	816	4385	4613	4242	3991
38	1966 Federal Report Surplus Deficit	3497	3305	1539	705	905	1126	2058	2658	976	1505	1251	2403	3491	3421
39	1967 Federal Report Surplus Deficit	2304	1219	1645	124	502	1518	3005	4171	3253	1363	-292	3466	5008	4642
40	1968 Federal Report Surplus Deficit	2678	1694	1647	556	1287	1126	2387	3625	3463	-760	-751	2289	4093	3776
41	1969 Federal Report Surplus Deficit	2959	2480	2355	1465	2180	1820	3356	4585	3416	3531	4245	4933	4289	3994
42	1970 Federal Report Surplus Deficit	1353	940	1791	726	948	528	2263	3352	1642	-526	-625	3147	4737	2741
43	1971 Federal Report Surplus Deficit	1638	1364	1635	244	675	1054	3476	4821	4429	3328	3092	5247	5324	4887
44	1972 Federal Report Surplus Deficit	3450	2150	1815	897	1005	1429	3264	4611	5325	4721	2669	4971	5240	4927
45	1973 Federal Report Surplus Deficit	3504	3723	1699	794	1102	1115	2041	2692	753	-1071	-1917	-63.4	1824	1023
46	1974 Federal Report Surplus Deficit	1258	739	1490	193	459	1902	3695	4778	4950	4248	4269	4675	5397	5293
47	1975 Federal Report Surplus Deficit	3410	3419	1744	135	546	610	2152	2919	3387	-80.4	313	3871	4951	5094
48	1976 Federal Report Surplus Deficit	2612	2774	1806	1655	2340	2804	3276	4635	3836	3859	2971	4982	4155	4939
49	1977 Federal Report Surplus Deficit	3494	4204	3423	928	639	6.28	695	388	-357	-1079	-1863	-214	1202	258
50	1978 Federal Report Surplus Deficit	1557	1179	1460	-49.8	500	1112	1937	2393	2009	3528	1541	3688	2966	3963
51	1979 Federal Report Surplus Deficit	1560	1292	2103	960	1005	191	1367	800	2221	-151	804	3698	2208	493
52	1980 Federal Report Surplus Deficit	899	859	1707	337	538	-226	1415	198	369	1246	2377	4620	4237	2876
53	1981 Federal Report Surplus Deficit	604	912	1546	232	1038	2028	2814	4005	1215	-1015	-417	3659	4852	4631
54	1982 Federal Report Surplus Deficit	3563	3400	1661	471	1327	1103	2703	4888	5192	3351	2009	4416	4830	5189

Federal Report Surplus Deficit By Water Year

Operating Year 2021

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	3598	3149	2368	1532	1371	1536	2952	4345	4419	2544	1420	3723	4003	4889
56	1984 Federal Report Surplus Deficit	3429	2542	1797	701	2481	1784	2813	3779	3892	2049	3545	3755	4860	4765
57	1985 Federal Report Surplus Deficit	2973	2082	1817	722	1290	1126	1666	1951	1106	1757	2452	3213	2033	1050
58	1986 Federal Report Surplus Deficit	257	858	1645	1002	1790	1293	2394	4224	4802	3565	3265	3068	3925	2292
59	1987 Federal Report Surplus Deficit	1725	1101	1663	105	1148	1215	1187	454	1676	-76.2	338	3676	2272	230
60	1988 Federal Report Surplus Deficit	604	827	1503	163	403	-277	-695	-122	110	-912	-180	149	2164	2290
61	1989 Federal Report Surplus Deficit	1325	1045	1674	227	653	746	226	-1007	2064	1260	3795	3165	2263	1587
62	1990 Federal Report Surplus Deficit	755	961	1693	365	1052	1505	2085	3756	2691	1369	3250	3397	4250	3561
63	1991 Federal Report Surplus Deficit	3028	2167	1681	196	2375	1910	2918	3815	2887	1880	1409	3485	4058	4801
64	1992 Federal Report Surplus Deficit	3573	3106	1671	201	672	-277	694	698	849	-1032	-619	2885	1688	95.2
65	1993 Federal Report Surplus Deficit	1020	836	1456	175	709	203	-151	-1225	1166	-192	-1158	3983	3306	2630
66	1994 Federal Report Surplus Deficit	1666	1795	1773	410	877	253	-161	502	79.0	-876	597	1980	1947	1952
67	1995 Federal Report Surplus Deficit	1170	757	1497	214	318	230	1257	2477	3032	371	-1031	3283	4186	3668
68	1996 Federal Report Surplus Deficit	1335	1614	1715	1508	2548	3025	3605	5078	5094	3598	4497	4392	4383	4759
69	1997 Federal Report Surplus Deficit	3418	2001	1727	510	1178	1848	3771	4874	5121	4004	4660	5426	5178	4895
70	1998 Federal Report Surplus Deficit	3432	2916	2306	3166	2111	1148	1712	3563	1928	-261	-350	4607	4618	3898
71	1999 Federal Report Surplus Deficit	2766	1237	1734	362	372	1711	3218	4420	4823	2027	2779	3721	4646	5083
72	2000 Federal Report Surplus Deficit	3588	4187	1707	530	2398	2087	2248	3019	2901	2982	3814	3527	1792	3366
73	2001 Federal Report Surplus Deficit	2501	839	1647	358	558	-48.3	395	124	133	-1104	-1782	-99.7	1195	763
74	2002 Federal Report Surplus Deficit	1598	1062	1620	-76.4	504	624	23.2	481	825	911	2926	2817	4557	4505
75	2003 Federal Report Surplus Deficit	959	1033	1677	456	829	80.7	228	1178	2761	677	703	1381	4192	1817
76	2004 Federal Report Surplus Deficit	664	871	1618	208	1170	1090	653	-21.9	942	487	455	1991	2945	1829
77	2005 Federal Report Surplus Deficit	397	1162	1555	877	1008	1378	1735	2897	1031	-1144	-862	2157	2708	2428
78	2006 Federal Report Surplus Deficit	1352	1021	1726	373	1140	1078	2682	3913	2593	3964	3756	4552	4529	3074
79	2007 Federal Report Surplus Deficit	663	880	1681	193	1122	1130	2263	2180	3831	2087	927	3714	3507	3264
80	2008 Federal Report Surplus Deficit	954	878	1624	347	1057	449	833	1000	1218	-7.32	-621	3803	5267	4348

Ranked Averages

81	**Bottom 10 pct**	**483**	**923**	**1587**	**403**	**779**	**855**	**1849**	**2710**	**2330**	**793**	**1032**	**2756**	**3292**	**3227**
82	**Middle 80 pct**	**1958**	**1596**	**1725**	**639**	**1077**	**1103**	**1790**	**2473**	**2364**	**1461**	**1661**	**3419**	**3876**	**3258**
83	**Top 10 pct**	**3536**	**3643**	**2116**	**737**	**1273**	**1002**	**1785**	**2497**	**1800**	**815**	**424**	**2397**	**2992**	**2932**

Federal Report Surplus Deficit By Water Year

Operating Year 2022

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	1636	2237	557	9.12	278	-313	-145	62.6	83.3	-1047	-1656	869	3866	302
2	1930 Federal Report Surplus Deficit	819	809	513	72.2	407	-245	-1084	153	15.1	-489	-995	922	2192	1837
3	1931 Federal Report Surplus Deficit	1104	960	305	47.0	312	-111	-995	-33.2	104	-721	-1802	1172	2122	1748
4	1932 Federal Report Surplus Deficit	1520	878	381	-277	-88.3	-228	-188	-1885	2275	2010	3378	4275	4639	3491
5	1933 Federal Report Surplus Deficit	1949	2193	1027	42.3	92.7	1498	2613	3092	2473	1085	598	3249	5590	4739
6	1934 Federal Report Surplus Deficit	4017	3910	1170	778	2877	2796	3773	4239	4270	4035	3322	3365	4120	821
7	1935 Federal Report Surplus Deficit	514	946	-46.1	-90.7	-221	291	2456	2933	2509	-191	1124	3046	3056	3551
8	1936 Federal Report Surplus Deficit	3611	1273	352	-101	243	-311	-911	-491	372	-580	2504	4384	4446	2605
9	1937 Federal Report Surplus Deficit	671	721	-21.2	89.4	507	-136	-1171	-644	-233	-917	-1617	918	3329	1321
10	1938 Federal Report Surplus Deficit	969	628	582	-8.34	148	686	1927	2578	3219	2541	3767	3786	3962	3768
11	1939 Federal Report Surplus Deficit	768	682	783	0.62	92.1	-312	1152	1331	1177	225	1786	3021	2801	2068
12	1940 Federal Report Surplus Deficit	444	609	139	97.3	502	882	1300	783	2878	1420	844	3220	2783	286
13	1941 Federal Report Surplus Deficit	282	255	260	-166	469	547	334	485	944	-771	-1782	879	2582	1509
14	1942 Federal Report Surplus Deficit	1213	930	711	-250	783	2112	2030	2155	159	-761	247	1988	4539	4050
15	1943 Federal Report Surplus Deficit	2363	2371	1229	96.3	-75.3	252	2855	3080	3298	4595	4187	3448	5318	4715
16	1944 Federal Report Surplus Deficit	2567	1988	586	-79.3	276	-296	377	116	-315	-1110	-2023	846	2100	398
17	1945 Federal Report Surplus Deficit	1007	435	197	-203	238	-178	-534	-364	-50.7	-957	-1817	2871	4512	778
18	1946 Federal Report Surplus Deficit	997	856	372	-116	357	769	1736	2342	2593	3458	3892	3824	4101	4146
19	1947 Federal Report Surplus Deficit	3212	2738	972	-152	847	2821	3456	3750	3556	2326	1630	3980	4383	3863
20	1948 Federal Report Surplus Deficit	1875	1641	865	2711	2142	2002	3371	3486	2462	1560	2995	4759	5624	4223
21	1949 Federal Report Surplus Deficit	4068	4022	1401	364	568	644	1665	2082	3698	2361	3272	4304	3971	961
22	1950 Federal Report Surplus Deficit	166	192	104	-101	174	918	3261	3867	4024	3535	2572	3504	5350	4976
23	1951 Federal Report Surplus Deficit	4022	3828	1320	1083	2433	2865	3840	4580	4582	3928	3072	3812	4244	4516
24	1952 Federal Report Surplus Deficit	3428	1824	956	2160	1491	2045	3254	3705	2476	3699	4362	4474	4455	3816
25	1953 Federal Report Surplus Deficit	2171	1318	-32.8	24.0	226	-262	555	4312	1693	-1106	-263	3446	5608	4643
26	1954 Federal Report Surplus Deficit	2517	2369	977	291	852	1373	2923	4042	3245	1567	1585	3820	4813	4894
27	1955 Federal Report Surplus Deficit	4316	4901	2839	437	1617	1377	860	1244	-306	-757	-739	2930	5456	4939
28	1956 Federal Report Surplus Deficit	3896	3152	888	580	2027	2833	3853	4524	4657	3402	4372	4618	5338	4386
29	1957 Federal Report Surplus Deficit	3559	3552	1043	558	523	1566	1905	1238	3059	3292	1912	5008	5367	2962
30	1958 Federal Report Surplus Deficit	2437	1056	395	-39.3	344	559	2588	2975	2266	680	2412	4505	4927	2602
31	1959 Federal Report Surplus Deficit	2093	1155	515	302	1482	2802	3813	4177	2942	2758	1930	3305	4899	4648
32	1960 Federal Report Surplus Deficit	3904	4143	3537	3642	2930	2633	2830	2820	2588	3995	2895	3156	4596	3506
33	1961 Federal Report Surplus Deficit	3047	1125	644	239	779	876	2405	3315	3730	2549	1233	3560	5067	2819
34	1962 Federal Report Surplus Deficit	2036	1476	366	-121	370	811	2467	2994	796	933	3631	3571	4112	2758
35	1963 Federal Report Surplus Deficit	2593	2054	519	837	1623	2519	2839	3071	951	-90.8	-551	3108	4716	3365
36	1964 Federal Report Surplus Deficit	2130	1482	1163	-129	404	837	1469	1810	255	789	386	3640	5808	4796
37	1965 Federal Report Surplus Deficit	3837	3823	1814	1128	1332	2834	3877	4604	4486	785	4094	3981	4718	3885
38	1966 Federal Report Surplus Deficit	3776	3647	564	411	618	1103	2209	2547	957	1431	1232	2862	4123	3385
39	1967 Federal Report Surplus Deficit	2418	1125	593	-195	203	1588	3421	3900	3303	1381	-290	3234	5277	4455
40	1968 Federal Report Surplus Deficit	3139	3024	1128	256	1045	1104	2620	3451	3504	-845	-780	2780	4543	3688
41	1969 Federal Report Surplus Deficit	3363	3591	2178	1182	2158	2049	3809	4243	3524	3450	3629	4325	4706	3894
42	1970 Federal Report Surplus Deficit	1916	946	702	427	660	350	2460	3195	1525	-529	-623	3326	5212	2745
43	1971 Federal Report Surplus Deficit	1289	1044	180	-70.3	373	969	3870	4380	4567	3355	2941	4654	5636	4665
44	1972 Federal Report Surplus Deficit	4017	4366	1343	602	718	1455	3741	4583	5236	4358	2518	4288	5542	4699
45	1973 Federal Report Surplus Deficit	4118	4597	1464	498	827	1035	2186	2579	730	-1118	-2013	874	2666	1061
46	1974 Federal Report Surplus Deficit	1181	300	189	-121	166	2187	3847	4347	5055	4190	3716	4033	5736	5029
47	1975 Federal Report Surplus Deficit	4164	4593	1410	-198	246	435	2325	2803	3343	-56.0	275	3575	5442	4863
48	1976 Federal Report Surplus Deficit	3127	3248	1590	1372	2403	2859	3796	4285	3895	3838	2802	4433	4626	4682
49	1977 Federal Report Surplus Deficit	4235	4950	3479	634	336	-178	669	346	-327	-1126	-1960	823	2109	282
50	1978 Federal Report Surplus Deficit	1008	487	-444	-404	201	1029	2050	2269	2094	3539	1487	3383	3608	3872
51	1979 Federal Report Surplus Deficit	2549	2065	2082	669	723	7.93	1406	761	2240	-294	816	3702	2990	519
52	1980 Federal Report Surplus Deficit	470	357	537	25.0	236	-352	1444	151	332	1140	2245	4214	4749	2872
53	1981 Federal Report Surplus Deficit	748	621	689	-79.5	765	2474	3366	3818	1212	-1063	-417	3590	5219	4428
54	1982 Federal Report Surplus Deficit	4049	4094	1138	162	1095	1028	2994	4598	5111	3389	1923	4059	5325	4982

Federal Report Surplus Deficit By Water Year

Operating Year 2022

2019 White Book Report Date: **2/6/2020** *Continued*

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	3976	4481	2247	1247	1140	1596	3294	4194	4643	2444	1426	3687	4580	4663
56	1984 Federal Report Surplus Deficit	3799	4099	1574	400	2662	1961	3127	3623	4111	1950	3337	3736	5363	4546
57	1985 Federal Report Surplus Deficit	3357	2191	1538	420	1038	1063	1752	1881	1095	1671	2324	3388	2828	1087
58	1986 Federal Report Surplus Deficit	262	168	506	709	1637	1301	2613	4142	4941	3536	3051	3223	4523	2329
59	1987 Federal Report Surplus Deficit	1535	780	314	-225	878	1185	1193	413	1677	-240	390	3561	3011	265
60	1988 Federal Report Surplus Deficit	421	205	114	-152	101	-421	-774	-178	63.4	-960	-207	1161	2951	2326
61	1989 Federal Report Surplus Deficit	1120	802	461	-90.9	351	598	124	-1123	2048	1163	3556	3324	3037	1634
62	1990 Federal Report Surplus Deficit	486	677	432	54.1	776	1641	2244	3524	2772	1369	3070	3266	4602	3493
63	1991 Federal Report Surplus Deficit	2958	2888	456	-129	2574	2257	3420	3587	2869	1903	1504	3450	4502	4568
64	1992 Federal Report Surplus Deficit	3984	3376	582	-123	370	-405	659	678	813	-1105	-655	3119	2525	160
65	1993 Federal Report Surplus Deficit	639	407	-45.7	-136	409	18.3	-238	-1363	1148	-277	-1236	3867	3930	2647
66	1994 Federal Report Surplus Deficit	992	1346	495	98.2	590	68.3	-248	462	29.0	-943	574	2534	2783	1993
67	1995 Federal Report Surplus Deficit	908	414	262	-95.7	26.5	44.7	1267	2408	3069	294	-1095	3390	4652	3597
68	1996 Federal Report Surplus Deficit	1940	1422	1150	1223	3045	2815	3856	4600	5085	3630	3998	3957	4865	4529
69	1997 Federal Report Surplus Deficit	3783	3650	1095	202	911	2060	3911	4396	5180	3962	4146	4887	5492	4647
70	1998 Federal Report Surplus Deficit	3709	4433	2155	2971	2077	1082	1786	3389	1939	-355	-373	4386	5112	3806
71	1999 Federal Report Surplus Deficit	3326	3033	449	43.1	87.2	1864	3667	4297	4889	1858	2699	3695	5134	4824
72	2000 Federal Report Surplus Deficit	4432	4827	1181	223	2790	2546	2447	2900	2948	3085	3523	3538	2604	3332
73	2001 Federal Report Surplus Deficit	2656	631	336	44.0	256	-224	340	76.3	88.3	-1151	-1879	838	2102	792
74	2002 Federal Report Surplus Deficit	1211	458	-325	-430	204	456	-63.9	443	788	807	2802	3099	4906	4316
75	2003 Federal Report Surplus Deficit	1467	1499	528	150	535	-96.8	149	1134	2789	533	739	2111	4687	1858
76	2004 Federal Report Surplus Deficit	262	276	-219	-103	928	1021	601	-74.6	927	325	488	2573	3617	1870
77	2005 Federal Report Surplus Deficit	205	1080	1347	584	728	1402	1866	2774	982	-1191	-853	2581	3445	2461
78	2006 Federal Report Surplus Deficit	1136	781	141	61.0	878	1004	2894	3823	2635	3895	3509	4376	4916	3059
79	2007 Federal Report Surplus Deficit	969	447	-391	-129	852	1069	2477	2099	3922	2047	892	3661	4138	3247
80	2008 Federal Report Surplus Deficit	539	188	-554	42.3	783	267	790	968	1173	-50.2	-619	3750	5593	4195
	Ranked Averages														
81	**Bottom 10 pct**	**314**	**393**	**348**	**112**	**597**	**662**	**1331**	**1494**	**1886**	**879**	**795**	**2669**	**3750**	**2329**
82	**Middle 80 pct**	**2211**	**1831**	**735**	**339**	**845**	**1094**	**2008**	**2418**	**2359**	**1321**	**1463**	**3400**	**4392**	**3242**
83	**Top 10 pct**	**4175**	**4476**	**1779**	**400**	**1239**	**1219**	**2123**	**2641**	**2472**	**1213**	**919**	**2989**	**3977**	**3117**

Federal Report Surplus Deficit By Water Year

Operating Year 2023

2019 White Book Report Date: **2/6/2020**

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	1768	2372	605	102	395	-252	-211	37.7	57.7	-1074	-1720	-204	2726	260
2	1930 Federal Report Surplus Deficit	925	887	567	170	519	-183	-1144	128	-4.67	-531	-1078	-142	1069	1782
3	1931 Federal Report Surplus Deficit	1227	1048	360	144	419	-50.8	-1056	-57.7	80.0	-763	-1860	153	1005	1709
4	1932 Federal Report Surplus Deficit	1652	963	437	-180	37.8	-168	-253	-1893	2201	1992	3622	3936	3538	3373
5	1933 Federal Report Surplus Deficit	2072	2327	1079	139	217	1655	2618	3047	2409	1013	524	2860	4429	4474
6	1934 Federal Report Surplus Deficit	3833	3922	1217	874	3189	4371	4140	4340	4169	4021	3486	3177	2873	775
7	1935 Federal Report Surplus Deficit	601	1042	7.91	4.40	-82.8	355	2460	2926	2427	-216	1045	2506	1922	3436
8	1936 Federal Report Surplus Deficit	3539	1380	405	-4.32	361	-250	-966	-513	332	-607	2497	4028	3336	2522
9	1937 Federal Report Surplus Deficit	763	790	30.7	187	613	-76.4	-1226	-665	-230	-944	-1677	-156	2200	1270
10	1938 Federal Report Surplus Deficit	1091	697	636	87.9	271	765	1917	2565	3144	2457	3833	3583	2822	3631
11	1939 Federal Report Surplus Deficit	864	744	838	96.8	219	-248	1108	1304	1115	195	1728	2349	1691	2017
12	1940 Federal Report Surplus Deficit	513	671	192	196	604	980	1267	756	2798	1365	754	2611	1668	245
13	1941 Federal Report Surplus Deficit	364	288	315	-65.8	574	621	272	459	876	-817	-1844	-163	1465	1470
14	1942 Federal Report Surplus Deficit	1344	1023	765	-153	882	2324	2026	2140	129	-810	152	1116	3481	3885
15	1943 Federal Report Surplus Deficit	2470	2524	1275	193	57.7	315	2876	3100	3223	4631	4247	2929	4214	4495
16	1944 Federal Report Surplus Deficit	2634	2121	635	12.4	394	-235	318	90.9	-312	-1138	-2085	-228	963	358
17	1945 Federal Report Surplus Deficit	1132	488	252	-102	357	-118	-598	-385	-59.3	-985	-1879	2151	3457	726
18	1946 Federal Report Surplus Deficit	1112	933	423	-22.6	472	852	1709	2325	2480	3355	4065	3664	2985	3972
19	1947 Federal Report Surplus Deficit	3202	2867	1021	-61.8	940	3522	3530	3755	3494	2232	1572	3560	3257	3711
20	1948 Federal Report Surplus Deficit	1996	1765	911	2853	2318	2205	3419	3504	2381	1518	3019	4571	4620	4054
21	1949 Federal Report Surplus Deficit	3868	3894	1444	458	672	721	1650	2060	3620	2293	3310	3933	2830	908
22	1950 Federal Report Surplus Deficit	248	214	154	-8.14	296	1017	3320	3862	3957	3433	2557	3230	4220	4746
23	1951 Federal Report Surplus Deficit	3838	3916	1364	1179	2633	3656	4135	4682	4438	3853	3103	3653	3132	4304
24	1952 Federal Report Surplus Deficit	3390	1953	999	2261	1600	2248	3294	3730	2412	3619	4499	4378	3320	3664
25	1953 Federal Report Surplus Deficit	2272	1430	18.1	120	344	-201	494	4316	1612	-1134	-360	2893	4569	4436
26	1954 Federal Report Surplus Deficit	2589	2502	1029	389	949	1502	2948	4048	3142	1522	1525	3627	3671	4629
27	1955 Federal Report Surplus Deficit	4060	3925	2907	532	1749	1532	808	1217	-303	-799	-830	2234	4275	4685
28	1956 Federal Report Surplus Deficit	3735	3266	939	676	2195	3571	3976	4522	4547	3320	4625	4457	4235	4217
29	1957 Federal Report Surplus Deficit	3474	3637	1091	654	630	1724	1903	1211	2963	3165	1866	4749	4267	2882
30	1958 Federal Report Surplus Deficit	2527	1150	450	54.5	460	632	2595	2995	2179	627	2391	4110	3810	2515
31	1959 Federal Report Surplus Deficit	2206	1259	569	398	1603	3097	3896	4221	2873	2656	1885	3077	3733	4433
32	1960 Federal Report Surplus Deficit	3771	4041	3630	3906	3260	2917	2857	2821	2492	3926	2939	2517	3468	3381
33	1961 Federal Report Surplus Deficit	3065	1224	693	335	875	966	2410	3335	3662	2457	1158	3355	3933	2736
34	1962 Federal Report Surplus Deficit	2148	1594	419	-29.3	483	896	2476	3001	744	904	3775	3168	2972	2680
35	1963 Federal Report Surplus Deficit	2656	2187	570	932	1750	2775	2875	3091	892	-126	-646	2456	3618	3254
36	1964 Federal Report Surplus Deficit	2235	1602	1212	-34.3	515	925	1434	1785	221	740	287	3206	4769	4562
37	1965 Federal Report Surplus Deficit	3693	3899	1847	1222	1417	3702	4277	4727	4350	769	4189	3780	3660	3734
38	1966 Federal Report Surplus Deficit	3650	3737	605	506	718	1214	2212	2534	889	1357	1151	2151	2964	3278
39	1967 Federal Report Surplus Deficit	2508	1224	643	-100	323	1745	3486	3898	3234	1328	-387	2925	4217	4257
40	1968 Federal Report Surplus Deficit	3141	3144	1178	351	1134	1216	2629	3469	3441	-878	-869	2053	3433	3561
41	1969 Federal Report Surplus Deficit	3328	3668	2198	1277	2337	2254	3921	4237	3467	3368	3848	4196	3534	3727
42	1970 Federal Report Surplus Deficit	2038	1034	752	522	762	416	2459	3214	1458	-564	-716	2775	4155	2676
43	1971 Federal Report Surplus Deficit	1418	1139	230	23.2	488	1063	4068	4499	4462	3251	2965	4480	4617	4446
44	1972 Federal Report Surplus Deficit	3837	3944	1388	697	819	1581	3817	4583	5018	4430	2488	4094	4492	4476
45	1973 Federal Report Surplus Deficit	3916	3954	1507	594	924	1131	2188	2566	677	-1146	-2076	-200	1533	1018
46	1974 Federal Report Surplus Deficit	1308	341	241	-24.7	288	2387	4311	4456	4877	4138	3857	3846	4697	4808
47	1975 Federal Report Surplus Deficit	3943	3948	1454	-105	365	502	2317	2790	3278	-90.7	179	3338	4436	4669
48	1976 Federal Report Surplus Deficit	3117	3349	1626	1467	2601	4252	3883	4286	3812	3761	2816	4302	3526	4451
49	1977 Federal Report Surplus Deficit	4026	4061	3570	730	451	-118	618	320	-324	-1153	-2022	-222	972	241
50	1978 Federal Report Surplus Deficit	1131	546	-395	-303	323	1145	2052	2240	2031	3437	1423	3177	2478	3727
51	1979 Federal Report Surplus Deficit	2629	2197	2107	765	823	67.9	1372	734	2162	-340	720	3223	1834	474
52	1980 Federal Report Surplus Deficit	542	390	590	121	353	-287	1407	126	296	1095	2224	3952	3649	2792
53	1981 Federal Report Surplus Deficit	848	682	735	14.3	860	2707	3460	3834	1143	-1090	-513	3167	4077	4233
54	1982 Federal Report Surplus Deficit	3879	4019	1186	257	1185	1125	3022	4706	4908	3310	1749	3815	4258	4766

Federal Report Surplus Deficit By Water Year

Operating Year 2023

2019 White Book Report Date: **2/6/2020** *Continued*

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	3829	4052	2275	1341	1230	1754	3337	4209	4470	2343	1352	3227	3450	4452
56	1984 Federal Report Surplus Deficit	3663	3926	1616	496	2891	2152	3161	3641	4020	1905	3387	3266	4359	4350
57	1985 Federal Report Surplus Deficit	3313	2326	1581	516	1130	1163	1722	1851	1026	1609	2300	2825	1713	1042
58	1986 Federal Report Surplus Deficit	344	191	549	805	1758	1422	2618	4149	4762	3431	3082	2654	3398	2275
59	1987 Federal Report Surplus Deficit	1668	853	363	-135	973	1295	1150	387	1601	-271	298	3134	1879	224
60	1988 Federal Report Surplus Deficit	489	224	166	-52.6	220	-352	-835	-202	39.3	-987	-308	137	1833	2262
61	1989 Federal Report Surplus Deficit	1245	882	516	5.95	467	675	59.9	-1139	1979	1163	3649	2762	1943	1590
62	1990 Federal Report Surplus Deficit	569	741	478	151	875	1821	2244	3505	2709	1352	3119	2919	3411	3393
63	1991 Federal Report Surplus Deficit	2992	3013	507	-35.5	2806	2489	3507	3583	2837	1809	1374	2979	3357	4335
64	1992 Federal Report Surplus Deficit	3831	3479	634	-26.4	483	-338	605	651	755	-1144	-749	2492	1403	118
65	1993 Federal Report Surplus Deficit	732	464	7.99	-38.4	519	78.5	-304	-1377	1090	-308	-1311	3429	2790	2575
66	1994 Federal Report Surplus Deficit	1108	1456	538	193	694	131	-314	436	8.37	-994	477	1749	1643	1941
67	1995 Federal Report Surplus Deficit	1017	465	317	2.36	154	105	1224	2413	3001	259	-1177	2838	3607	3472
68	1996 Federal Report Surplus Deficit	2063	1537	1199	1318	3412	4090	4280	4725	4867	3537	4142	3775	3708	4311
69	1997 Federal Report Surplus Deficit	3673	3739	1143	298	1005	2260	4312	4482	4961	3911	4315	4646	4425	4415
70	1998 Federal Report Surplus Deficit	3590	3931	2181	3166	2236	1182	1761	3407	1865	-385	-467	3983	4061	3665
71	1999 Federal Report Surplus Deficit	3305	3153	501	138	215	2048	3735	4307	4723	1754	2695	3216	4030	4562
72	2000 Federal Report Surplus Deficit	4174	4043	1231	319	3059	2794	2449	2919	2862	2982	3614	3073	1506	3213
73	2001 Federal Report Surplus Deficit	2718	695	388	139	375	-164	281	51.3	66.6	-1179	-1941	-236	965	757
74	2002 Federal Report Surplus Deficit	1338	502	-277	-329	326	526	-129	417	738	767	2815	2466	3720	4131
75	2003 Federal Report Surplus Deficit	1600	1618	580	249	641	-36.9	85.3	1107	2723	500	657	1255	3623	1814
76	2004 Federal Report Surplus Deficit	344	298	-169	-4.00	1020	1120	543	-98.8	874	297	404	1800	2477	1817
77	2005 Federal Report Surplus Deficit	250	1184	1383	680	825	1548	1865	2765	924	-1219	-945	1858	2293	2398
78	2006 Federal Report Surplus Deficit	1260	853	188	155	972	1101	2920	3820	2584	3828	3583	3957	3762	2927
79	2007 Federal Report Surplus Deficit	1085	488	-345	-33.6	946	1170	2481	2077	3830	1966	804	3220	2968	3134
80	2008 Federal Report Surplus Deficit	615	211	-560	140	882	331	736	942	1112	-87.7	-710	3298	4496	4037
	Ranked Averages														
81	**Bottom 10 pct**	**387**	**432**	**398**	**209**	**706**	**759**	**1307**	**1477**	**1816**	**825**	**741**	**2010**	**2625**	**2251**
82	**Middle 80 pct**	**2252**	**1891**	**782**	**439**	**974**	**1303**	**2041**	**2422**	**2283**	**1271**	**1453**	**2925**	**3281**	**3108**
83	**Top 10 pct**	**3963**	**3970**	**1833**	**496**	**1380**	**1418**	**2148**	**2658**	**2395**	**1156**	**879**	**2453**	**2868**	**2976**

Federal Report Surplus Deficit By Water Year

Operating Year 2024

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	1767	2334	563	118	369	-313	-97.8	147	-97.9	-1052	-1704	772	4065	346
2	1930 Federal Report Surplus Deficit	912	853	519	171	510	-246	-1119	242	-166	-497	-1076	828	2142	1840
3	1931 Federal Report Surplus Deficit	1232	1025	310	141	416	-116	-1015	54.5	-77.9	-738	-1841	1090	2060	1754
4	1932 Federal Report Surplus Deficit	1656	937	387	-168	-12.0	-228	-147	-1644	2002	2001	3721	5349	4942	3573
5	1933 Federal Report Surplus Deficit	2051	2295	1033	147	163	1159	2323	3162	2172	1055	526	4202	5837	4945
6	1934 Federal Report Surplus Deficit	3317	3687	1178	863	2462	2937	3711	4764	3963	3986	3554	4530	4239	837
7	1935 Federal Report Surplus Deficit	567	1026	-37.9	8.54	-203	260	2250	2912	2194	-196	1043	3791	3113	3631
8	1936 Federal Report Surplus Deficit	3184	1370	359	8.18	334	-311	-947	-384	190	-583	2544	5430	4693	2617
9	1937 Federal Report Surplus Deficit	733	748	-9.19	189	612	-139	-1207	-528	-411	-922	-1658	821	3411	1321
10	1938 Federal Report Surplus Deficit	1095	655	587	99.3	225	588	1771	2623	2899	2481	3960	4988	4192	3893
11	1939 Federal Report Surplus Deficit	842	693	789	105	163	-318	1124	1371	988	216	1735	3589	2791	2076
12	1940 Federal Report Surplus Deficit	455	620	147	192	604	699	1211	858	2554	1384	746	3903	2797	331
13	1941 Federal Report Surplus Deficit	262	198	265	-63.2	552	464	569	304	748	-782	-1828	801	2575	1515
14	1942 Federal Report Surplus Deficit	1353	1003	717	-141	853	1607	1851	2163	-24.6	-804	139	2202	4888	4223
15	1943 Federal Report Surplus Deficit	2369	2462	1239	194	-35.4	234	2546	3184	2983	4759	4425	4297	5693	5003
16	1944 Federal Report Surplus Deficit	2515	2097	591	36.7	365	-296	425	199	-493	-1115	-2107	748	2061	432
17	1945 Federal Report Surplus Deficit	1137	426	203	-93.5	333	-183	-524	-249	-231	-962	-1879	3354	4866	798
18	1946 Federal Report Surplus Deficit	1109	899	378	-2.06	452	658	1696	2218	2275	3402	4185	5056	4273	4308
19	1947 Federal Report Surplus Deficit	2885	2648	979	-29.0	935	2341	3105	3893	3233	2218	1582	5014	4617	3985
20	1948 Federal Report Surplus Deficit	1968	1758	871	2723	2037	1519	2979	3677	2194	1497	3092	5923	5935	4424
21	1949 Federal Report Surplus Deficit	3343	3760	1411	455	672	560	1513	2079	3378	2271	3399	5329	4160	948
22	1950 Federal Report Surplus Deficit	147	94.9	114	13.8	253	707	2894	4085	3724	3477	2598	4585	5668	5242
23	1951 Federal Report Surplus Deficit	3334	3628	1329	1168	2255	2440	3667	5107	4238	3906	3098	5049	4498	4786
24	1952 Federal Report Surplus Deficit	3092	1941	963	2204	1502	1561	2864	3901	2197	3670	4639	5752	4790	3919
25	1953 Federal Report Surplus Deficit	2203	1422	-20.1	133	318	-261	606	4592	1470	-1111	-391	4233	5949	4903
26	1954 Federal Report Surplus Deficit	2468	2442	983	385	933	1081	2599	4290	2906	1529	1530	5005	5089	5142
27	1955 Federal Report Surplus Deficit	3484	4256	2874	528	1606	1040	874	1290	-484	-769	-834	3456	5713	5200
28	1956 Federal Report Surplus Deficit	3256	3121	894	667	1949	2376	3471	4855	4344	3362	4684	5803	5557	4584
29	1957 Federal Report Surplus Deficit	3102	3403	1050	646	625	1223	1723	1285	2691	3151	1884	5946	5648	3003
30	1958 Federal Report Surplus Deficit	2440	1132	401	70.5	439	501	2320	3067	1955	619	2427	5467	5275	2622
31	1959 Federal Report Surplus Deficit	2162	1247	520	396	1494	2079	3394	4560	2611	2646	1901	4437	5175	4877
32	1960 Federal Report Surplus Deficit	3327	3875	3512	3535	2489	1907	2473	2904	2293	3970	2962	3784	4872	3599
33	1961 Federal Report Surplus Deficit	2852	1210	650	334	867	730	2141	3452	3398	2449	1157	4732	5345	2854
34	1962 Federal Report Surplus Deficit	2101	1588	372	-5.67	468	696	2217	3105	606	878	3861	4563	4377	2782
35	1963 Federal Report Surplus Deficit	2520	2162	524	922	1614	1888	2490	3185	753	-81.7	-652	3712	5049	3447
36	1964 Federal Report Surplus Deficit	2175	1595	1171	-15.2	503	698	1401	1826	75.6	768	248	4609	6123	5088
37	1965 Federal Report Surplus Deficit	3235	3607	1829	1214	1356	2456	3879	5175	4159	771	4363	5170	5019	3984
38	1966 Federal Report Surplus Deficit	3220	3491	569	497	707	858	2008	2589	761	1398	1148	3360	4317	3442
39	1967 Federal Report Surplus Deficit	2420	1210	598	-86.1	286	1237	3033	4154	2964	1357	-456	4269	5638	4687
40	1968 Federal Report Surplus Deficit	2899	3016	1136	346	1092	845	2343	3620	3170	-872	-870	3249	4812	3776
41	1969 Federal Report Surplus Deficit	3028	3422	2187	1269	2049	1559	3427	4595	3234	3416	3975	5595	4888	4010
42	1970 Federal Report Surplus Deficit	2013	1011	707	517	765	317	2216	3342	1307	-541	-720	4115	5538	2748
43	1971 Federal Report Surplus Deficit	1429	1122	188	34.2	468	800	3572	4951	4283	3292	3039	5791	5943	4949
44	1972 Federal Report Surplus Deficit	3333	3997	1351	689	824	1153	3331	4924	5116	4417	2479	5513	5902	4968
45	1973 Federal Report Surplus Deficit	3387	4142	1475	586	924	839	1990	2623	542	-1123	-2097	777	2664	1071
46	1974 Federal Report Surplus Deficit	1316	262	195	-16.8	240	1658	4024	4991	4806	4159	3984	5233	6043	5272
47	1975 Federal Report Surplus Deficit	3392	4137	1420	-73.8	333	392	2103	2862	2986	-62.5	157	4678	5818	5158
48	1976 Federal Report Surplus Deficit	2870	3181	1603	1461	2230	2814	3383	4635	3578	3823	2879	5700	4973	4958
49	1977 Federal Report Surplus Deficit	3510	4400	4336	720	432	-182	684	424	-505	-1131	-2044	740	2071	327
50	1978 Federal Report Surplus Deficit	1137	493	-427	-278	286	819	1891	2274	1822	3413	1430	4500	3780	3981
51	1979 Federal Report Surplus Deficit	2452	2068	2095	754	820	4.96	1326	835	1980	-306	715	4624	2969	540
52	1980 Federal Report Surplus Deficit	489	302	543	126	330	-363	1386	235	144	1095	2259	5397	5054	2891
53	1981 Federal Report Surplus Deficit	829	630	694	22.3	856	1845	2979	4059	1004	-1068	-528	4550	5532	4685
54	1982 Federal Report Surplus Deficit	3385	3836	1146	261	1143	830	2663	5122	4971	3309	1758	5215	5685	5258

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
55	1983 Federal Report Surplus Deficit	3369	4117	2259	1334	1192	1253	2923	4423	4262	2334	1352	4645	4919	4931
56	1984 Federal Report Surplus Deficit	3218	3823	1585	491	2411	1517	2781	3804	3734	1864	3488	4675	5764	4804
57	1985 Federal Report Surplus Deficit	3000	2287	1549	512	1108	869	1604	1887	895	1611	2333	4153	2848	1095
58	1986 Federal Report Surplus Deficit	243	71.2	512	795	1629	1026	2349	4335	4638	3477	3161	3979	4714	2322
59	1987 Federal Report Surplus Deficit	1673	814	321	-105	967	942	1155	490	1451	-237	279	4519	3067	309
60	1988 Federal Report Surplus Deficit	430	115	121	-47.3	194	-433	-791	-84.8	-118	-965	-324	1087	2932	2328
61	1989 Federal Report Surplus Deficit	1253	850	466	17.2	447	516	176	-969	1812	1108	3746	4093	3079	1629
62	1990 Federal Report Surplus Deficit	529	693	438	155	879	1231	2026	3685	2497	1351	3181	4233	4817	3590
63	1991 Federal Report Surplus Deficit	2807	2907	462	-13.2	2323	1690	3028	3775	2571	1851	1380	4272	4771	4828
64	1992 Federal Report Surplus Deficit	3359	3298	587	-8.65	468	-419	776	602	621	-1121	-754	3769	2505	204
65	1993 Federal Report Surplus Deficit	706	406	-37.1	-34.9	511	13.5	-199	-1189	959	-271	-1302	4867	4138	2659
66	1994 Federal Report Surplus Deficit	1119	1448	501	200	696	52.1	-210	538	-152	-995	450	2901	2772	2001
67	1995 Federal Report Surplus Deficit	1009	400	268	3.82	98.3	38.4	1228	2447	2744	295	-1173	4178	5053	3701
68	1996 Federal Report Surplus Deficit	2040	1530	1158	1310	2531	2987	3905	5222	4929	3584	4253	5155	5227	4782
69	1997 Federal Report Surplus Deficit	3261	3508	1102	300	1002	1589	3914	5047	5004	3892	4443	5880	5718	4940
70	1998 Federal Report Surplus Deficit	3173	4041	2168	2966	1988	883	1656	3559	1686	-356	-472	5390	5493	3923
71	1999 Federal Report Surplus Deficit	3029	3030	455	152	151	1440	3287	4621	4493	1746	2743	4588	5499	5055
72	2000 Federal Report Surplus Deficit	3595	4351	1189	320	2458	1910	2200	3000	2639	3020	3676	4420	2587	3400
73	2001 Federal Report Surplus Deficit	2580	647	342	148	347	-224	498	-3.22	-92.1	-1156	-1963	740	2063	817
74	2002 Federal Report Surplus Deficit	1347	427	-307	-305	291	409	-17.6	520	604	822	2879	3739	5215	4535
75	2003 Federal Report Surplus Deficit	1607	1612	533	246	640	-96.9	202	1168	2463	537	641	2353	4972	1860
76	2004 Federal Report Surplus Deficit	242	194	-204	-2.23	987	832	648	15.2	743	333	378	2961	3809	1876
77	2005 Federal Report Surplus Deficit	160	1173	1358	670	812	1092	1683	2846	791	-1196	-948	3058	3572	2467
78	2006 Federal Report Surplus Deficit	1265	812	151	163	967	830	2620	3922	2372	3868	3711	5405	5177	3104
79	2007 Federal Report Surplus Deficit	1034	359	-370	-17.2	916	868	2217	2103	3589	1975	797	4605	4378	3306
80	2008 Federal Report Surplus Deficit	566	91.2	-577	137	879	243	825	1033	979	-47.3	-713	4725	5902	4382

Ranked Averages

81	**Bottom 10 pct**	**303**	**346**	**357**	**210**	**670**	**503**	**1244**	**1574**	**1653**	**853**	**755**	**3221**	**3890**	**2372**
82	**Middle 80 pct**	**2101**	**1822**	**740**	**438**	**894**	**919**	**1871**	**2622**	**2144**	**1367**	**1580**	**4259**	**4641**	**3373**
83	**Top 10 pct**	**3435**	**4067**	**1911**	**458**	**1070**	**708**	**1777**	**2543**	**1879**	**557**	**152**	**3463**	**3995**	**3194**

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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	1712	2229	480	126	368	-315	-110	-52.3	-112	-1098	-1745	-270	3030	310
2	1930 Federal Report Surplus Deficit	918	766	442	179	507	-248	-1084	45.3	-179	-540	-1115	-223	1091	1792
3	1931 Federal Report Surplus Deficit	1193	922	235	148	413	-121	-986	-143	-84.4	-779	-1881	83.0	1045	1708
4	1932 Federal Report Surplus Deficit	1598	839	312	-160	-11.8	-231	-152	-1787	1947	1885	3614	4426	3871	3479
5	1933 Federal Report Surplus Deficit	2021	2183	967	155	164	1145	2278	2948	2136	979	504	3299	4838	4899
6	1934 Federal Report Surplus Deficit	4090	3825	1109	868	2439	2912	3666	4564	3892	3848	3410	3600	3145	780
7	1935 Federal Report Surplus Deficit	621	911	-111	16.1	-195	253	2203	2697	2134	-232	1002	2884	2090	3542
8	1936 Federal Report Surplus Deficit	3687	1244	283	16.0	333	-313	-909	-572	170	-678	2499	4520	3582	2553
9	1937 Federal Report Surplus Deficit	777	675	-77.0	196	609	-144	-1170	-712	-416	-968	-1699	-221	2386	1241
10	1938 Federal Report Surplus Deficit	1059	582	511	107	225	578	1722	2407	2815	2441	3876	4088	3155	3771
11	1939 Federal Report Surplus Deficit	871	633	716	113	164	-319	1080	1157	959	154	1695	2677	1728	2005
12	1940 Federal Report Surplus Deficit	559	559	74.3	199	601	687	1163	649	2501	1310	706	2997	1740	294
13	1941 Federal Report Surplus Deficit	432	195	190	-55.5	548	455	537	101	720	-832	-1868	-210	1546	1472
14	1942 Federal Report Surplus Deficit	1296	894	646	-133	849	1590	1803	1946	-31.5	-829	99.0	1240	3795	4117
15	1943 Federal Report Surplus Deficit	2456	2385	1185	201	-31.4	227	2503	2969	2879	4724	4331	3395	4609	4893
16	1944 Federal Report Surplus Deficit	2632	1976	510	44.6	364	-298	393	-1.14	-498	-1162	-2097	-294	1012	394
17	1945 Federal Report Surplus Deficit	1096	382	129	-85.7	331	-187	-510	-434	-232	-1008	-1891	2433	3744	749
18	1946 Federal Report Surplus Deficit	1091	813	301	5.80	450	647	1647	2001	2204	3352	4093	4158	3193	4238
19	1947 Federal Report Surplus Deficit	3284	2734	907	-21.1	931	2320	3070	3685	3168	2166	1540	4095	3505	3888
20	1948 Federal Report Surplus Deficit	1946	1622	793	2719	2029	1502	2942	3467	2137	1383	3047	4996	4874	4282
21	1949 Federal Report Surplus Deficit	4143	3937	1358	462	669	550	1464	1862	3311	2204	3353	4445	3093	887
22	1950 Federal Report Surplus Deficit	317	133	39.3	21.7	253	695	2856	3878	3658	3427	2553	3642	4628	5172
23	1951 Federal Report Surplus Deficit	4097	3739	1265	1173	2244	2418	3626	4907	4196	3856	2981	4144	3402	4661
24	1952 Federal Report Surplus Deficit	3499	1808	884	2202	1497	1544	2827	3690	2125	3620	4574	4860	3725	3858
25	1953 Federal Report Surplus Deficit	2241	1292	-87.0	140	317	-264	576	4388	1427	-1158	-407	3329	4904	4813
26	1954 Federal Report Surplus Deficit	2587	2363	913	393	929	1067	2556	4083	2828	1446	1488	4093	4026	5058
27	1955 Federal Report Surplus Deficit	4373	4775	2759	535	1601	1026	835	1076	-489	-821	-873	2540	4673	5139
28	1956 Federal Report Surplus Deficit	3974	3121	818	674	1942	2354	3435	4654	4289	3313	4604	4910	4578	4546
29	1957 Federal Report Surplus Deficit	3635	3466	979	652	622	1208	1675	1071	2620	3063	1842	5124	4627	2926
30	1958 Federal Report Surplus Deficit	2506	1021	326	78.3	437	492	2274	2852	1914	575	2384	4566	4168	2521
31	1959 Federal Report Surplus Deficit	2163	1124	444	403	1489	2059	3358	4359	2537	2554	1858	3512	4167	4831
32	1960 Federal Report Surplus Deficit	3982	4058	3318	3532	2463	1887	2433	2689	2237	3920	2877	2875	3776	3468
33	1961 Federal Report Surplus Deficit	3118	1092	569	341	863	719	2095	3239	3355	2360	1116	3822	4265	2780
34	1962 Federal Report Surplus Deficit	2106	1453	295	2.19	466	685	2170	2891	577	799	3779	3660	3337	2712
35	1963 Federal Report Surplus Deficit	2663	2043	446	927	1608	1868	2449	2971	727	-137	-691	2802	3923	3362
36	1964 Federal Report Surplus Deficit	2199	1460	1109	-7.40	500	687	1354	1610	59.4	726	207	3706	5105	5033
37	1965 Federal Report Surplus Deficit	3915	3738	1793	1217	1351	2434	3830	4976	4110	665	4266	4285	3977	3913
38	1966 Federal Report Surplus Deficit	3853	3561	482	504	703	844	1960	2373	727	1311	1107	2441	3157	3344
39	1967 Federal Report Surplus Deficit	2487	1092	518	-78.3	286	1222	2997	3949	2883	1293	-434	3306	4494	4573
40	1968 Federal Report Surplus Deficit	3212	3004	1075	353	1087	832	2297	3408	3102	-901	-909	2327	3782	3712
41	1969 Federal Report Surplus Deficit	3438	3504	2127	1272	2041	1542	3391	4394	3186	3365	3845	4692	3869	3903
42	1970 Federal Report Surplus Deficit	1988	908	627	524	762	310	2168	3129	1276	-583	-759	3212	4530	2701
43	1971 Federal Report Surplus Deficit	1372	1009	110	42.0	466	788	3535	4752	4185	3242	2937	4922	4925	4861
44	1972 Federal Report Surplus Deficit	4095	4280	1288	695	820	1139	3296	4723	5054	4307	2349	4582	4830	4899
45	1973 Federal Report Surplus Deficit	4195	4508	1425	592	920	827	1942	2407	511	-1170	-2088	-265	1598	1011
46	1974 Federal Report Surplus Deficit	1267	243	118	-9.10	240	1640	3962	4790	4777	4111	3887	4344	5032	5236
47	1975 Federal Report Surplus Deficit	4241	4504	1365	-66.0	332	385	2054	2646	2922	-122	117	3785	4786	5096
48	1976 Federal Report Surplus Deficit	3193	3195	1555	1463	2220	2790	3347	4434	3536	3773	2834	4821	3913	4888
49	1977 Federal Report Surplus Deficit	4396	4940	4034	726	430	-187	644	219	-510	-1177	-2034	-284	1021	290
50	1978 Federal Report Surplus Deficit	1097	436	-487	-269	285	807	1842	2057	1792	3363	1388	3611	2749	3886
51	1979 Federal Report Surplus Deficit	2617	2053	2035	760	816	0.57	1279	627	1952	-366	684	3721	1948	487
52	1980 Federal Report Surplus Deficit	584	296	466	134	328	-363	1340	34.1	133	1061	2216	4471	3976	2836
53	1981 Federal Report Surplus Deficit	849	572	615	30.0	852	1826	2943	3852	963	-1114	-559	3648	4432	4588
54	1982 Federal Report Surplus Deficit	4129	4010	1083	268	1139	818	2621	4922	4930	3251	1716	4293	4672	5215

Federal Report Surplus Deficit By Water Year

Operating Year 2025

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	4054	4395	2203	1337	1188	1238	2884	4217	4204	2257	1311	3741	3861	4849
56	1984 Federal Report Surplus Deficit	3877	4014	1536	498	2398	1500	2740	3593	3640	1743	3441	3772	4722	4730
57	1985 Federal Report Surplus Deficit	3431	2183	1500	519	1103	857	1555	1670	861	1541	2289	3249	1828	1045
58	1986 Federal Report Surplus Deficit	413	110	425	801	1623	1012	2302	4128	4600	3426	3115	3075	3705	2266
59	1987 Federal Report Surplus Deficit	1614	735	241	-96.8	963	928	1111	285	1391	-287	219	3551	1985	273
60	1988 Federal Report Surplus Deficit	536	140	44.8	-39.6	192	-429	-764	-279	-128	-1011	-358	57.8	1905	2284
61	1989 Federal Report Surplus Deficit	1207	760	391	25.0	445	506	158	-1138	1776	1024	3660	3189	2057	1577
62	1990 Federal Report Surplus Deficit	596	628	354	163	875	1215	1978	3476	2446	1245	3058	3299	3696	3433
63	1991 Federal Report Surplus Deficit	3028	2885	383	-5.38	2310	1672	2992	3566	2487	1739	1339	3359	3650	4713
64	1992 Federal Report Surplus Deficit	4064	3326	509	-0.80	466	-419	736	395	595	-1167	-794	2861	1487	168
65	1993 Federal Report Surplus Deficit	744	356	-110	-27.2	508	8.69	-203	-1350	933	-317	-1342	3962	3102	2576
66	1994 Federal Report Surplus Deficit	1075	1319	414	208	692	45.9	-214	332	-170	-1036	412	1966	1744	1945
67	1995 Federal Report Surplus Deficit	1005	361	193	11.4	99.0	33.4	1184	2230	2679	258	-1213	3275	3902	3612
68	1996 Federal Report Surplus Deficit	2012	1397	1092	1313	2500	2961	3853	5022	4898	3534	4172	4306	4092	4716
69	1997 Federal Report Surplus Deficit	3861	3564	1032	308	997	1571	3865	4844	4963	3727	4294	4956	4729	4833
70	1998 Federal Report Surplus Deficit	3784	4347	2111	2962	1981	871	1608	3348	1638	-409	-511	4489	4356	3824
71	1999 Federal Report Surplus Deficit	3400	2985	378	160	153	1424	3252	4419	4404	1661	2699	3644	4416	4989
72	2000 Federal Report Surplus Deficit	4485	4834	1127	327	2439	1891	2153	2785	2579	2973	3590	3501	1563	3310
73	2001 Federal Report Surplus Deficit	2725	583	265	156	346	-227	463	-200	-95.8	-1203	-1954	-302	1013	769
74	2002 Federal Report Surplus Deficit	1297	402	-366	-295	290	400	-28.0	314	575	708	2834	2831	4072	4415
75	2003 Federal Report Surplus Deficit	1547	1477	455	253	636	-100	183	955	2399	491	600	1397	3903	1796
76	2004 Federal Report Surplus Deficit	412	211	-267	5.41	983	819	614	-182	715	300	332	2029	2775	1822
77	2005 Federal Report Surplus Deficit	330	1049	1304	676	808	1078	1634	2631	767	-1242	-988	2136	2542	2424
78	2006 Federal Report Surplus Deficit	1226	736	75.0	171	962	817	2578	3713	2334	3818	3560	4473	4129	3020
79	2007 Federal Report Surplus Deficit	1063	390	-422	-9.38	911	856	2170	1886	3510	1916	757	3642	3246	3221
80	2008 Federal Report Surplus Deficit	651	130	-623	145	875	236	788	822	959	-92.6	-752	3821	4861	4282

Ranked Averages

81	**Bottom 10 pct**	**448**	**337**	**285**	**218**	**667**	**494**	**1210**	**1370**	**1621**	**805**	**714**	**2275**	**2852**	**2321**
82	**Middle 80 pct**	**2292**	**1789**	**669**	**440**	**870**	**873**	**1814**	**2384**	**2055**	**1224**	**1432**	**3305**	**3559**	**3286**
83	**Top 10 pct**	**4257**	**4406**	**1802**	**502**	**1222**	**966**	**1917**	**2603**	**2181**	**1124**	**845**	**2770**	**3101**	**3201**

Federal Report Surplus Deficit By Water Year

Operating Year 2026

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	1648	2165	497	125	323	-214	110	143	92.1	-879	-1526	772	4167	540
2	1930 Federal Report Surplus Deficit	837	709	460	178	462	-147	-864	241	24.9	-312	-897	809	2262	2032
3	1931 Federal Report Surplus Deficit	1118	864	253	147	368	-20.2	-767	52.2	112	-557	-1662	1088	2169	1945
4	1932 Federal Report Surplus Deficit	1532	781	329	-161	-57.0	-131	67.0	-1591	2183	2184	3893	5479	5034	3761
5	1933 Federal Report Surplus Deficit	1960	2119	981	154	119	1245	2497	3144	2353	1246	704	4341	5942	5132
6	1934 Federal Report Surplus Deficit	4027	3767	1122	867	2394	3013	3886	4760	4149	4159	3726	4667	4335	1029
7	1935 Federal Report Surplus Deficit	534	852	-91.8	15.1	-240	354	2423	2892	2375	-6.09	1220	3925	3226	3818
8	1936 Federal Report Surplus Deficit	3631	1183	302	15.0	288	-212	-690	-376	377	-399	2718	5560	4786	2806
9	1937 Federal Report Surplus Deficit	691	619	-56.8	195	563	-43.2	-950	-517	-217	-749	-1480	820	3523	1512
10	1938 Federal Report Surplus Deficit	984	526	528	106	180	679	1941	2603	3080	2660	4132	5123	4292	4080
11	1939 Federal Report Surplus Deficit	786	578	732	112	118	-218	1299	1352	1172	407	1912	3717	2908	2267
12	1940 Federal Report Surplus Deficit	468	505	93.6	198	555	788	1383	844	2735	1573	924	4038	2913	525
13	1941 Federal Report Surplus Deficit	331	145	208	-56.5	503	556	757	296	932	-599	-1649	792	2692	1707
14	1942 Federal Report Surplus Deficit	1226	836	661	-134	803	1690	2022	2142	165	-628	317	2282	4980	4410
15	1943 Federal Report Surplus Deficit	2400	2322	1196	200	-76.6	328	2722	3165	3164	4943	4596	4436	5793	5191
16	1944 Federal Report Surplus Deficit	2577	1912	527	43.6	319	-198	612	194	-299	-943	-1879	748	2148	625
17	1945 Federal Report Surplus Deficit	1022	329	147	-86.7	286	-86.5	-291	-238	-39.2	-789	-1673	3474	4958	991
18	1946 Federal Report Surplus Deficit	1013	756	319	4.81	405	748	1867	2196	2456	3571	4356	5189	4371	4495
19	1947 Federal Report Surplus Deficit	3230	2671	921	-22.1	886	2421	3289	3881	3415	2399	1758	5149	4710	4172
20	1948 Federal Report Surplus Deficit	1886	1559	808	2718	1984	1602	3161	3663	2375	1685	3265	6063	6050	4611
21	1949 Federal Report Surplus Deficit	4079	3879	1369	461	624	651	1684	2058	3560	2452	3571	5460	4260	1140
22	1950 Federal Report Surplus Deficit	215	83.7	59.0	20.7	208	796	3075	4074	3907	3646	2772	4724	5766	5434
23	1951 Federal Report Surplus Deficit	4034	3680	1277	1172	2199	2519	3846	5103	4424	4075	3271	5183	4594	4973
24	1952 Federal Report Surplus Deficit	3444	1745	898	2201	1451	1645	3046	3886	2377	3839	4810	5885	4883	4106
25	1953 Federal Report Surplus Deficit	2184	1230	-66.7	139	272	-163	795	4584	1652	-939	-212	4371	6062	5091
26	1954 Federal Report Surplus Deficit	2532	2299	928	392	883	1168	2776	4279	3087	1718	1707	5140	5181	5333
27	1955 Federal Report Surplus Deficit	4300	4708	2763	534	1556	1126	1054	1272	-290	-588	-655	3581	5814	5391
28	1956 Federal Report Surplus Deficit	3913	3059	834	673	1897	2455	3654	4849	4529	3532	4856	5937	5653	4771
29	1957 Federal Report Surplus Deficit	3578	3406	993	651	576	1309	1894	1267	2872	3322	2060	6096	5751	3192
30	1958 Federal Report Surplus Deficit	2450	962	344	77.4	392	593	2493	3047	2136	811	2602	5597	5367	2812
31	1959 Federal Report Surplus Deficit	2105	1064	461	402	1444	2160	3578	4554	2792	2821	2077	4575	5268	5064
32	1960 Federal Report Surplus Deficit	3923	4001	3327	3531	2418	1988	2652	2884	2473	4139	3135	3916	4964	3787
33	1961 Federal Report Surplus Deficit	3064	1032	586	340	818	819	2314	3434	3580	2626	1334	4869	5439	3043
34	1962 Federal Report Surplus Deficit	2048	1390	313	1.21	421	786	2389	3086	791	1071	4033	4702	4474	2971
35	1963 Federal Report Surplus Deficit	2608	1979	463	926	1563	1969	2669	3166	937	107	-473	3843	5140	3635
36	1964 Federal Report Surplus Deficit	2142	1398	1121	-8.38	455	787	1573	1805	265	960	427	4748	6249	5278
37	1965 Federal Report Surplus Deficit	3856	3679	1800	1216	1306	2535	4049	5171	4344	963	4534	5301	5111	4171
38	1966 Federal Report Surplus Deficit	3794	3502	498	503	658	945	2179	2568	945	1587	1325	3482	4414	3630
39	1967 Federal Report Surplus Deficit	2431	1033	535	-79.3	241	1323	3216	4145	3146	1547	-277	4407	5739	4874
40	1968 Federal Report Surplus Deficit	3157	2942	1088	352	1042	933	2517	3604	3352	-691	-691	3368	4903	3964
41	1969 Federal Report Surplus Deficit	3383	3444	2132	1271	1996	1642	3610	4590	3416	3584	4146	5725	4981	4197
42	1970 Federal Report Surplus Deficit	1928	850	644	523	716	411	2388	3325	1489	-359	-541	4253	5635	2938
43	1971 Federal Report Surplus Deficit	1301	950	130	41.0	421	889	3755	4947	4468	3461	3211	5926	6056	5136
44	1972 Federal Report Surplus Deficit	4033	4222	1300	694	775	1239	3516	4919	5303	4593	2654	5643	6017	5156
45	1973 Federal Report Surplus Deficit	4130	4449	1436	592	875	928	2161	2603	727	-951	-1869	776	2781	1263
46	1974 Federal Report Surplus Deficit	1194	192	136	-10.1	195	1741	4181	4985	4993	4330	4155	5365	6162	5465
47	1975 Federal Report Surplus Deficit	4174	4446	1376	-67.0	287	485	2274	2842	3167	128	335	4816	5927	5349
48	1976 Federal Report Surplus Deficit	3139	3133	1564	1462	2175	2891	3567	4630	3762	3992	3052	5832	5065	5146
49	1977 Federal Report Surplus Deficit	4324	4870	4053	725	385	-86.4	863	415	-311	-958	-1816	729	2157	521
50	1978 Federal Report Surplus Deficit	1022	383	-467	-270	240	908	2062	2252	2003	3582	1606	4638	3884	4168
51	1979 Federal Report Surplus Deficit	2561	1989	2040	759	770	101	1498	822	2161	-119	894	4763	3085	733
52	1980 Federal Report Surplus Deficit	493	247	483	133	283	-262	1559	230	332	1286	2434	5527	5146	3081
53	1981 Federal Report Surplus Deficit	766	517	630	29.0	807	1926	3163	4048	1187	-895	-349	4688	5631	4871
54	1982 Federal Report Surplus Deficit	4067	3952	1095	267	1094	919	2841	5118	5158	3478	1935	5346	5789	5451

Federal Report Surplus Deficit By Water Year

Operating Year 2026

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	3993	4338	2208	1336	1142	1339	3103	4413	4447	2514	1530	4782	5011	5119
56	1984 Federal Report Surplus Deficit	3817	3957	1546	497	2353	1601	2959	3788	3917	2050	3660	4813	5866	4991
57	1985 Federal Report Surplus Deficit	3376	2119	1510	518	1058	957	1774	1866	1079	1799	2508	4291	2965	1287
58	1986 Federal Report Surplus Deficit	311	60.0	442	800	1578	1113	2522	4323	4824	3645	3334	4116	4807	2512
59	1987 Federal Report Surplus Deficit	1547	679	259	-97.8	918	1029	1330	481	1632	-48.6	458	4657	3180	503
60	1988 Federal Report Surplus Deficit	445	91.9	63.6	-40.6	147	-328	-544	-84.0	72.6	-792	-145	1083	3048	2518
61	1989 Federal Report Surplus Deficit	1134	704	409	24.0	400	607	378	-942	1993	1300	3917	4230	3194	1820
62	1990 Federal Report Surplus Deficit	507	574	372	162	830	1316	2197	3671	2677	1541	3354	4372	4909	3778
63	1991 Federal Report Surplus Deficit	2974	2822	401	-6.37	2264	1773	3212	3761	2752	2035	1557	4411	4864	5015
64	1992 Federal Report Surplus Deficit	4003	3266	526	-1.78	421	-318	955	591	806	-948	-575	3902	2623	398
65	1993 Federal Report Surplus Deficit	658	302	-90.1	-28.2	463	109	16.4	-1155	1143	-84.9	-1124	5003	4239	2849
66	1994 Federal Report Surplus Deficit	1000	1258	433	207	647	147	5.76	528	38.6	-820	628	3008	2888	2192
67	1995 Federal Report Surplus Deficit	925	308	210	10.4	53.8	134	1403	2425	2925	487	-995	4316	5145	3889
68	1996 Federal Report Surplus Deficit	1952	1336	1105	1312	2455	3062	4073	5217	5116	3753	4424	5288	5320	4969
69	1997 Federal Report Surplus Deficit	3803	3504	1046	307	952	1672	4085	5040	5191	4061	4615	6024	5824	5129
70	1998 Federal Report Surplus Deficit	3726	4289	2116	2961	1936	971	1827	3543	1867	-170	-293	5520	5590	4110
71	1999 Federal Report Surplus Deficit	3345	2923	396	159	107	1524	3471	4615	4679	1931	2917	4727	5594	5245
72	2000 Federal Report Surplus Deficit	4413	4770	1140	326	2394	1992	2372	2980	2819	3192	3847	4559	2706	3588
73	2001 Federal Report Surplus Deficit	2670	528	284	155	301	-126	682	-4.64	97.7	-984	-1735	740	2150	1009
74	2002 Federal Report Surplus Deficit	1224	350	-345	-296	245	501	191	509	789	1014	3052	3872	5307	4721
75	2003 Federal Report Surplus Deficit	1479	1415	472	252	591	0.26	402	1151	2644	730	819	2438	5064	2051
76	2004 Federal Report Surplus Deficit	311	163	-246	4.42	938	920	834	14.0	927	525	556	3070	3911	2067
77	2005 Federal Report Surplus Deficit	232	989	1314	675	763	1179	1854	2826	975	-1023	-769	3177	3679	2657
78	2006 Federal Report Surplus Deficit	1151	680	94.8	170	917	918	2797	3908	2553	4037	3883	5535	5270	3292
79	2007 Federal Report Surplus Deficit	985	339	-401	-10.4	866	956	2390	2082	3772	2158	975	4744	4474	3495
80	2008 Federal Report Surplus Deficit	561	80.0	-602	144	830	337	1007	1017	1162	143	-534	4862	6012	4569

Ranked Averages

81	**Bottom 10 pct**	**351**	**286**	**302**	**217**	**622**	**595**	**1430**	**1565**	**1838**	**1033**	**932**	**3316**	**3995**	**2563**
82	**Middle 80 pct**	**2226**	**1730**	**685**	**439**	**825**	**974**	**2033**	**2579**	**2286**	**1470**	**1666**	**4348**	**4723**	**3553**
83	**Top 10 pct**	**4190**	**4344**	**1814**	**501**	**1177**	**1067**	**2137**	**2799**	**2407**	**1354**	**1077**	**3806**	**4253**	**3460**

Federal Report Surplus Deficit By Water Year

Operating Year 2027

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	1853	2363	722	282	490	-80.9	-23.6	91.4	91.5	-926	-1565	-152	3244	479
2	1930 Federal Report Surplus Deficit	1042	907	685	334	630	-13.5	-998	189	24.3	-368	-935	-105	1304	1962
3	1931 Federal Report Surplus Deficit	1323	1062	478	304	535	113	-900	0.40	119	-607	-1701	200	1259	1878
4	1932 Federal Report Surplus Deficit	1737	979	554	-4.35	111	2.67	-66.2	-1643	2151	2057	3794	4543	4085	3649
5	1933 Federal Report Surplus Deficit	2165	2317	1206	310	287	1379	2364	3092	2340	1151	684	3416	5052	5069
6	1934 Federal Report Surplus Deficit	4232	3964	1348	1024	2561	3146	3752	4708	4095	4020	3590	3717	3359	950
7	1935 Federal Report Surplus Deficit	739	1050	133	172	-72.6	487	2290	2840	2337	-60.0	1182	3001	2303	3712
8	1936 Federal Report Surplus Deficit	3836	1381	527	171	455	-78.9	-823	-428	374	-505	2679	4637	3796	2723
9	1937 Federal Report Surplus Deficit	896	817	168	352	731	90.3	-1083	-569	-212	-796	-1519	-104	2600	1411
10	1938 Federal Report Surplus Deficit	1189	724	753	263	348	812	1808	2551	3018	2613	4056	4206	3369	3940
11	1939 Federal Report Surplus Deficit	991	776	957	268	286	-84.7	1166	1301	1162	326	1875	2794	1941	2175
12	1940 Federal Report Surplus Deficit	673	703	319	354	723	921	1249	792	2704	1483	886	3114	1953	464
13	1941 Federal Report Surplus Deficit	536	343	433	99.9	671	689	623	245	924	-660	-1688	-92.4	1760	1642
14	1942 Federal Report Surplus Deficit	1431	1033	887	22.5	971	1824	1889	2090	172	-657	279	1358	4008	4287
15	1943 Federal Report Surplus Deficit	2605	2519	1421	357	91.0	462	2589	3113	3082	4896	4511	3512	4823	5063
16	1944 Federal Report Surplus Deficit	2782	2110	752	200	487	-64.1	479	143	-294	-990	-1917	-176	1225	564
17	1945 Federal Report Surplus Deficit	1227	527	372	69.7	453	47.0	-424	-290	-28.1	-836	-1711	2550	3957	919
18	1946 Federal Report Surplus Deficit	1217	954	544	161	573	881	1734	2145	2407	3524	4273	4276	3407	4408
19	1947 Federal Report Surplus Deficit	3435	2869	1146	134	1054	2554	3156	3829	3372	2338	1720	4213	3719	4058
20	1948 Federal Report Surplus Deficit	2091	1757	1033	2874	2151	1736	3028	3611	2341	1556	3227	5114	5088	4452
21	1949 Federal Report Surplus Deficit	4284	4077	1594	617	791	785	1550	2006	3515	2376	3533	4562	3307	1057
22	1950 Federal Report Surplus Deficit	420	282	284	177	376	929	2942	4022	3861	3599	2733	3759	4842	5342
23	1951 Federal Report Surplus Deficit	4239	3878	1502	1328	2367	2652	3712	5051	4399	4028	3161	4261	3615	4831
24	1952 Federal Report Surplus Deficit	3649	1943	1123	2357	1619	1778	2913	3834	2328	3792	4754	4977	3938	4027
25	1953 Federal Report Surplus Deficit	2389	1428	158	296	439	-29.8	662	4532	1630	-985	-227	3447	5118	4983
26	1954 Federal Report Surplus Deficit	2737	2497	1153	548	1051	1301	2642	4227	3032	1619	1668	4210	4240	5228
27	1955 Federal Report Surplus Deficit	4505	4906	2988	690	1723	1260	921	1220	-285	-649	-693	2657	4887	5309
28	1956 Federal Report Surplus Deficit	4118	3257	1059	829	2065	2589	3521	4798	4493	3485	4784	5028	4792	4716
29	1957 Federal Report Surplus Deficit	3783	3604	1218	808	744	1443	1761	1215	2823	3236	2022	5241	4840	3096
30	1958 Federal Report Surplus Deficit	2655	1160	569	234	560	726	2360	2996	2118	747	2564	4683	4382	2691
31	1959 Federal Report Surplus Deficit	2310	1262	686	559	1612	2293	3444	4503	2741	2726	2038	3629	4381	5001
32	1960 Federal Report Surplus Deficit	4128	4198	3553	3688	2586	2121	2519	2833	2440	4092	3057	2992	3990	3637
33	1961 Federal Report Surplus Deficit	3269	1230	811	497	986	953	2181	3382	3558	2533	1296	3939	4479	2950
34	1962 Federal Report Surplus Deficit	2253	1588	538	158	589	919	2256	3034	780	971	3959	3778	3550	2882
35	1963 Federal Report Surplus Deficit	2813	2177	688	1082	1731	2103	2535	3114	931	35.1	-511	2919	4136	3532
36	1964 Federal Report Surplus Deficit	2347	1596	1346	148	623	921	1440	1753	263	898	387	3824	5319	5202
37	1965 Federal Report Surplus Deficit	4060	3877	2025	1373	1473	2668	3916	5119	4314	837	4446	4402	4191	4082
38	1966 Federal Report Surplus Deficit	3999	3699	723	659	825	1078	2046	2516	930	1483	1287	2558	3370	3513
39	1967 Federal Report Surplus Deficit	2636	1230	760	77.2	408	1456	3083	4093	3086	1465	-254	3423	4708	4743
40	1968 Federal Report Surplus Deficit	3362	3140	1313	509	1209	1066	2383	3552	3306	-729	-729	2444	3995	3882
41	1969 Federal Report Surplus Deficit	3588	3642	2357	1427	2163	1776	3477	4538	3389	3537	4025	4809	4082	4073
42	1970 Federal Report Surplus Deficit	2133	1048	869	679	884	544	2254	3273	1479	-411	-579	3329	4744	2871
43	1971 Federal Report Surplus Deficit	1506	1148	355	197	589	1023	3621	4895	4389	3414	3117	5039	5138	5031
44	1972 Federal Report Surplus Deficit	4238	4420	1525	851	943	1373	3382	4867	5257	4479	2529	4700	5044	5069
45	1973 Federal Report Surplus Deficit	4335	4647	1661	748	1042	1061	2028	2551	714	-998	-1908	-148	1812	1180
46	1974 Federal Report Surplus Deficit	1399	390	361	146	363	1874	4048	4933	4981	4283	4067	4461	5246	5406
47	1975 Federal Report Surplus Deficit	4379	4643	1601	89.5	455	619	2140	2790	3125	50.6	297	3902	4999	5266
48	1976 Federal Report Surplus Deficit	3344	3331	1789	1618	2342	3024	3433	4578	3740	3945	3014	4939	4127	5058
49	1977 Federal Report Surplus Deficit	4529	5068	4278	882	552	47.1	730	363	-306	-1005	-1854	-167	1234	460
50	1978 Federal Report Surplus Deficit	1227	580	-241	-113	408	1041	1929	2200	1996	3535	1568	3729	2963	4056
51	1979 Federal Report Surplus Deficit	2766	2187	2265	915	938	235	1365	771	2156	-194	864	3839	2162	657
52	1980 Federal Report Surplus Deficit	698	444	708	290	451	-128	1426	178	337	1233	2396	4589	4189	3006
53	1981 Federal Report Surplus Deficit	971	715	855	185	974	2060	3030	3996	1166	-942	-379	3765	4645	4758
54	1982 Federal Report Surplus Deficit	4272	4150	1321	424	1261	1052	2707	5066	5134	3423	1896	4411	4886	5385

Federal Report Surplus Deficit By Water Year

Operating Year 2027

2019 White Book Report Date: **2/6/2020** *Continued*

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	4198	4535	2433	1492	1310	1473	2970	4361	4408	2429	1491	3858	4075	5019
56	1984 Federal Report Surplus Deficit	4022	4155	1771	654	2520	1734	2826	3737	3844	1916	3621	3889	4936	4900
57	1985 Federal Report Surplus Deficit	3581	2317	1735	675	1225	1091	1641	1814	1065	1713	2469	3367	2042	1215
58	1986 Federal Report Surplus Deficit	516	258	667	956	1746	1246	2388	4272	4803	3599	3295	3192	3919	2435
59	1987 Federal Report Surplus Deficit	1752	877	485	58.6	1085	1162	1197	429	1595	-115	399	3668	2198	443
60	1988 Federal Report Surplus Deficit	650	290	289	116	315	-195	-677	-136	76.0	-839	-178	175	2119	2454
61	1989 Federal Report Surplus Deficit	1339	901	634	180	567	740	244	-994	1980	1196	3840	3306	2271	1747
62	1990 Federal Report Surplus Deficit	712	772	597	318	997	1449	2064	3619	2649	1417	3238	3417	3910	3603
63	1991 Federal Report Surplus Deficit	3179	3020	626	150	2432	1906	3079	3709	2691	1911	1519	3476	3864	4883
64	1992 Federal Report Surplus Deficit	4208	3463	751	155	589	-184	822	539	798	-995	-614	2978	1701	337
65	1993 Federal Report Surplus Deficit	863	500	135	128	631	243	-117	-1207	1136	-145	-1162	4079	3316	2746
66	1994 Federal Report Surplus Deficit	1205	1456	658	363	815	280	-128	476	34.0	-864	592	2084	1958	2115
67	1995 Federal Report Surplus Deficit	1130	506	436	167	221	268	1270	2373	2883	431	-1033	3392	4116	3782
68	1996 Federal Report Surplus Deficit	2157	1533	1330	1468	2622	3195	3940	5166	5101	3706	4352	4423	4306	4886
69	1997 Federal Report Surplus Deficit	4008	3702	1271	463	1120	1806	3952	4988	5167	3899	4474	5074	4942	5003
70	1998 Federal Report Surplus Deficit	3930	4487	2341	3117	2103	1105	1694	3491	1842	-237	-331	4606	4570	3994
71	1999 Federal Report Surplus Deficit	3550	3121	621	316	275	1658	3338	4563	4608	1834	2879	3762	4630	5158
72	2000 Federal Report Surplus Deficit	4618	4968	1365	483	2562	2125	2239	2928	2783	3145	3770	3618	1776	3480
73	2001 Federal Report Surplus Deficit	2875	726	509	311	468	7.13	549	-56.4	108	-1030	-1774	-184	1227	939
74	2002 Federal Report Surplus Deficit	1429	548	-120	-140	412	634	58.1	457	778	880	3014	2948	4286	4585
75	2003 Federal Report Surplus Deficit	1684	1612	697	409	759	134	269	1099	2602	663	780	1514	4117	1966
76	2004 Federal Report Surplus Deficit	516	361	-20.9	161	1105	1054	701	-37.8	918	472	512	2146	2989	1992
77	2005 Federal Report Surplus Deficit	437	1187	1539	831	931	1312	1721	2774	971	-1070	-808	2253	2756	2594
78	2006 Federal Report Surplus Deficit	1356	878	320	327	1085	1052	2664	3857	2538	3990	3740	4590	4342	3190
79	2007 Federal Report Surplus Deficit	1190	536	-176	146	1034	1090	2256	2030	3714	2088	937	3760	3460	3391
80	2008 Federal Report Surplus Deficit	766	278	-377	300	998	471	874	965	1162	79.5	-572	3938	5074	4452

Ranked Averages

81	**Bottom 10 pct**	**556**	**483**	**527**	**373**	**790**	**728**	**1297**	**1514**	**1824**	**977**	**894**	**2392**	**3066**	**2491**
82	**Middle 80 pct**	**2431**	**1928**	**910**	**595**	**993**	**1107**	**1900**	**2527**	**2259**	**1396**	**1612**	**3423**	**3773**	**3456**
83	**Top 10 pct**	**4395**	**4542**	**2039**	**658**	**1344**	**1200**	**2004**	**2747**	**2385**	**1296**	**1025**	**2887**	**3315**	**3371**

Federal Report Surplus Deficit By Water Year

Operating Year 2028

2019 White Book Report Date: **2/6/2020**

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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	1803	2317	676	233	580	-71.9	-25.3	235	105	-939	-1609	758	4115	415
2	1930 Federal Report Surplus Deficit	992	862	639	286	719	-4.49	-999	333	37.6	-373	-980	796	2211	1906
3	1931 Federal Report Surplus Deficit	1273	1016	432	256	625	122	-902	144	124	-618	-1746	1075	2118	1820
4	1932 Federal Report Surplus Deficit	1687	933	508	-52.7	200	11.7	-67.9	-1499	2195	2124	3810	5466	4983	3636
5	1933 Federal Report Surplus Deficit	2115	2272	1160	262	376	1388	2362	3236	2366	1185	621	4327	5891	5007
6	1934 Federal Report Surplus Deficit	4182	3919	1302	976	2651	3155	3751	4852	4161	4099	3642	4654	4284	904
7	1935 Federal Report Surplus Deficit	689	1004	87.4	123	16.8	496	2288	2984	2387	-66.6	1137	3912	3175	3693
8	1936 Federal Report Surplus Deficit	3786	1336	481	123	545	-69.9	-825	-284	390	-459	2634	5546	4735	2681
9	1937 Federal Report Surplus Deficit	846	772	122	303	821	99.3	-1085	-425	-205	-809	-1563	807	3471	1387
10	1938 Federal Report Surplus Deficit	1139	679	707	214	437	821	1806	2694	3093	2599	4048	5110	4240	3955
11	1939 Federal Report Surplus Deficit	941	731	911	220	375	-75.7	1164	1444	1185	347	1828	3704	2857	2141
12	1940 Federal Report Surplus Deficit	623	657	273	306	813	930	1248	936	2748	1512	841	4025	2861	400
13	1941 Federal Report Surplus Deficit	486	297	387	51.6	760	698	622	388	945	-660	-1733	779	2641	1582
14	1942 Federal Report Surplus Deficit	1381	988	841	-25.8	1061	1833	1887	2234	177	-688	234	2268	4929	4285
15	1943 Federal Report Surplus Deficit	2555	2474	1375	309	180	471	2587	3257	3177	4883	4513	4423	5742	5066
16	1944 Federal Report Surplus Deficit	2732	2064	706	152	576	-55.1	478	286	-287	-1003	-1962	734	2097	499
17	1945 Federal Report Surplus Deficit	1177	482	326	21.4	543	56.0	-426	-147	-26.5	-850	-1756	3461	4907	865
18	1946 Federal Report Surplus Deficit	1168	909	498	113	662	890	1732	2288	2468	3510	4273	5176	4320	4369
19	1947 Federal Report Surplus Deficit	3385	2823	1100	86.0	1143	2563	3154	3973	3428	2339	1675	5135	4659	4046
20	1948 Federal Report Surplus Deficit	2041	1711	987	2826	2241	1745	3026	3755	2388	1624	3182	6050	5999	4486
21	1949 Federal Report Surplus Deficit	4234	4031	1548	569	881	794	1549	2150	3573	2392	3488	5447	4209	1015
22	1950 Federal Report Surplus Deficit	370	236	238	129	465	938	2940	4166	3920	3585	2689	4710	5715	5309
23	1951 Federal Report Surplus Deficit	4189	3833	1456	1280	2456	2661	3711	5195	4437	4014	3187	5169	4542	4848
24	1952 Federal Report Surplus Deficit	3599	1897	1078	2309	1708	1787	2911	3978	2390	3778	4727	5872	4832	3981
25	1953 Federal Report Surplus Deficit	2339	1382	112	248	529	-20.8	660	4676	1664	-999	-295	4357	6011	4965
26	1954 Federal Report Surplus Deficit	2687	2451	1107	500	1140	1310	2641	4371	3100	1657	1623	5126	5130	5207
27	1955 Federal Report Surplus Deficit	4455	4860	2942	642	1813	1269	919	1364	-277	-648	-738	3568	5762	5266
28	1956 Federal Report Surplus Deficit	4068	3211	1013	781	2154	2598	3519	4941	4542	3471	4773	5924	5602	4646
29	1957 Federal Report Surplus Deficit	3733	3559	1172	759	833	1452	1759	1359	2885	3261	1977	6082	5700	3067
30	1958 Federal Report Surplus Deficit	2605	1114	523	185	649	735	2358	3139	2148	751	2519	5583	5316	2687
31	1959 Federal Report Surplus Deficit	2260	1216	640	510	1701	2302	3443	4646	2805	2760	1993	4561	5217	4939
32	1960 Federal Report Surplus Deficit	4078	4153	3507	3640	2675	2130	2517	2976	2486	4079	3051	3903	4912	3662
33	1961 Federal Report Surplus Deficit	3219	1184	765	448	1075	962	2179	3526	3593	2566	1251	4856	5388	2918
34	1962 Federal Report Surplus Deficit	2203	1543	492	109	678	928	2254	3178	804	1010	3949	4688	4423	2846
35	1963 Federal Report Surplus Deficit	2763	2131	642	1034	1820	2112	2534	3258	949	46.8	-556	3830	5089	3509
36	1964 Federal Report Surplus Deficit	2297	1550	1300	99.7	712	930	1438	1897	277	900	344	4734	6198	5153
37	1965 Federal Report Surplus Deficit	4011	3831	1979	1324	1563	2677	3914	5263	4357	903	4451	5288	5060	4046
38	1966 Federal Report Surplus Deficit	3949	3654	677	611	915	1087	2044	2660	958	1527	1242	3469	4363	3505
39	1967 Federal Report Surplus Deficit	2586	1185	714	28.8	498	1465	3081	4236	3158	1487	-361	4394	5688	4749
40	1968 Federal Report Surplus Deficit	3312	3094	1267	460	1299	1075	2382	3696	3365	-752	-774	3355	4852	3838
41	1969 Federal Report Surplus Deficit	3538	3596	2311	1379	2253	1785	3475	4681	3429	3524	4063	5711	4929	4071
42	1970 Federal Report Surplus Deficit	2083	1002	823	631	973	553	2253	3416	1501	-419	-624	4240	5584	2813
43	1971 Federal Report Surplus Deficit	1456	1102	309	149	678	1032	3620	5039	4481	3401	3128	5913	6005	5011
44	1972 Federal Report Surplus Deficit	4188	4374	1479	802	1032	1382	3381	5011	5315	4533	2570	5630	5966	5031
45	1973 Federal Report Surplus Deficit	4285	4602	1615	700	1132	1070	2026	2694	740	-1011	-1953	763	2730	1138
46	1974 Federal Report Surplus Deficit	1349	344	315	98.0	452	1883	4046	5077	5006	4269	4071	5352	6111	5340
47	1975 Federal Report Surplus Deficit	4329	4598	1555	41.1	544	628	2139	2934	3179	67.5	252	4802	5875	5223
48	1976 Federal Report Surplus Deficit	3294	3286	1743	1570	2432	3033	3432	4722	3774	3931	2969	5819	5014	5021
49	1977 Federal Report Surplus Deficit	4479	5022	4232	834	642	56.1	728	507	-298	-1019	-1899	716	2106	396
50	1978 Federal Report Surplus Deficit	1177	535	-287	-161	497	1050	1927	2344	2016	3521	1523	4624	3833	4043
51	1979 Federal Report Surplus Deficit	2716	2141	2219	867	1028	244	1363	914	2173	-180	810	4749	3033	607
52	1980 Federal Report Surplus Deficit	648	399	662	241	540	-119	1424	322	345	1225	2351	5514	5095	2955
53	1981 Federal Report Surplus Deficit	921	670	809	137	1064	2069	3028	4140	1200	-955	-433	4675	5580	4746
54	1982 Federal Report Surplus Deficit	4222	4104	1275	376	1351	1061	2706	5210	5170	3418	1852	5333	5737	5326

Federal Report Surplus Deficit By Water Year

Operating Year 2028

2019 White Book Report Date: **2/6/2020** *Continued*

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	4148	4490	2387	1444	1400	1482	2968	4504	4460	2453	1446	4769	4960	4994
56	1984 Federal Report Surplus Deficit	3972	4109	1725	605	2610	1743	2824	3880	3930	1989	3576	4800	5815	4866
57	1985 Federal Report Surplus Deficit	3531	2271	1689	627	1315	1100	1640	1958	1091	1738	2425	4277	2913	1162
58	1986 Federal Report Surplus Deficit	466	212	621	908	1835	1255	2387	4415	4837	3585	3250	4103	4756	2387
59	1987 Federal Report Surplus Deficit	1702	832	439	10.3	1175	1171	1195	573	1645	-109	374	4644	3128	378
60	1988 Federal Report Surplus Deficit	600	244	243	67.5	404	-186	-679	7.91	85.2	-852	-228	1069	2997	2393
61	1989 Federal Report Surplus Deficit	1289	856	588	132	657	749	243	-850	2006	1239	3834	4217	3142	1695
62	1990 Federal Report Surplus Deficit	662	726	551	270	1087	1458	2062	3763	2690	1481	3270	4359	4858	3652
63	1991 Federal Report Surplus Deficit	3129	2974	580	102	2522	1915	3077	3853	2765	1975	1474	4397	4812	4890
64	1992 Federal Report Surplus Deficit	4158	3418	705	106	678	-175	820	683	818	-1009	-659	3889	2572	273
65	1993 Federal Report Surplus Deficit	813	455	89.0	79.9	720	252	-119	-1063	1156	-145	-1207	4990	4188	2723
66	1994 Federal Report Surplus Deficit	1155	1410	612	315	904	289	-129	620	51.2	-880	545	2994	2837	2066
67	1995 Federal Report Surplus Deficit	1080	460	390	119	311	277	1268	2517	2938	427	-1078	4303	5094	3764
68	1996 Federal Report Surplus Deficit	2107	1488	1284	1420	2712	3204	3938	5309	5128	3692	4341	5275	5268	4844
69	1997 Federal Report Surplus Deficit	3958	3656	1225	415	1209	1815	3950	5132	5203	4001	4531	6011	5772	5004
70	1998 Federal Report Surplus Deficit	3881	4441	2295	3069	2193	1114	1692	3635	1879	-230	-376	5507	5539	3985
71	1999 Federal Report Surplus Deficit	3500	3075	575	267	364	1667	3336	4707	4692	1870	2834	4713	5543	5119
72	2000 Federal Report Surplus Deficit	4568	4922	1319	435	2651	2134	2237	3072	2832	3131	3764	4546	2655	3463
73	2001 Federal Report Surplus Deficit	2825	681	463	263	558	16.1	548	87.3	110	-1044	-1819	726	2099	884
74	2002 Federal Report Surplus Deficit	1379	503	-166	-188	502	643	56.4	601	802	954	2969	3859	5256	4596
75	2003 Federal Report Surplus Deficit	1634	1567	651	360	848	143	267	1243	2656	669	735	2425	5012	1926
76	2004 Federal Report Surplus Deficit	466	315	-66.9	113	1195	1063	699	106	940	464	473	3057	3860	1941
77	2005 Federal Report Surplus Deficit	387	1141	1493	783	1020	1321	1719	2918	987	-1084	-852	3164	3627	2532
78	2006 Federal Report Surplus Deficit	1306	833	274	278	1174	1061	2662	4000	2566	3976	3799	5521	5218	3167
79	2007 Federal Report Surplus Deficit	1140	491	-221	97.7	1123	1099	2255	2174	3784	2098	892	4730	4423	3370
80	2008 Federal Report Surplus Deficit	716	232	-423	252	1087	480	872	1109	1175	82.0	-617	4848	5960	4443

Ranked Averages

81	**Bottom 10 pct**	**506**	**438**	**481**	**325**	**879**	**737**	**1295**	**1657**	**1851**	**972**	**849**	**3303**	**3944**	**2437**
82	**Middle 80 pct**	**2381**	**1882**	**864**	**547**	**1082**	**1116**	**1898**	**2671**	**2298**	**1409**	**1582**	**4334**	**4672**	**3428**
83	**Top 10 pct**	**4345**	**4496**	**1993**	**609**	**1434**	**1209**	**2002**	**2891**	**2420**	**1293**	**994**	**3793**	**4202**	**3334**

Federal Report Surplus Deficit By Water Year

Operating Year 2029

2019 White Book Report Date: **2/6/2020**

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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	1876	2485	669	195	524	-202	3.80	90.0	87.5	-969	-1654	-128	3191	380
2	1930 Federal Report Surplus Deficit	1065	1029	632	248	663	-135	-970	188	20.3	-411	-1025	-80.9	1252	1862
3	1931 Federal Report Surplus Deficit	1347	1184	425	217	569	-8.19	-873	-1.02	115	-649	-1791	225	1206	1778
4	1932 Federal Report Surplus Deficit	1760	1101	501	-91.1	144	-119	-38.8	-1645	2147	2014	3704	4568	4032	3550
5	1933 Federal Report Surplus Deficit	2189	2439	1152	224	320	1257	2391	3091	2336	1108	594	3441	4999	4970
6	1934 Federal Report Surplus Deficit	4256	4087	1294	937	2595	3025	3780	4706	4091	3977	3500	3742	3306	850
7	1935 Federal Report Surplus Deficit	763	1172	80.0	84.8	-39.1	366	2317	2839	2333	-103	1092	3026	2251	3612
8	1936 Federal Report Surplus Deficit	3860	1503	474	84.7	489	-200	-796	-429	370	-548	2590	4662	3743	2623
9	1937 Federal Report Surplus Deficit	920	939	115	265	765	-31.2	-1056	-570	-216	-839	-1608	-79.5	2547	1311
10	1938 Federal Report Surplus Deficit	1212	846	700	176	381	691	1835	2549	3014	2570	3966	4230	3316	3841
11	1939 Federal Report Surplus Deficit	1015	898	904	182	320	-206	1193	1299	1158	283	1785	2819	1889	2076
12	1940 Federal Report Surplus Deficit	696	825	265	268	757	800	1277	791	2700	1440	796	3138	1901	365
13	1941 Federal Report Surplus Deficit	559	465	380	13.2	704	568	651	243	920	-702	-1778	-68.1	1707	1542
14	1942 Federal Report Surplus Deficit	1455	1156	833	-64.2	1005	1702	1916	2089	168	-700	189	1382	3956	4187
15	1943 Federal Report Surplus Deficit	2629	2642	1368	270	125	340	2616	3112	3078	4853	4421	3536	4770	4963
16	1944 Federal Report Surplus Deficit	2805	2232	699	113	520	-186	507	141	-298	-1032	-2007	-152	1173	464
17	1945 Federal Report Surplus Deficit	1250	649	319	-17.0	487	-74.5	-397	-292	-32.0	-879	-1801	2574	3905	819
18	1946 Federal Report Surplus Deficit	1241	1076	491	74.5	606	760	1761	2143	2403	3481	4183	4300	3354	4308
19	1947 Federal Report Surplus Deficit	3459	2991	1093	47.5	1087	2433	3183	3828	3368	2295	1630	4237	3666	3958
20	1948 Federal Report Surplus Deficit	2115	1879	979	2788	2185	1614	3055	3610	2337	1513	3137	5138	5035	4353
21	1949 Federal Report Surplus Deficit	4308	4199	1541	531	825	663	1578	2005	3511	2333	3443	4587	3254	957
22	1950 Federal Report Surplus Deficit	444	404	231	90.3	409	808	2969	4021	3857	3556	2644	3784	4789	5242
23	1951 Federal Report Surplus Deficit	4263	4000	1449	1241	2400	2531	3740	5050	4395	3985	3071	4286	3563	4731
24	1952 Federal Report Surplus Deficit	3673	2065	1070	2271	1653	1657	2940	3833	2324	3749	4664	5002	3886	3928
25	1953 Federal Report Surplus Deficit	2413	1550	105	209	473	-151	689	4531	1626	-1028	-317	3471	5065	4883
26	1954 Federal Report Surplus Deficit	2760	2619	1100	461	1085	1180	2670	4226	3028	1576	1579	4235	4187	5128
27	1955 Federal Report Surplus Deficit	4529	5028	2935	603	1757	1138	949	1218	-289	-692	-783	2681	4834	5209
28	1956 Federal Report Surplus Deficit	4142	3379	1005	743	2098	2467	3548	4796	4489	3442	4694	5052	4739	4617
29	1957 Federal Report Surplus Deficit	3807	3726	1165	721	778	1321	1788	1214	2819	3193	1932	5265	4788	2996
30	1958 Federal Report Surplus Deficit	2679	1282	516	147	593	605	2387	2994	2114	704	2474	4707	4329	2592
31	1959 Federal Report Surplus Deficit	2334	1384	633	472	1645	2172	3472	4501	2737	2683	1949	3653	4328	4901
32	1960 Federal Report Surplus Deficit	4152	4320	3499	3601	2619	2000	2546	2831	2436	4049	2967	3017	3937	3538
33	1961 Federal Report Surplus Deficit	3292	1352	757	410	1019	831	2208	3381	3554	2490	1206	3964	4426	2850
34	1962 Federal Report Surplus Deficit	2277	1710	485	70.9	622	798	2283	3033	776	928	3870	3802	3498	2782
35	1963 Federal Report Surplus Deficit	2837	2299	635	995	1764	1981	2563	3113	927	-7.71	-601	2943	4084	3433
36	1964 Federal Report Surplus Deficit	2371	1718	1293	61.3	656	799	1467	1752	259	855	297	3848	5266	5103
37	1965 Federal Report Surplus Deficit	4084	3999	1972	1286	1507	2547	3944	5118	4310	794	4356	4426	4138	3983
38	1966 Federal Report Surplus Deficit	4023	3821	670	572	859	957	2073	2515	926	1440	1197	2582	3318	3414
39	1967 Federal Report Surplus Deficit	2660	1353	707	-9.61	442	1335	3111	4091	3082	1422	-344	3447	4655	4643
40	1968 Federal Report Surplus Deficit	3386	3262	1260	422	1243	945	2411	3551	3302	-771	-819	2469	3943	3782
41	1969 Federal Report Surplus Deficit	3611	3764	2303	1341	2197	1654	3504	4536	3385	3495	3935	4834	4030	3973
42	1970 Federal Report Surplus Deficit	2156	1170	816	593	918	423	2282	3271	1475	-454	-669	3353	4691	2771
43	1971 Federal Report Surplus Deficit	1530	1270	301	111	622	901	3649	4894	4385	3372	3027	5064	5086	4931
44	1972 Federal Report Surplus Deficit	4261	4542	1472	764	976	1251	3410	4866	5253	4436	2439	4724	4991	4969
45	1973 Federal Report Surplus Deficit	4359	4769	1608	661	1076	940	2055	2549	711	-1040	-1997	-124	1759	1081
46	1974 Federal Report Surplus Deficit	1423	512	308	59.6	396	1753	4076	4932	4977	4240	3977	4485	5193	5306
47	1975 Federal Report Surplus Deficit	4403	4765	1548	2.69	488	497	2168	2789	3121	7.71	207	3926	4947	5166
48	1976 Federal Report Surplus Deficit	3368	3453	1736	1532	2376	2903	3461	4577	3736	3902	2924	4963	4074	4958
49	1977 Federal Report Surplus Deficit	4552	5190	4225	795	586	-74.4	757	361	-310	-1048	-1944	-143	1182	360
50	1978 Federal Report Surplus Deficit	1251	702	-295	-200	441	920	1956	2199	1992	3492	1478	3753	2910	3957
51	1979 Federal Report Surplus Deficit	2790	2309	2212	828	972	113	1393	769	2152	-237	774	3863	2109	558
52	1980 Federal Report Surplus Deficit	722	566	655	203	484	-250	1453	176	333	1190	2306	4613	4137	2906
53	1981 Federal Report Surplus Deficit	994	837	802	98.6	1008	1938	3057	3994	1162	-985	-469	3790	4593	4658
54	1982 Federal Report Surplus Deficit	4296	4272	1267	337	1295	931	2735	5065	5130	3381	1807	4435	4833	5286

Federal Report Surplus Deficit By Water Year

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2019 White Book Report Date: **2/6/2020** *Continued*

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	4222	4657	2380	1405	1344	1351	2998	4359	4404	2386	1401	3883	4022	4919
56	1984 Federal Report Surplus Deficit	4046	4277	1718	567	2554	1613	2853	3735	3840	1873	3532	3914	4883	4801
57	1985 Federal Report Surplus Deficit	3605	2439	1682	588	1259	969	1669	1813	1061	1670	2380	3391	1989	1115
58	1986 Federal Report Surplus Deficit	540	380	614	869	1779	1125	2416	4270	4799	3556	3206	3216	3866	2336
59	1987 Federal Report Surplus Deficit	1776	999	431	-28.1	1119	1041	1224	428	1591	-158	309	3693	2146	343
60	1988 Federal Report Surplus Deficit	673	412	235	29.1	348	-316	-650	-137	72.0	-882	-268	200	2066	2354
61	1989 Federal Report Surplus Deficit	1362	1023	581	93.7	601	619	272	-995	1976	1154	3751	3331	2218	1648
62	1990 Federal Report Surplus Deficit	736	894	544	232	1031	1328	2092	3618	2645	1374	3148	3441	3857	3503
63	1991 Federal Report Surplus Deficit	3203	3142	572	63.3	2466	1785	3106	3708	2687	1868	1429	3500	3811	4783
64	1992 Federal Report Surplus Deficit	4232	3585	698	67.9	622	-306	849	537	794	-1038	-703	3002	1648	238
65	1993 Federal Report Surplus Deficit	887	622	81.6	41.5	664	121	-89.5	-1208	1132	-188	-1252	4104	3263	2647
66	1994 Federal Report Surplus Deficit	1229	1578	604	276	848	159	-100	474	30.0	-907	503	2108	1905	2015
67	1995 Federal Report Surplus Deficit	1154	628	382	80.1	255	146	1297	2372	2879	388	-1123	3416	4063	3682
68	1996 Federal Report Surplus Deficit	2180	1656	1277	1382	2656	3074	3967	5164	5097	3663	4263	4448	4253	4786
69	1997 Federal Report Surplus Deficit	4032	3824	1218	377	1153	1684	3979	4986	5163	3856	4384	5098	4890	4903
70	1998 Federal Report Surplus Deficit	3954	4609	2288	3030	2137	983	1721	3490	1838	-280	-421	4630	4517	3895
71	1999 Federal Report Surplus Deficit	3574	3243	568	229	309	1536	3365	4562	4604	1791	2789	3786	4577	5059
72	2000 Federal Report Surplus Deficit	4642	5090	1311	396	2595	2004	2266	2927	2779	3102	3680	3643	1724	3380
73	2001 Federal Report Surplus Deficit	2899	848	455	224	502	-114	577	-57.9	104	-1073	-1863	-160	1174	839
74	2002 Federal Report Surplus Deficit	1453	670	-173	-227	446	513	85.5	456	774	837	2924	2972	4233	4485
75	2003 Federal Report Surplus Deficit	1708	1734	644	322	792	12.2	296	1097	2598	620	691	1539	4064	1867
76	2004 Federal Report Surplus Deficit	540	483	-74.3	74.1	1139	932	728	-39.3	914	429	422	2171	2936	1892
77	2005 Federal Report Surplus Deficit	461	1309	1486	745	964	1190	1748	2773	967	-1113	-897	2278	2703	2494
78	2006 Federal Report Surplus Deficit	1379	1000	267	240	1118	930	2691	3855	2534	3947	3650	4615	4290	3090
79	2007 Federal Report Surplus Deficit	1214	658	-229	59.3	1067	968	2284	2029	3710	2045	847	3784	3407	3292
80	2008 Federal Report Surplus Deficit	790	400	-430	213	1031	349	901	964	1158	36.7	-662	3963	5022	4352
	Ranked Averages														
81	**Bottom 10 pct**	**579**	**605**	**474**	**286**	**823**	**607**	**1324**	**1512**	**1820**	**934**	**804**	**2416**	**3013**	**2391**
82	**Middle 80 pct**	**2455**	**2050**	**856**	**508**	**1026**	**986**	**1927**	**2526**	**2255**	**1353**	**1522**	**3447**	**3720**	**3357**
83	**Top 10 pct**	**4419**	**4664**	**1985**	**571**	**1378**	**1079**	**2031**	**2745**	**2381**	**1254**	**935**	**2911**	**3262**	**3271**

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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	1851	2461	583	258	543	-178	12.7	79.0	19.7	-923	-1577	749	4022	445
2	1930 Federal Report Surplus Deficit	1040	1006	545	310	682	-110	-961	177	-47.5	-357	-947	786	2117	1936
3	1931 Federal Report Surplus Deficit	1321	1160	338	280	588	16.4	-864	-12.0	39.4	-602	-1713	1065	2025	1850
4	1932 Federal Report Surplus Deficit	1735	1078	415	-28.5	163	-94.2	-29.9	-1656	2110	2140	3843	5456	4889	3665
5	1933 Federal Report Surplus Deficit	2163	2416	1066	286	339	1282	2400	3080	2280	1201	654	4318	5797	5037
6	1934 Federal Report Surplus Deficit	4231	4063	1208	1000	2614	3049	3789	4695	4076	4115	3675	4644	4190	933
7	1935 Federal Report Surplus Deficit	737	1149	-6.26	147	-20.2	390	2326	2828	2302	-50.5	1170	3903	3081	3723
8	1936 Federal Report Surplus Deficit	3834	1480	387	147	508	-176	-787	-440	305	-443	2667	5537	4641	2711
9	1937 Federal Report Surplus Deficit	894	916	28.7	328	784	-6.57	-1047	-581	-290	-793	-1530	797	3378	1417
10	1938 Federal Report Surplus Deficit	1187	823	614	238	400	715	1844	2538	3008	2615	4081	5100	4147	3984
11	1939 Federal Report Surplus Deficit	990	875	818	244	338	-182	1202	1288	1100	363	1861	3695	2763	2171
12	1940 Federal Report Surplus Deficit	671	802	179	330	776	824	1286	780	2663	1529	874	4015	2768	429
13	1941 Federal Report Surplus Deficit	534	441	294	75.8	723	592	660	232	859	-644	-1700	769	2548	1611
14	1942 Federal Report Surplus Deficit	1429	1132	747	-1.58	1024	1727	1925	2078	92.3	-672	267	2259	4835	4314
15	1943 Federal Report Surplus Deficit	2603	2618	1281	333	144	365	2625	3101	3091	4899	4546	4413	5648	5096
16	1944 Federal Report Surplus Deficit	2780	2209	613	176	539	-161	516	130	-372	-987	-1929	725	2003	529
17	1945 Federal Report Surplus Deficit	1225	626	232	45.6	506	-49.9	-388	-303	-112	-834	-1723	3451	4813	895
18	1946 Federal Report Surplus Deficit	1216	1053	405	137	625	785	1770	2132	2383	3526	4306	5166	4226	4399
19	1947 Federal Report Surplus Deficit	3433	2968	1007	110	1106	2457	3192	3817	3343	2355	1708	5126	4565	4076
20	1948 Federal Report Surplus Deficit	2090	1855	893	2850	2204	1639	3064	3599	2302	1640	3215	6040	5905	4515
21	1949 Federal Report Surplus Deficit	4282	4175	1454	593	844	688	1587	1994	3488	2408	3521	5437	4115	1044
22	1950 Federal Report Surplus Deficit	418	380	145	153	428	832	2978	4010	3835	3602	2722	4701	5622	5338
23	1951 Federal Report Surplus Deficit	4238	3977	1363	1304	2419	2555	3749	5039	4352	4030	3220	5160	4449	4877
24	1952 Federal Report Surplus Deficit	3647	2041	984	2333	1671	1681	2949	3822	2305	3794	4760	5862	4738	4010
25	1953 Federal Report Surplus Deficit	2387	1527	18.8	272	492	-127	698	4520	1579	-983	-262	4348	5917	4995
26	1954 Federal Report Surplus Deficit	2735	2595	1013	524	1103	1204	2679	4215	3015	1674	1656	5117	5036	5237
27	1955 Federal Report Surplus Deficit	4504	5005	2849	666	1776	1163	958	1207	-362	-632	-705	3558	5669	5295
28	1956 Federal Report Surplus Deficit	4116	3355	919	805	2117	2492	3557	4785	4457	3487	4806	5915	5508	4675
29	1957 Federal Report Surplus Deficit	3781	3703	1078	784	796	1346	1797	1203	2800	3277	2010	6073	5606	3096
30	1958 Federal Report Surplus Deficit	2653	1258	429	210	612	630	2396	2983	2063	767	2552	5574	5223	2716
31	1959 Federal Report Surplus Deficit	2308	1360	546	534	1664	2196	3481	4490	2720	2776	2026	4552	5123	4969
32	1960 Federal Report Surplus Deficit	4126	4297	3413	3664	2638	2025	2555	2820	2401	4095	3084	3893	4819	3691
33	1961 Federal Report Surplus Deficit	3267	1329	671	473	1038	856	2217	3370	3508	2582	1284	4846	5294	2947
34	1962 Federal Report Surplus Deficit	2251	1687	399	134	641	822	2292	3022	719	1026	3982	4679	4329	2876
35	1963 Federal Report Surplus Deficit	2811	2275	549	1058	1783	2006	2572	3102	864	62.8	-523	3820	4995	3539
36	1964 Federal Report Surplus Deficit	2345	1694	1207	124	675	824	1476	1741	192	916	377	4725	6104	5182
37	1965 Federal Report Surplus Deficit	4059	3976	1886	1349	1526	2572	3953	5107	4272	919	4484	5279	4966	4075
38	1966 Federal Report Surplus Deficit	3997	3798	584	635	878	982	2082	2504	873	1543	1275	3459	4270	3534
39	1967 Federal Report Surplus Deficit	2634	1329	621	53.1	461	1359	3119	4080	3073	1503	-328	4385	5594	4778
40	1968 Federal Report Surplus Deficit	3361	3238	1173	485	1262	969	2420	3540	3280	-736	-741	3346	4758	3868
41	1969 Federal Report Surplus Deficit	3586	3741	2217	1403	2216	1679	3513	4525	3344	3540	4096	5702	4836	4101
42	1970 Federal Report Surplus Deficit	2131	1146	730	655	936	447	2291	3260	1416	-403	-591	4230	5490	2842
43	1971 Federal Report Surplus Deficit	1505	1247	215	173	641	926	3658	4883	4396	3417	3161	5903	5911	5041
44	1972 Federal Report Surplus Deficit	4236	4518	1386	827	995	1276	3419	4855	5230	4549	2603	5620	5872	5061
45	1973 Federal Report Surplus Deficit	4334	4746	1521	724	1095	964	2064	2538	655	-995	-1920	753	2636	1167
46	1974 Federal Report Surplus Deficit	1398	488	222	122	415	1777	4084	4921	4920	4285	4104	5342	6017	5369
47	1975 Federal Report Surplus Deficit	4378	4742	1462	65.4	507	522	2177	2778	3094	83.6	285	4793	5782	5253
48	1976 Federal Report Surplus Deficit	3342	3430	1650	1594	2395	2928	3470	4566	3689	3947	3002	5809	4920	5051
49	1977 Federal Report Surplus Deficit	4527	5166	4139	858	605	-49.8	766	350	-383	-1003	-1866	706	2012	425
50	1978 Federal Report Surplus Deficit	1225	679	-381	-137	460	944	1965	2188	1931	3537	1556	4615	3739	4072
51	1979 Federal Report Surplus Deficit	2765	2286	2126	891	991	138	1402	758	2088	-164	843	4740	2940	637
52	1980 Federal Report Surplus Deficit	696	543	569	265	503	-225	1462	165	260	1242	2384	5504	5001	2985
53	1981 Federal Report Surplus Deficit	969	814	716	161	1027	1963	3066	3983	1115	-939	-400	4665	5486	4776
54	1982 Federal Report Surplus Deficit	4271	4248	1181	400	1314	955	2744	5054	5085	3434	1885	5323	5644	5356

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	4197	4634	2293	1468	1363	1376	3007	4348	4374	2469	1479	4760	4866	5023
56	1984 Federal Report Surplus Deficit	4020	4253	1632	630	2573	1637	2862	3724	3845	2005	3609	4791	5722	4895
57	1985 Federal Report Surplus Deficit	3579	2415	1596	651	1278	994	1678	1802	1006	1754	2458	4268	2820	1192
58	1986 Federal Report Surplus Deficit	514	356	528	932	1798	1149	2425	4259	4752	3601	3283	4093	4662	2417
59	1987 Federal Report Surplus Deficit	1750	976	345	34.5	1138	1066	1233	417	1560	-93.0	407	4635	3035	408
60	1988 Federal Report Surplus Deficit	648	388	149	91.8	367	-292	-641	-148	0.13	-836	-195	1060	2904	2423
61	1989 Federal Report Surplus Deficit	1337	1000	495	156	620	643	281	-1006	1921	1255	3867	4208	3049	1725
62	1990 Federal Report Surplus Deficit	711	870	458	294	1050	1353	2100	3607	2605	1497	3303	4349	4764	3682
63	1991 Federal Report Surplus Deficit	3177	3118	486	126	2485	1809	3115	3697	2680	1991	1507	4388	4719	4920
64	1992 Federal Report Surplus Deficit	4206	3562	611	131	641	-281	858	526	733	-993	-626	3879	2478	303
65	1993 Federal Report Surplus Deficit	862	599	-4.60	104	683	146	-80.5	-1219	1071	-129	-1174	4981	4094	2753
66	1994 Federal Report Surplus Deficit	1203	1554	518	339	867	183	-91.1	463	-33.8	-864	578	2985	2744	2096
67	1995 Federal Report Surplus Deficit	1128	605	296	143	274	171	1306	2361	2853	443	-1045	4293	5000	3793
68	1996 Federal Report Surplus Deficit	2155	1632	1191	1444	2675	3098	3976	5153	5043	3708	4374	5265	5175	4873
69	1997 Federal Report Surplus Deficit	4006	3801	1132	439	1172	1709	3988	4975	5118	4017	4564	6001	5679	5033
70	1998 Federal Report Surplus Deficit	3929	4585	2202	3093	2156	1008	1730	3479	1794	-214	-343	5497	5445	4015
71	1999 Federal Report Surplus Deficit	3548	3220	481	291	328	1561	3374	4551	4607	1886	2867	4704	5449	5149
72	2000 Federal Report Surplus Deficit	4616	5067	1225	459	2614	2029	2275	2916	2747	3148	3797	4536	2561	3493
73	2001 Federal Report Surplus Deficit	2874	825	369	287	521	-89.7	586	-68.8	25.3	-1028	-1786	717	2005	913
74	2002 Federal Report Surplus Deficit	1427	647	-259	-164	465	537	94.5	445	717	970	3002	3849	5163	4626
75	2003 Federal Report Surplus Deficit	1683	1711	558	385	811	36.9	305	1086	2571	685	768	2416	4919	1956
76	2004 Federal Report Surplus Deficit	514	460	-160	137	1158	957	737	-50.2	855	480	506	3048	3767	1971
77	2005 Federal Report Surplus Deficit	435	1286	1399	807	983	1215	1757	2762	902	-1068	-819	3155	3534	2561
78	2006 Federal Report Surplus Deficit	1354	977	180	302	1137	955	2700	3844	2481	3992	3832	5512	5125	3197
79	2007 Federal Report Surplus Deficit	1188	635	-315	122	1086	993	2293	2018	3699	2114	925	4721	4329	3399
80	2008 Federal Report Surplus Deficit	765	377	-516	276	1050	374	910	953	1090	98.1	-584	4839	5867	4473
	Ranked Averages														
81	**Bottom 10 pct**	**554**	**582**	**388**	**349**	**842**	**632**	**1333**	**1501**	**1766**	**988**	**882**	**3293**	**3850**	**2467**
82	**Middle 80 pct**	**2430**	**2026**	**770**	**571**	**1045**	**1010**	**1936**	**2515**	**2213**	**1425**	**1615**	**4325**	**4578**	**3457**
83	**Top 10 pct**	**4394**	**4641**	**1899**	**634**	**1397**	**1103**	**2040**	**2734**	**2334**	**1309**	**1027**	**3783**	**4108**	**3364**

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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 2021 to 2030
Using 1937-Water Conditions

Regional Report Surplus Deficit By Water Year

Operating Year 2021

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Regional Report Surplus Deficit	3054	4288	7019	5098	3610	507	412	1406	2259	1476	-583	2653	6664	1761
2	1930 Regional Report Surplus Deficit	3078	3109	6927	4762	2887	297	-829	1415	2169	2002	-347	2295	3934	3713
3	1931 Regional Report Surplus Deficit	3664	3691	6771	4721	3324	487	-757	926	2173	1976	-964	2603	2924	2716
4	1932 Regional Report Surplus Deficit	3696	3143	6497	4359	2886	430	389	-1029	4998	5762	6393	8745	7936	6139
5	1933 Regional Report Surplus Deficit	4010	4608	6960	4913	3314	2529	3572	5597	5207	4403	1780	6704	9171	8195
6	1934 Regional Report Surplus Deficit	6646	6344	7189	6028	6088	4541	5485	7711	7872	8490	6039	7572	6488	2283
7	1935 Regional Report Surplus Deficit	2483	3078	6448	4514	2830	1235	3467	5199	5352	2830	2822	6424	5485	6260
8	1936 Regional Report Surplus Deficit	5678	3811	7001	4753	3409	346	-498	449	2620	2261	4803	9181	7686	4970
9	1937 Regional Report Surplus Deficit	3407	3508	7069	4885	3162	433	-969	-39.9	1576	1582	-833	2391	5763	3119
10	1938 Regional Report Surplus Deficit	3501	3298	6920	4781	3326	1892	2997	4343	6724	6397	6673	8310	6863	6614
11	1939 Regional Report Surplus Deficit	2753	3277	7076	4860	3296	520	2285	3170	3830	3103	3413	6506	4971	4046
12	1940 Regional Report Surplus Deficit	3304	3561	7028	4851	3598	1856	2227	2544	6118	4849	2234	6864	4806	1621
13	1941 Regional Report Surplus Deficit	2362	2511	6660	4606	3198	1470	1102	2003	3341	1517	-1032	2155	3918	2257
14	1942 Regional Report Surplus Deficit	3235	3008	6263	4271	3799	3162	3045	4236	2434	1840	1265	4366	7777	7062
15	1943 Regional Report Surplus Deficit	3690	4458	6910	4955	3067	1433	4011	5515	6496	9522	7436	7318	8851	8118
16	1944 Regional Report Surplus Deficit	4911	4605	7204	4974	3323	691	1244	1493	1915	1812	-1215	1941	3032	820
17	1945 Regional Report Surplus Deficit	3085	2619	6396	3974	2852	456	114	873	2174	1531	-919	5669	7753	2583
18	1946 Regional Report Surplus Deficit	3254	3110	7028	4750	3380	1973	2913	4501	5529	7429	7013	8703	7059	7330
19	1947 Regional Report Surplus Deficit	4814	4442	7203	4931	4391	4296	4758	6798	6959	6006	3394	8315	7579	6772
20	1948 Regional Report Surplus Deficit	4052	3798	7099	8582	5748	3174	4637	6147	5342	5220	5519	9802	8789	7437
21	1949 Regional Report Surplus Deficit	6329	6089	7227	5507	3987	1721	2567	4084	6937	6216	5938	8878	6940	2803
22	1950 Regional Report Surplus Deficit	2534	3362	7054	4755	3373	2032	4548	6635	7576	7731	4582	7345	9102	8539
23	1951 Regional Report Surplus Deficit	6035	6247	7384	6642	6188	4367	5425	8275	8209	8336	5615	8322	7386	7822
24	1952 Regional Report Surplus Deficit	5846	4609	7254	8038	5174	3267	4435	6474	5443	7892	7650	9502	7635	6673
25	1953 Regional Report Surplus Deficit	4767	3806	7240	4917	2880	209	1659	7374	4462	1659	1002	7258	9131	8109
26	1954 Regional Report Surplus Deficit	4158	4937	7256	5426	4341	2651	4254	6958	6436	5178	3332	8438	8289	8377
27	1955 Regional Report Surplus Deficit	6669	7522	8772	5596	5157	2462	1896	2897	1344	2167	8.58	5554	9145	8392
28	1956 Regional Report Surplus Deficit	6386	5789	7256	5886	5647	4275	5423	7501	7942	7367	7519	9583	8977	7766
29	1957 Regional Report Surplus Deficit	5253	4854	7328	5840	3970	2916	2999	3041	6204	7590	3830	9973	8959	5444
30	1958 Regional Report Surplus Deficit	3418	3422	7232	4864	3503	1753	3888	5533	5176	4040	4807	9043	8369	4860
31	1959 Regional Report Surplus Deficit	3556	3829	7088	5283	5022	3900	5220	7490	6038	6906	3782	7903	8351	7992
32	1960 Regional Report Surplus Deficit	5946	5178	9642	9564	6243	3519	3968	5276	5733	8595	5342	6544	7838	6113
33	1961 Regional Report Surplus Deficit	5096	3771	7098	5291	4261	2000	3434	5795	7223	6394	2523	7934	8137	4998
34	1962 Regional Report Surplus Deficit	3536	3741	6996	4842	3672	1845	3514	5457	3201	4543	6402	7539	7077	5018
35	1963 Regional Report Surplus Deficit	5011	4682	7133	6207	5234	3608	3874	5719	3515	2954	602	6888	8122	5973
36	1964 Regional Report Surplus Deficit	4648	4198	7130	4822	3769	2001	2566	3774	2597	4241	1700	7374	9553	8351
37	1965 Regional Report Surplus Deficit	6677	5230	7665	6457	4835	4359	5495	8070	7938	4163	7204	8671	8063	6844
38	1966 Regional Report Surplus Deficit	6809	6619	7104	5669	4075	2347	3390	4810	3610	5309	2929	5777	6991	5869
39	1967 Regional Report Surplus Deficit	4868	3622	6987	4722	3459	2801	4688	6808	6544	4859	555	7211	8924	7765
40	1968 Regional Report Surplus Deficit	5557	4319	6967	5407	4553	2350	3945	6316	6996	1839	-14.2	5721	7944	6439
41	1969 Regional Report Surplus Deficit	5930	5482	8096	6705	5768	3226	5122	7338	6680	7692	6801	9294	8155	6851
42	1970 Regional Report Surplus Deficit	3794	3287	7255	5586	4071	1509	3773	5874	4538	2296	302	7115	8748	5296
43	1971 Regional Report Surplus Deficit	4048	3760	7123	4936	3554	2162	5343	7776	8159	7318	5250	9571	9468	8255
44	1972 Regional Report Surplus Deficit	6782	5137	7513	5989	4382	2779	5059	7455	9457	9406	4816	9178	8944	8118
45	1973 Regional Report Surplus Deficit	6702	7061	7409	5793	4450	2387	3466	4903	3202	1858	-1180	2237	3855	1914
46	1974 Regional Report Surplus Deficit	3235	2630	6859	4556	3415	3321	5809	7746	8760	8423	6666	8266	9354	8557
47	1975 Regional Report Surplus Deficit	6701	6714	7251	4884	3648	1710	3596	5220	6712	2854	1459	7761	9016	8424
48	1976 Regional Report Surplus Deficit	5638	6016	7482	7084	6088	4792	5334	7520	7279	8166	5056	9242	8100	8158
49	1977 Regional Report Surplus Deficit	6835	7794	9631	5886	3727	860	1341	1739	1692	1549	-1368	1725	2757	414
50	1978 Regional Report Surplus Deficit	3337	3138	6171	3548	3205	2199	3197	4457	4902	7480	3492	8045	6418	6803
51	1979 Regional Report Surplus Deficit	4053	3881	7863	5822	4162	1077	2154	2490	5277	2567	2107	8023	5322	2125
52	1980 Regional Report Surplus Deficit	2697	2716	7002	4840	3317	383	2532	1786	2881	4490	4595	9273	8133	5342
53	1981 Regional Report Surplus Deficit	2368	3180	6994	4751	4101	3557	4550	6725	3865	1438	490	7541	8757	7571
54	1982 Regional Report Surplus Deficit	5799	6002	6816	5266	4547	2286	4251	7860	9211	7420	3672	8335	8905	8487

Regional Report Surplus Deficit By Water Year

Operating Year 2021

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Regional Report Surplus Deficit	6837	6297	8206	6881	4771	2925	4711	7116	8178	6452	2924	7622	7817	8091
56	1984 Regional Report Surplus Deficit	6737	5748	7458	5705	6427	3263	4532	6435	7527	5828	5687	7771	8969	7958
57	1985 Regional Report Surplus Deficit	6174	5070	7542	5789	4805	2384	2882	3928	3661	5462	4342	7057	4999	2859
58	1986 Regional Report Surplus Deficit	2392	3169	7261	6053	5321	2420	3851	6956	8863	7616	5508	6897	7512	4583
59	1987 Regional Report Surplus Deficit	3915	3334	7206	4809	4283	2386	2262	1947	4626	2680	1502	7473	5143	1753
60	1988 Regional Report Surplus Deficit	2711	2932	6774	4239	2301	73.0	-399	786	2148	1793	896	3035	5037	4370
61	1989 Regional Report Surplus Deficit	2867	3108	6825	4645	3468	1556	852	47.3	4934	4753	6079	7011	5412	3577
62	1990 Regional Report Surplus Deficit	2848	3330	7091	4864	4130	2705	3435	6101	5807	4934	5684	7158	8036	6184
63	1991 Regional Report Surplus Deficit	5904	4907	7006	4755	5933	3142	4400	6377	5925	5564	2810	7198	7716	7758
64	1992 Regional Report Surplus Deficit	6600	6228	6892	4727	3619	267	1511	2276	3268	1259	1.96	6189	3742	839
65	1993 Regional Report Surplus Deficit	2564	2326	6561	4309	2945	646	223	-605	3468	2322	-355	7726	6583	5032
66	1994 Regional Report Surplus Deficit	3905	4111	6793	4866	3600	744	400	1719	2357	1671	1963	5486	4761	3941
67	1995 Regional Report Surplus Deficit	2857	2386	6695	4576	2587	830	2321	4617	6380	3202	-341	7492	8094	6310
68	1996 Regional Report Surplus Deficit	3922	4266	7143	6597	6280	5022	5701	8373	9216	8029	7532	8659	8243	7846
69	1997 Regional Report Surplus Deficit	6534	4666	7233	5271	4394	3319	5872	7871	9084	8308	7400	9678	8713	8106
70	1998 Regional Report Surplus Deficit	6701	6141	8206	9007	5736	2451	3080	6119	5027	2558	687	9023	8631	6739
71	1999 Regional Report Surplus Deficit	5752	3758	7289	5092	3276	3174	5046	7189	8605	5566	4890	7559	8697	8346
72	2000 Regional Report Surplus Deficit	7000	7857	7232	5348	6045	3614	3743	5320	6069	7183	6433	7435	4866	5779
73	2001 Regional Report Surplus Deficit	5377	3272	7058	4967	3362	610	868	1265	2260	1523	-1272	2183	2795	1210
74	2002 Regional Report Surplus Deficit	3123	2609	6382	3488	2950	1330	656	1870	3216	4247	5059	6375	8290	7413
75	2003 Regional Report Surplus Deficit	3231	3364	6812	4869	3608	594	911	2750	5887	3765	2042	4582	7895	3759
76	2004 Regional Report Surplus Deficit	2749	2837	6896	4206	3882	1964	1375	1332	3529	3199	1542	5438	6286	3852
77	2005 Regional Report Surplus Deficit	2295	3595	6879	5440	3820	2225	2691	4900	3393	1235	-101	5790	5960	4660
78	2006 Regional Report Surplus Deficit	3274	2739	6792	4411	3947	1939	4278	6442	5661	8220	6143	8795	8497	5428
79	2007 Regional Report Surplus Deficit	2699	3172	7019	4432	3995	2104	3484	4124	7404	5540	2245	7541	6842	5748
80	2008 Regional Report Surplus Deficit	3304	2976	6863	4264	3704	989	1534	2379	3730	2967	422	7613	9368	7304

Ranked Averages

81	**Bottom 10 pct**	**2462**	**2992**	**6857**	**4908**	**3613**	**1746**	**2871**	**4200**	**4842**	**3647**	**2064**	**6644**	**6931**	**5531**
82	**Middle 80 pct**	**4435**	**4124**	**7131**	**5299**	**4094**	**2143**	**2965**	**4554**	**5248**	**4800**	**3311**	**7120**	**7321**	**5671**
83	**Top 10 pct**	**6801**	**6653**	**7725**	**5769**	**4691**	**2485**	**3730**	**5375**	**5806**	**5055**	**2713**	**6188**	**6652**	**5821**

Regional Report Surplus Deficit By Water Year

Operating Year 2022

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Regional Report Surplus Deficit	3246	3518	4474	3722	2109	-37.1	16.1	1059	1809	-778	-1731	3879	7281	1566
2	1930 Regional Report Surplus Deficit	1587	1047	4199	3399	1390	-235	-1211	1063	1710	-289	-1420	3665	4784	3491
3	1931 Regional Report Surplus Deficit	1832	1406	4012	3364	1830	-81.6	-1144	576	1722	-316	-2135	3917	3791	2489
4	1932 Regional Report Surplus Deficit	1762	443	3985	2982	1394	-127	-10.3	-1576	4629	3414	4715	8473	8270	5796
5	1933 Regional Report Surplus Deficit	3599	3359	4831	3542	1828	2271	3627	4920	4989	2019	842	6674	9413	7544
6	1934 Regional Report Surplus Deficit	6331	6039	5318	4689	5533	4256	5645	6837	7651	6203	4343	6926	6829	2046
7	1935 Regional Report Surplus Deficit	1467	1760	3400	3151	1408	669	3456	4738	4995	525	1730	6693	6243	5884
8	1936 Regional Report Surplus Deficit	5589	2512	4142	3376	1908	-201	-926	73.4	2179	-54.9	3603	8886	8065	4713
9	1937 Regional Report Surplus Deficit	1917	1848	3538	3522	1674	-133	-1398	-426	1199	-672	-2001	3617	6416	2893
10	1938 Regional Report Surplus Deficit	2284	1184	4384	3407	1834	1379	2841	4374	6017	4031	5299	7782	7424	6237
11	1939 Regional Report Surplus Deficit	2067	1815	4252	3490	1810	9.90	1999	2824	3417	864	2377	6987	5752	3823
12	1940 Regional Report Surplus Deficit	1581	1668	3806	3494	2120	1430	1996	2208	5785	2594	1161	7203	5536	1426
13	1941 Regional Report Surplus Deficit	793	598	3780	3238	1715	941	727	1673	2927	-776	-2193	3487	4673	2032
14	1942 Regional Report Surplus Deficit	1092	489	3961	2895	2333	3151	2921	3845	1986	-429	200	5291	8122	6606
15	1943 Regional Report Surplus Deficit	3636	3858	5202	3594	1616	864	4070	5080	6174	7152	5956	7395	9117	7550
16	1944 Regional Report Surplus Deficit	4405	3555	4632	3589	1823	153	886	1148	1448	-442	-2371	3168	3898	570
17	1945 Regional Report Surplus Deficit	843	3.02	2863	2598	1351	-112	-283	489	1709	-723	-2075	6210	8072	2342
18	1946 Regional Report Surplus Deficit	1887	1762	4068	3368	1878	1479	2715	4094	5222	5265	5462	7820	7552	6845
19	1947 Regional Report Surplus Deficit	5281	4532	5156	3538	2927	4369	5009	6121	6621	3885	2398	8126	7947	6348
20	1948 Regional Report Surplus Deficit	3505	3039	4792	7319	4598	3131	4831	5616	4984	2811	4301	9020	8872	6931
21	1949 Regional Report Surplus Deficit	6323	6224	5642	4154	2494	1204	2403	3708	6736	3847	4730	8617	7473	2572
22	1950 Regional Report Surplus Deficit	1354	1239	3830	3371	1879	1614	4745	6111	7236	5479	3609	6993	9260	7895
23	1951 Regional Report Surplus Deficit	6369	6047	5611	5307	5163	4565	5710	7406	7972	6121	4349	7695	7806	7226
24	1952 Regional Report Surplus Deficit	5461	3311	5139	6734	3827	3225	4583	5929	5070	5675	6149	8773	8087	6284
25	1953 Regional Report Surplus Deficit	3633	2785	3718	3542	1379	-343	1292	6799	4073	-595	-29.9	7463	9406	7538
26	1954 Regional Report Surplus Deficit	4352	4114	5139	4070	2879	2328	4335	6382	6041	2979	2371	7687	8240	7744
27	1955 Regional Report Surplus Deficit	6716	7395	7561	4244	3844	2201	1572	2553	989	-126	-1069	6121	9294	7756
28	1956 Regional Report Surplus Deficit	6161	5032	4982	4541	4438	4371	5703	6890	7777	5223	5771	8723	9039	7227
29	1957 Regional Report Surplus Deficit	5762	5652	5286	4494	2473	2664	2880	2700	5926	5316	2721	9682	9171	5149
30	1958 Regional Report Surplus Deficit	4238	2307	4246	3487	2002	1216	3890	5102	4838	1747	3603	8830	8659	4609
31	1959 Regional Report Surplus Deficit	3777	1952	4371	3927	3660	4244	5648	6619	5722	4735	2759	7155	8525	7378
32	1960 Regional Report Surplus Deficit	6065	6289	8551	8568	5674	3946	4102	4822	5283	6387	4018	6943	8198	5783
33	1961 Regional Report Surplus Deficit	4927	2425	4548	3933	2791	1542	3430	5435	6765	4123	1566	7270	8243	4721
34	1962 Regional Report Surplus Deficit	3658	2314	4141	3457	2171	1363	3491	4992	2778	2270	4993	7470	7581	4761
35	1963 Regional Report Surplus Deficit	4423	3579	4514	4869	3922	3825	4048	5265	3105	654	-452	7347	8430	5627
36	1964 Regional Report Surplus Deficit	3577	2795	5268	3440	2268	1533	2326	3404	2148	1928	671	7338	9756	7716
37	1965 Regional Report Surplus Deficit	6110	5987	6282	5124	3479	4315	5565	7147	7749	1977	5830	7869	8372	6429
38	1966 Regional Report Surplus Deficit	6032	5780	4598	4324	2594	1987	3298	4382	3193	3050	1885	6385	7502	5543
39	1967 Regional Report Surplus Deficit	3966	2291	4548	3346	1963	2561	4942	6174	6216	2690	-473	6927	8965	7244
40	1968 Regional Report Surplus Deficit	5106	4850	5237	4056	3129	1992	3958	5807	6656	-463	-1083	6370	8219	6047
41	1969 Regional Report Surplus Deficit	5319	5712	6751	5374	4629	3191	5420	6611	6425	5424	5008	8519	8389	6443
42	1970 Regional Report Surplus Deficit	3556	2166	4585	4235	2588	949	3741	5386	3994	100	-725	7360	9055	5022
43	1971 Regional Report Surplus Deficit	2737	2239	4076	3566	2052	1722	5573	6941	7950	5208	4055	8819	9565	7690
44	1972 Regional Report Surplus Deficit	6484	6806	5719	4644	2900	2483	5389	7134	8980	6779	3618	8310	9027	7545
45	1973 Regional Report Surplus Deficit	6463	6999	5922	4447	2984	1953	3367	4473	2777	-396	-2337	3464	4637	1684
46	1974 Regional Report Surplus Deficit	1203	-169	3568	3186	1927	3359	5748	6935	8522	6185	4954	7452	9486	7937
47	1975 Regional Report Surplus Deficit	6643	7037	5705	3490	2148	1154	3533	4786	6262	694	381	7395	9345	7845
48	1976 Regional Report Surplus Deficit	5257	5427	5971	5755	5058	4559	5747	6784	6962	5970	3838	8547	8403	7547
49	1977 Regional Report Surplus Deficit	6661	7467	8514	4543	2225	292	1020	1400	1337	-705	-2525	3080	3624	167
50	1978 Regional Report Surplus Deficit	655	-136	2514	2126	1708	1762	3052	4012	4617	5330	2408	7666	6943	6407
51	1979 Regional Report Surplus Deficit	4276	3723	6640	4482	2686	511	1918	2155	4907	190	1091	8044	6027	1880
52	1980 Regional Report Surplus Deficit	1116	982	4192	3474	1816	-110	2283	1441	2439	2161	3392	8763	8489	5059
53	1981 Regional Report Surplus Deficit	1549	1632	4357	3385	2638	3805	5005	6199	3468	-816	-542	7467	8920	7030
54	1982 Regional Report Surplus Deficit	6176	6135	5236	3903	3137	1859	4342	7211	8738	5276	2558	7889	9239	7939

Regional Report Surplus Deficit By Water Year

Operating Year 2022

2019 White Book Report Date: **2/6/2020** *Continued*

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Regional Report Surplus Deficit	6262	6800	6854	5549	3362	2672	4866	6637	8076	4130	1900	7591	8257	7519
56	1984 Regional Report Surplus Deficit	6175	6481	5963	4352	5549	3161	4652	5949	7416	3507	4387	7763	9312	7396
57	1985 Regional Report Surplus Deficit	5625	4001	5910	4435	3368	1973	2707	3553	3254	3159	3153	7298	5722	2628
58	1986 Regional Report Surplus Deficit	1379	981	4416	4711	4007	2100	3847	6565	8677	5418	4228	7112	7979	4352
59	1987 Regional Report Surplus Deficit	2995	1763	4245	3418	2822	2018	1983	1608	4234	276	552	7340	5792	1519
60	1988 Regional Report Surplus Deficit	1420	911	3828	2869	799	-443	-786	429	1694	-460	-169	4358	5748	4137
61	1989 Regional Report Surplus Deficit	1926	1194	4009	3271	1966	1035	434	-387	4520	2435	4771	7232	6106	3359
62	1990 Regional Report Surplus Deficit	1598	1095	4230	3498	2650	2566	3378	5516	5518	2757	4452	7003	8186	5818
63	1991 Regional Report Surplus Deficit	4664	4528	4336	3371	5080	3261	4770	5796	5508	3425	1947	7167	7984	7178
64	1992 Regional Report Surplus Deficit	6118	5242	4486	3344	2118	-228	1178	1965	2828	-1029	-1076	6507	4518	644
65	1993 Regional Report Surplus Deficit	867	581	3474	2944	1446	77.2	-176	-1067	3052	19.7	-1487	7590	7083	4775
66	1994 Regional Report Surplus Deficit	2072	1740	3824	3499	2118	175	0.50	1382	1899	-608	930	6218	5534	3715
67	1995 Regional Report Surplus Deficit	1503	793	3928	3212	1100	261	2047	4243	6043	909	-1455	7645	8391	5939
68	1996 Regional Report Surplus Deficit	3685	2134	5100	5265	5805	4450	5769	7499	8841	5908	5891	8110	8560	7270
69	1997 Regional Report Surplus Deficit	5875	5597	5183	3909	2938	3263	5777	6967	8792	6093	5736	8996	8813	7506
70	1998 Regional Report Surplus Deficit	5955	6834	6844	7791	4581	2036	2889	5608	4648	244	-374	8752	8964	6342
71	1999 Regional Report Surplus Deficit	5343	4988	4390	3716	1797	3042	5339	6745	8298	3155	3797	7541	9022	7734
72	2000 Regional Report Surplus Deficit	6993	7434	5470	3987	5441	3877	3714	4882	5737	5123	5058	7465	5610	5457
73	2001 Regional Report Surplus Deficit	4453	1849	4146	3597	1861	53.3	510	919	1808	-731	-2429	3410	3661	968
74	2002 Regional Report Surplus Deficit	986	9.59	2560	2067	1451	783	257	1537	2776	1921	3897	6755	8435	6891
75	2003 Regional Report Surplus Deficit	2936	2602	4330	3575	2180	34.5	523	2408	5530	1387	1085	5540	8228	3533
76	2004 Regional Report Surplus Deficit	1092	856	3294	2840	2458	1545	1022	979	3116	796	587	6205	6849	3626
77	2005 Regional Report Surplus Deficit	945	1844	5364	4098	2347	1926	2574	4456	2936	-1019	-1121	6354	6606	4424
78	2006 Regional Report Surplus Deficit	1921	1241	3701	3044	2497	1513	4276	6041	5322	5930	4824	8582	8691	5130
79	2007 Regional Report Surplus Deficit	2297	1155	3124	3052	2531	1694	3474	3735	7139	3324	1167	7487	7352	5447
80	2008 Regional Report Surplus Deficit	1742	919	2844	2906	2239	423	1191	2054	3278	719	-607	7560	9483	6827

Ranked Averages

81	**Bottom 10 pct**	**909**	**531**	**3476**	**2851**	**1851**	**1259**	**1262**	**1990**	**2890**	**640**	**27.2**	**6195**	**7098**	**4638**
82	**Middle 80 pct**	**3714**	**3077**	**4687**	**4032**	**2704**	**1772**	**3062**	**4288**	**5108**	**2604**	**2237**	**7238**	**7771**	**5404**
83	**Top 10 pct**	**6582**	**6903**	**6228**	**4419**	**3780**	**2598**	**3744**	**4934**	**5213**	**2962**	**1477**	**6307**	**7021**	**4966**

Regional Report Surplus Deficit By Water Year

Operating Year 2023

2019 White Book Report Date: **2/6/2020**

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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	2951	3212	4075	3280	1660	-577	-297	689	1693	55.2	-1120	2262	5611	1253
2	1930 Regional Report Surplus Deficit	1257	668	3808	2964	933	-773	-1517	694	1601	526	-834	2061	3135	3160
3	1931 Regional Report Surplus Deficit	1526	1039	3624	2928	1368	-622	-1452	206	1607	498	-1517	2371	2151	2179
4	1932 Regional Report Surplus Deficit	1468	72.6	3596	2547	957	-668	-324	-1925	4451	4259	5724	7805	6649	5384
5	1933 Regional Report Surplus Deficit	3294	3053	4438	3106	1387	1856	3403	4524	4823	2796	1440	5942	7715	6941
6	1934 Regional Report Surplus Deficit	5627	5575	4918	4251	5337	5673	5890	6629	7438	7054	5249	6455	5021	1726
7	1935 Regional Report Surplus Deficit	1115	1404	3010	2713	986	134	3232	4392	4806	1361	2322	5767	4582	5476
8	1936 Regional Report Surplus Deficit	5030	2170	3751	2940	1461	-740	-1228	-293	2045	780	4288	8197	6434	4347
9	1937 Regional Report Surplus Deficit	1570	1457	3145	3087	1210	-674	-1699	-791	1120	162	-1385	2000	4759	2568
10	1938 Regional Report Surplus Deficit	1976	793	3993	2970	1392	862	2600	4019	5836	4791	6078	7291	5754	5799
11	1939 Regional Report Surplus Deficit	1727	1415	3862	3053	1373	-526	1712	2451	3254	1695	2996	5890	4121	3498
12	1940 Regional Report Surplus Deficit	1204	1268	3415	3060	1652	938	1724	1836	5597	3393	1738	6187	3899	1113
13	1941 Regional Report Surplus Deficit	434	160	3392	2807	1250	419	418	1301	2757	34.8	-1581	1912	3032	1723
14	1942 Regional Report Surplus Deficit	796	129	3569	2459	1861	2807	2688	3488	1864	376	772	3935	6559	6133
15	1943 Regional Report Surplus Deficit	3309	3576	4800	3158	1187	327	3867	4767	5993	8068	6728	6495	7493	7006
16	1944 Regional Report Surplus Deficit	4026	3247	4235	3147	1376	-386	581	778	1368	392	-1758	1551	2232	258
17	1945 Regional Report Surplus Deficit	538	-409	2474	2167	903	-652	-595	123	1615	110	-1462	5050	6513	2015
18	1946 Regional Report Surplus Deficit	1570	1382	3675	2927	1425	968	2451	3733	4992	6002	6380	7375	5913	6361
19	1947 Regional Report Surplus Deficit	4803	4218	4759	3094	2446	4656	4875	5790	6457	4633	3016	7354	6296	5891
20	1948 Regional Report Surplus Deficit	3196	2719	4391	6941	4224	2774	4665	5301	4797	3624	5025	8548	7377	6453
21	1949 Regional Report Surplus Deficit	5599	5579	5238	3716	2028	686	2155	3342	6551	4629	5473	7908	5803	2243
22	1950 Regional Report Surplus Deficit	994	788	3434	2930	1435	1125	4592	5768	7063	6216	4283	6410	7602	7338
23	1951 Regional Report Surplus Deficit	5665	5682	5208	4870	4822	4968	5862	7199	7707	6893	5084	7260	6172	6693
24	1952 Regional Report Surplus Deficit	4946	2996	4734	6304	3367	2869	4403	5623	4903	6441	7020	8420	6424	5828
25	1953 Regional Report Surplus Deficit	3297	2449	3324	3105	931	-883	986	6465	3885	238	539	6520	7867	7012
26	1954 Regional Report Surplus Deficit	3980	3806	4747	3635	2403	1877	4139	6052	5825	3790	2989	7209	6568	7141
27	1955 Regional Report Surplus Deficit	5920	5654	7188	3806	3415	1784	1275	2181	909	687	-493	4993	7570	7168
28	1956 Regional Report Surplus Deficit	5488	4700	4587	4104	4054	4708	5630	6549	7552	5987	6792	8286	7417	6749
29	1957 Regional Report Surplus Deficit	5187	5281	4889	4057	2011	2250	2648	2327	5719	6021	3356	9117	7552	4785
30	1958 Regional Report Surplus Deficit	3889	1948	3857	3047	1550	691	3670	4790	4643	2548	4271	8091	7020	4236
31	1959 Regional Report Surplus Deficit	3458	1606	3981	3490	3216	4007	5525	6332	5552	5472	3394	6632	6821	6841
32	1960 Regional Report Surplus Deficit	5426	5677	8212	8348	5501	3695	3906	4486	5076	7167	4768	5888	6544	5362
33	1961 Regional Report Surplus Deficit	4485	2073	4151	3497	2314	1041	3207	5122	6594	4873	2162	6776	6580	4354
34	1962 Regional Report Surplus Deficit	3336	1986	3750	3015	1716	855	3273	4663	2629	3102	5872	6720	5911	4401
35	1963 Regional Report Surplus Deficit	4038	3271	4120	4431	3485	3538	3866	4952	2945	1477	119	6274	6814	5224
36	1964 Regional Report Surplus Deficit	3248	2469	4871	3002	1812	1029	2051	3034	2022	2734	1237	6548	8217	7154
37	1965 Regional Report Surplus Deficit	5458	5606	5864	4685	2989	4819	5850	6964	7492	2831	6646	7380	6808	5974
38	1966 Regional Report Surplus Deficit	5404	5416	4191	3887	2122	1514	3074	4027	3021	3823	2474	5237	5808	5145
39	1967 Regional Report Surplus Deficit	3617	1939	4152	2907	1517	2145	4796	5832	6042	3490	95.4	6298	7399	6729
40	1968 Regional Report Surplus Deficit	4642	4524	4842	3618	2644	1519	3741	5492	6492	363	-503	5201	6589	5623
41	1969 Regional Report Surplus Deficit	4808	5330	6317	4937	4259	2838	5334	6266	6268	6188	5984	8122	6677	5969
42	1970 Regional Report Surplus Deficit	3248	1799	4190	3797	2118	417	3511	5072	3824	925	-151	6418	7494	4673
43	1971 Regional Report Surplus Deficit	2438	1882	3680	3126	1600	1226	5607	6762	7720	5943	4779	8366	8052	7146
44	1972 Regional Report Surplus Deficit	5785	5781	5317	4206	2429	2028	5259	6796	8615	7741	4273	7830	7474	6998
45	1973 Regional Report Surplus Deficit	5736	5688	5517	4009	2508	1459	3140	4118	2626	437	-1723	1847	2976	1369
46	1974 Regional Report Surplus Deficit	901	-597	3175	2750	1483	3000	6119	6738	8210	6987	5829	6981	7947	7391
47	1975 Regional Report Surplus Deficit	5892	5724	5303	3048	1702	622	3293	4432	6095	1518	951	6860	7848	7335
48	1976 Regional Report Surplus Deficit	4778	5077	5557	5316	4713	5741	5630	6447	6771	6740	4549	8148	6785	6989
49	1977 Regional Report Surplus Deficit	5925	5837	8172	4105	1773	-249	725	1028	1258	129	-1911	1501	1958	-147
50	1978 Regional Report Surplus Deficit	349	-539	2118	1696	1265	1293	2823	3636	4453	6067	3020	7170	5285	5960
51	1979 Regional Report Surplus Deficit	3915	3413	6212	4045	2215	-29.9	1644	1782	4723	1000	1662	7196	4336	1563
52	1980 Regional Report Surplus Deficit	743	544	3801	3037	1366	-643	2006	1071	2309	2971	4059	8197	6871	4696
53	1981 Regional Report Surplus Deficit	1213	1231	3957	2945	2159	3488	4897	5882	3295	17.4	27.9	6690	7248	6519
54	1982 Regional Report Surplus Deficit	5490	5557	4839	3465	2652	1367	4148	7005	8409	6100	2934	7345	7663	7401

Regional Report Surplus Deficit By Water Year

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2019 White Book Report Date: **2/6/2020** *Continued*

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Regional Report Surplus Deficit	5606	5766	6430	5110	2877	2258	4693	6319	7768	4869	2499	6767	6600	6988
56	1984 Regional Report Surplus Deficit	5533	5777	5557	3915	5245	2790	4466	5635	7216	4318	5144	6926	7818	6883
57	1985 Regional Report Surplus Deficit	5103	3694	5506	3998	2886	1485	2439	3175	3082	3947	3816	6342	4083	2311
58	1986 Regional Report Surplus Deficit	1019	529	4012	4273	3562	1638	3625	6236	8362	6151	4963	6147	6329	4023
59	1987 Regional Report Surplus Deficit	2701	1377	3848	2975	2345	1542	1698	1237	4053	1105	1127	6559	4132	1206
60	1988 Regional Report Surplus Deficit	1042	455	3436	2436	352	-972	-1095	60.0	1579	373	395	2805	4107	3795
61	1989 Regional Report Surplus Deficit	1622	817	3620	2835	1515	516	122	-746	4348	3303	5585	6276	4495	3042
62	1990 Regional Report Surplus Deficit	1239	698	3830	3062	2178	2180	3148	5153	5353	3610	5210	6326	6450	5429
63	1991 Regional Report Surplus Deficit	4242	4209	3941	2931	4778	2943	4653	5452	5384	4174	2471	6331	6307	6617
64	1992 Regional Report Surplus Deficit	5454	4895	4092	2908	1663	-759	880	1593	2670	-209	-503	5467	2872	331
65	1993 Regional Report Surplus Deficit	523	174	3083	2508	988	-463	-490	-1424	2894	849	-890	6796	5413	4422
66	1994 Regional Report Surplus Deficit	1756	1402	3419	3061	1652	-363	-313	1010	1789	195	1498	4974	3865	3388
67	1995 Regional Report Surplus Deficit	1179	378	3540	2777	664	-279	1764	3911	5872	1734	-867	6703	6844	5518
68	1996 Regional Report Surplus Deficit	3378	1802	4703	4827	5679	5480	6087	7323	8475	6656	6772	7646	6870	6729
69	1997 Regional Report Surplus Deficit	5266	5232	4784	3471	2459	2903	6069	6741	8420	6896	6646	8454	7239	6947
70	1998 Regional Report Surplus Deficit	5336	5704	6418	7482	4187	1547	2627	5294	4469	1074	199	8003	7409	5900
71	1999 Regional Report Surplus Deficit	4850	4664	3997	3278	1361	2663	5198	6421	7999	3889	4485	6692	7399	7146
72	2000 Regional Report Surplus Deficit	6195	5940	5075	3551	5188	3579	3488	4568	5543	5860	5870	6635	3994	5043
73	2001 Regional Report Surplus Deficit	4068	1451	3755	3158	1413	-487	205	549	1697	102	-1815	1793	1995	665
74	2002 Regional Report Surplus Deficit	685	-414	2163	1636	1009	255	-56.6	1165	2627	2738	4608	5708	6706	6391
75	2003 Regional Report Surplus Deficit	2642	2275	3936	3141	1717	-506	211	2036	5361	2212	1673	4204	6657	3217
76	2004 Regional Report Surplus Deficit	732	404	2898	2408	1977	1055	718	609	2964	1630	1172	4977	5178	3298
77	2005 Regional Report Surplus Deficit	537	1499	4951	3660	1871	1497	2343	4106	2778	-185	-546	5190	4920	4083
78	2006 Regional Report Surplus Deficit	1615	853	3303	2604	2018	1021	4081	5699	5173	6713	5613	7811	6999	4699
79	2007 Regional Report Surplus Deficit	1981	728	2724	2615	2052	1207	3251	3368	6936	4089	1748	6688	5642	5041
80	2008 Regional Report Surplus Deficit	1374	468	2377	2472	1765	-113	891	1681	3116	1539	-29.9	6747	7869	6363

Ranked Averages

81	**Bottom 10 pct**	**568**	**177**	**3110**	**2490**	**1329**	**345**	**896**	**1323**	**2800**	**1777**	**1048**	**5625**	**5490**	**4074**
82	**Middle 80 pct**	**3299**	**2669**	**4285**	**3592**	**2274**	**1447**	**2881**	**3993**	**4916**	**3363**	**2861**	**6326**	**6134**	**4998**
83	**Top 10 pct**	**5843**	**5735**	**5837**	**3981**	**3397**	**2483**	**3617**	**4619**	**5024**	**3790**	**2162**	**5423**	**5377**	**4523**

Regional Report Surplus Deficit By Water Year

Operating Year 2024

2019 White Book Report Date: **2/6/2020**

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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	2786	3036	3914	2820	1434	-802	-432	1026	1185	341	-1326	3029	7174	1157
2	1930 Regional Report Surplus Deficit	1077	498	3639	2491	730	-1002	-1765	1036	1086	827	-1057	2819	4355	3029
3	1931 Regional Report Surplus Deficit	1369	882	3453	2448	1172	-853	-1679	547	1097	786	-1718	3087	3348	2030
4	1932 Regional Report Surplus Deficit	1310	-87.7	3425	2087	700	-892	-467	-1407	3887	4527	5626	9136	8298	5435
5	1933 Regional Report Surplus Deficit	3103	2884	4273	2635	1126	1069	2741	4868	4211	3106	1216	7181	9368	7343
6	1934 Regional Report Surplus Deficit	4796	5144	4760	3770	4205	3673	5055	7373	6866	7265	5110	7707	6620	1599
7	1935 Regional Report Surplus Deficit	907	1257	2844	2238	638	-137	2680	4569	4199	1644	2092	6932	5954	5521
8	1936 Regional Report Surplus Deficit	4407	2031	3584	2476	1234	-965	-1482	70.4	1554	1066	4122	9513	8021	4262
9	1937 Regional Report Surplus Deficit	1368	1276	2987	2614	1018	-902	-1954	-418	580	447	-1587	2767	6158	2426
10	1938 Regional Report Surplus Deficit	1818	612	3824	2504	1141	487	2130	4290	5214	5079	6017	8612	7358	5931
11	1939 Regional Report Surplus Deficit	1534	1223	3692	2582	1109	-763	1452	2734	2784	1978	2779	6998	5376	3367
12	1940 Regional Report Surplus Deficit	965	1075	3250	2577	1460	428	1371	2163	4976	3673	1501	7361	5192	1017
13	1941 Regional Report Surplus Deficit	139	-82.1	3221	2335	1030	69.7	522	1296	2285	336	-1785	2663	4300	1575
14	1942 Regional Report Surplus Deficit	644	-23.2	3402	1999	1631	1734	2181	3714	1359	640	528	4843	8210	6364
15	1943 Regional Report Surplus Deficit	3015	3369	4648	2678	875	76.0	3161	5073	5376	8490	6732	7767	9237	7455
16	1944 Regional Report Surplus Deficit	3708	3089	4072	2703	1146	-612	439	1114	828	677	-2012	2318	3485	147
17	1945 Regional Report Surplus Deficit	382	-616	2304	1703	680	-882	-780	495	1086	396	-1688	6109	8167	1902
18	1946 Regional Report Surplus Deficit	1403	1211	3510	2479	1208	570	2154	3791	4421	6319	6309	8688	7412	6588
19	1947 Regional Report Surplus Deficit	4230	3809	4598	2655	2249	2984	4046	6165	5814	4870	2802	8739	7886	6039
20	1948 Regional Report Surplus Deficit	2997	2583	4232	6306	3668	1741	3816	5721	4249	3854	4894	9800	8911	6725
21	1949 Regional Report Surplus Deficit	4758	5279	5089	3244	1837	331	1698	3562	5932	4857	5362	9217	7355	2088
22	1950 Regional Report Surplus Deficit	700	506	3275	2481	1189	577	3761	6252	6455	6530	4109	7666	9307	7772
23	1951 Regional Report Surplus Deficit	4850	5182	5055	4389	4141	3250	4976	7945	7143	7218	4850	8570	7770	7109
24	1952 Regional Report Surplus Deficit	4398	2855	4580	5763	3049	1835	3567	6040	4319	6763	6974	9700	8158	5951
25	1953 Regional Report Surplus Deficit	3044	2312	3168	2646	706	-1108	849	7018	3395	524	272	7755	9484	7409
26	1954 Regional Report Surplus Deficit	3659	3602	4580	3149	2190	1186	3407	6560	5214	4055	2770	8495	8234	7598
27	1955 Regional Report Surplus Deficit	5012	5956	7039	3333	3038	1001	1081	2471	369	983	-724	6077	9263	7627
28	1956 Regional Report Surplus Deficit	4704	4386	4422	3611	3545	3016	4697	7176	6983	6298	6642	9530	8959	7017
29	1957 Regional Report Surplus Deficit	4542	4852	4728	3579	1811	1456	2136	2618	5063	6258	3153	10169	9170	4735
30	1958 Regional Report Surplus Deficit	3612	1798	3687	2589	1332	376	3034	5079	4047	2793	4091	9349	8745	4168
31	1959 Regional Report Surplus Deficit	3237	1464	3811	3006	2883	2544	4595	6967	4907	5716	3188	7894	8519	7209
32	1960 Regional Report Surplus Deficit	4690	5335	7952	7401	4312	2244	3130	4789	4512	7480	4571	7030	8191	5438
33	1961 Regional Report Surplus Deficit	4046	1927	3988	3028	2113	588	2579	5470	5946	5119	1934	8061	8239	4300
34	1962 Regional Report Surplus Deficit	3112	1851	3582	2567	1505	449	2658	4993	2144	3325	5757	8028	7560	4325
35	1963 Regional Report Surplus Deficit	3698	3111	3954	3936	3117	2244	3088	5270	2459	1791	-116	7403	8496	5267
36	1964 Regional Report Surplus Deficit	3007	2334	4712	2545	1604	588	1728	3283	1528	3026	960	7867	9800	7628
37	1965 Regional Report Surplus Deficit	4703	5101	5734	4207	2718	3061	5056	7739	6939	3089	6644	8681	8397	6091
38	1966 Regional Report Surplus Deficit	4684	4971	4037	3408	1916	906	2529	4293	2549	4132	2243	6304	7390	5151
39	1967 Regional Report Surplus Deficit	3340	1793	3988	2445	1277	1342	3932	6360	5388	3785	-221	7539	9069	7078
40	1968 Regional Report Surplus Deficit	4167	4233	4681	3144	2396	892	3091	5883	5835	628	-731	6252	8204	5695
41	1969 Regional Report Surplus Deficit	4257	4886	6196	4459	3695	1793	4414	6924	5661	6506	5921	9435	8261	6127
42	1970 Regional Report Surplus Deficit	3053	1642	4025	3310	1931	142	2916	5434	3323	1210	-383	7655	9114	4560
43	1971 Regional Report Surplus Deficit	2288	1732	3519	2665	1382	740	4686	7541	7182	6252	4649	9564	9599	7590
44	1972 Regional Report Surplus Deficit	4970	5722	5163	3728	2244	1328	4350	7433	8435	7979	4036	9169	9130	7427
45	1973 Regional Report Surplus Deficit	4890	5804	5370	3531	2317	935	2605	4387	2146	723	-1978	2614	4271	1231
46	1974 Regional Report Surplus Deficit	748	-825	3009	2290	1229	1910	5468	7626	7812	7271	5766	8278	9520	7784
47	1975 Regional Report Surplus Deficit	5017	5841	5151	2608	1469	333	2736	4721	5411	1810	695	8096	9467	7760
48	1976 Regional Report Surplus Deficit	4296	4734	5420	4840	4041	3736	4703	7094	6163	7076	4405	9460	8489	7438
49	1977 Regional Report Surplus Deficit	5100	6160	9055	3626	1556	-479	530	1359	717	414	-2166	2249	3211	-242
50	1978 Regional Report Surplus Deficit	193	-736	1969	1257	1024	725	2335	3875	3877	6292	2802	8385	6801	6081
51	1979 Regional Report Surplus Deficit	3522	3119	6090	3564	2019	-258	1305	2109	4182	1300	1429	8511	5636	1442
52	1980 Regional Report Surplus Deficit	510	304	3632	2563	1144	-888	1699	1407	1807	3228	3879	9569	8520	4617
53	1981 Regional Report Surplus Deficit	1025	1036	3797	2474	1963	2227	3994	6368	2810	303	-219	7983	8962	6896
54	1982 Regional Report Surplus Deficit	4688	5194	4680	2988	2407	839	3405	7740	8183	6355	2720	8659	9341	7830

Regional Report Surplus Deficit By Water Year

Operating Year 2024

2019 White Book Report Date: **2/6/2020** *Continued*

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Regional Report Surplus Deficit	4848	5723	6302	4633	2636	1465	3877	6790	7193	5113	2273	8105	8331	7400
56	1984 Regional Report Surplus Deficit	4794	5517	5411	3428	4433	1822	3694	6040	6540	4520	5049	8252	9467	7263
57	1985 Regional Report Surplus Deficit	4536	3517	5358	3526	2665	958	2006	3418	2607	4206	3633	7563	5384	2173
58	1986 Regional Report Surplus Deficit	725	248	3856	3779	3203	979	2996	6673	7896	6467	4839	7364	7863	3877
59	1987 Regional Report Surplus Deficit	2545	1200	3687	2539	2145	938	1424	1566	3552	1405	876	7853	5501	1110
60	1988 Regional Report Surplus Deficit	802	188	3271	1972	127	-1223	-1318	408	1070	658	147	3538	5361	3674
61	1989 Regional Report Surplus Deficit	1468	650	3450	2374	1297	164	-8.92	-330	3826	3489	5483	7500	5797	2886
62	1990 Regional Report Surplus Deficit	1023	509	3671	2588	1991	1272	2585	5582	4773	3866	5064	7529	8100	5477
63	1991 Regional Report Surplus Deficit	3839	3945	3776	2484	3963	1764	3754	5896	4734	4485	2253	7506	7968	7048
64	1992 Regional Report Surplus Deficit	4681	4534	3926	2451	1452	-1012	820	1725	2191	76.0	-737	6622	4130	235
65	1993 Regional Report Surplus Deficit	324	-28.0	2919	2043	786	-694	-635	-985	2419	1153	-1105	8159	6988	4324
66	1994 Regional Report Surplus Deficit	1607	1265	3265	2594	1462	-611	-460	1339	1276	450	1237	5967	5158	3259
67	1995 Regional Report Surplus Deficit	1004	167	3369	2305	400	-512	1488	4150	5234	2037	-1089	7939	8546	5608
68	1996 Regional Report Surplus Deficit	3184	1666	4543	4335	4348	3908	5323	8161	8249	6974	6688	8935	8666	7130
69	1997 Regional Report Surplus Deficit	4570	4807	4625	3008	2263	1888	5275	7666	8169	7127	6586	9554	8743	7419
70	1998 Regional Report Surplus Deficit	4633	5720	6294	6756	3674	1014	2212	5686	3931	1368	-34.5	9325	9094	6027
71	1999 Regional Report Surplus Deficit	4329	4377	3831	2821	1086	1729	4338	7023	7396	4135	4322	7970	9130	7577
72	2000 Regional Report Surplus Deficit	5283	6211	4914	3071	4219	2290	2885	4869	4948	6165	5723	7881	5224	5079
73	2001 Regional Report Surplus Deficit	3726	1262	3588	2691	1186	-711	205	674	1186	388	-2070	2560	3248	534
74	2002 Regional Report Surplus Deficit	533	-637	2017	1198	771	-43.7	-193	1493	2148	3065	4465	6858	8471	6707
75	2003 Regional Report Surplus Deficit	2488	2140	3770	2658	1523	-731	80.8	2311	4719	2517	1426	5128	8233	3070
76	2004 Regional Report Surplus Deficit	438	143	2747	1935	1742	535	573	953	2489	1932	912	5982	6734	3166
77	2005 Regional Report Surplus Deficit	257	1357	4812	3180	1663	761	1828	4407	2300	100	-776	6245	6408	3965
78	2006 Regional Report Surplus Deficit	1458	674	3147	2145	1819	523	3412	6027	4593	7019	5552	9186	8666	4721
79	2007 Regional Report Surplus Deficit	1751	434	2586	2166	1821	670	2629	3598	6318	4356	1513	7984	7298	5057
80	2008 Regional Report Surplus Deficit	1147	187	2248	1994	1570	-373	727	1995	2638	1848	-260	8095	9519	6602

Ranked Averages

81	**Bottom 10 pct**	**347**	**-36.8**	**2952**	**2027**	**1105**	**-52.3**	**669**	**1618**	**2302**	**2063**	**838**	**6746**	**7049**	**4042**
82	**Middle 80 pct**	**2933**	**2439**	**4101**	**3094**	**1990**	**812**	**2360**	**4410**	**4367**	**3678**	**2725**	**7502**	**7663**	**5028**
83	**Top 10 pct**	**4996**	**5825**	**6006**	**3615**	**2702**	**1265**	**2880**	**4997**	**4545**	**3801**	**1589**	**6595**	**7083**	**5424**

Regional Report Surplus Deficit By Water Year

Operating Year 2025

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Regional Report Surplus Deficit	2532	2746	3687	2698	1333	-894	-532	257	1091	-941	-2155	1628	5789	1048
2	1930 Regional Report Surplus Deficit	902	231	3420	2369	627	-1093	-1804	271	993	-451	-1886	1407	2949	2905
3	1931 Regional Report Surplus Deficit	1135	595	3236	2326	1069	-948	-1727	-220	1013	-487	-2547	1731	1988	1909
4	1932 Regional Report Surplus Deficit	1050	-370	3208	1964	601	-985	-558	-2103	3741	3156	4710	7888	6866	5253
5	1933 Regional Report Surplus Deficit	2880	2585	4067	2513	1028	960	2598	4081	4089	1786	410	5959	8029	7224
6	1934 Regional Report Surplus Deficit	5612	5168	4552	3644	4076	3552	4913	6604	6697	5865	4147	6451	5158	1465
7	1935 Regional Report Surplus Deficit	793	954	2630	2116	550	-234	2536	3779	4045	375	1262	5705	4584	5345
8	1936 Regional Report Surplus Deficit	4874	1713	3367	2354	1133	-1057	-1519	-684	1453	-277	3287	8283	6537	4118
9	1937 Regional Report Surplus Deficit	1241	1027	2779	2491	914	-997	-1990	-1167	498	-834	-2416	1366	4785	2261
10	1938 Regional Report Surplus Deficit	1588	363	3606	2382	1042	385	1982	3499	5028	3805	5130	7394	5970	5712
11	1939 Regional Report Surplus Deficit	1388	990	3479	2460	1010	-853	1311	1946	2669	676	1951	5764	3953	3215
12	1940 Regional Report Surplus Deficit	917	843	3036	2454	1356	323	1225	1382	4831	2356	672	6135	3777	908
13	1941 Regional Report Surplus Deficit	175	-241	3004	2212	926	-31.3	396	523	2173	-950	-2614	1301	2922	1457
14	1942 Regional Report Surplus Deficit	386	-319	3190	1877	1526	1622	2034	2922	1274	-614	-300	3545	6749	6164
15	1943 Regional Report Surplus Deficit	2943	3115	4457	2556	781	-21.2	3020	4284	5166	7223	5833	6546	7789	7252
16	1944 Regional Report Surplus Deficit	3676	2778	3847	2581	1046	-704	313	343	746	-604	-2777	916	2080	36.2
17	1945 Regional Report Surplus Deficit	145	-827	2088	1581	579	-977	-846	-256	1010	-886	-2481	4864	6668	1776
18	1946 Regional Report Surplus Deficit	1196	946	3290	2357	1107	467	2006	2999	4252	5032	5412	7473	5969	6436
19	1947 Regional Report Surplus Deficit	4563	3765	4386	2533	2144	2867	3916	5385	5654	3582	1971	7496	6401	5852
20	1948 Regional Report Surplus Deficit	2785	2253	4011	6168	3559	1630	3683	4938	4100	2486	4058	8548	7488	6480
21	1949 Regional Report Surplus Deficit	5608	5353	4900	3121	1733	229	1550	2771	5770	3548	4525	8019	5928	1948
22	1950 Regional Report Surplus Deficit	736	402	3059	2359	1089	473	3627	5473	6293	5244	3275	6392	7915	7620
23	1951 Regional Report Surplus Deficit	5652	5171	4854	4262	4028	3133	4840	7176	7011	5931	3922	7345	6306	6886
24	1952 Regional Report Surplus Deficit	4740	2528	4359	5628	2943	1723	3433	5257	4150	5476	6113	8492	6732	5810
25	1953 Regional Report Surplus Deficit	2910	1989	2962	2524	604	-1200	726	6244	3263	-757	-526	6533	8085	7231
26	1954 Regional Report Surplus Deficit	3629	3345	4370	3026	2086	1079	3267	5782	5037	2727	1939	7261	6813	7427
27	1955 Regional Report Surplus Deficit	5976	6472	6770	3210	2932	893	946	1683	287	-306	-1552	4838	7871	7486
28	1956 Regional Report Surplus Deficit	5449	4230	4205	3487	3437	2899	4566	6405	6837	5012	5761	8322	7647	6907
29	1957 Regional Report Surplus Deficit	5048	4779	4517	3455	1708	1348	1988	1831	4894	4924	2321	9051	7802	4574
30	1958 Regional Report Surplus Deficit	3514	1500	3470	2467	1230	275	2890	4289	3918	1515	3257	8130	7268	3976
31	1959 Regional Report Surplus Deficit	3055	1151	3593	2884	2777	2429	4465	6195	4735	4375	2356	6643	7168	7088
32	1960 Regional Report Surplus Deficit	5352	5418	7581	7265	4180	2129	2993	3999	4364	6194	3684	5801	6727	5206
33	1961 Regional Report Surplus Deficit	4206	1621	3764	2905	2008	484	2435	4683	5814	3783	1104	6830	6794	4143
34	1962 Regional Report Surplus Deficit	2936	1522	3363	2445	1403	346	2514	4205	2030	2001	4874	6806	6168	4174
35	1963 Regional Report Surplus Deficit	3699	2803	3732	3811	3011	2130	2951	4481	2349	498	-944	6171	6993	5096
36	1964 Regional Report Surplus Deficit	2855	2004	4510	2423	1501	485	1583	2491	1431	1751	130	6645	8436	7494
37	1965 Regional Report Surplus Deficit	5398	5115	5568	4079	2612	2944	4909	6969	6800	1731	5741	7482	7003	5937
38	1966 Regional Report Surplus Deficit	5318	4907	3805	3284	1812	799	2382	3502	2429	2798	1413	5062	5842	4962
39	1967 Regional Report Surplus Deficit	3243	1487	3765	2323	1177	1234	3800	5583	5206	2480	-970	6240	7543	6869
40	1968 Regional Report Surplus Deficit	4386	4063	4482	3021	2291	786	2948	5099	5671	-631	-1559	5005	6825	5550
41	1969 Regional Report Surplus Deficit	4602	4837	5999	4330	3585	1682	4283	6153	5522	5219	4976	8213	6895	5928
42	1970 Regional Report Surplus Deficit	2836	1355	3802	3187	1827	43.0	2770	4647	3207	-65.4	-1211	6433	7764	4437
43	1971 Regional Report Surplus Deficit	2030	1432	3299	2543	1281	636	4554	6772	6980	4967	3740	8386	8235	7415
44	1972 Regional Report Surplus Deficit	5772	5933	4961	3604	2140	1220	4221	6662	8279	6617	3090	7911	7697	7276
45	1973 Regional Report Surplus Deficit	5749	6123	5186	3408	2212	831	2458	3597	2029	-558	-2742	1212	2845	1092
46	1974 Regional Report Surplus Deficit	502	-1005	2789	2167	1130	1798	5303	6854	7698	5988	4864	7074	8165	7676
47	1975 Regional Report Surplus Deficit	5930	6161	4961	2485	1368	234	2590	3930	5252	513	-133	6887	8085	7618
48	1976 Regional Report Surplus Deficit	4530	4597	5239	4711	3929	3616	4573	6323	6032	5790	3570	8269	7070	7285
49	1977 Regional Report Surplus Deficit	6062	6704	8544	3502	1455	-574	394	583	635	-867	-2930	870	1806	-351
50	1978 Regional Report Surplus Deficit	-43.4	-962	1772	1138	924	621	2187	3084	3762	5006	1971	7181	5421	5897
51	1979 Regional Report Surplus Deficit	3551	2945	5892	3439	1915	-353	1160	1328	4070	0.27	611	7290	4269	1312
52	1980 Regional Report Surplus Deficit	449	142	3413	2441	1043	-977	1555	636	1717	1962	3045	8317	7078	4484
53	1981 Regional Report Surplus Deficit	867	807	3574	2352	1858	2113	3865	5589	2680	-978	-1036	6762	7492	6709
54	1982 Regional Report Surplus Deficit	5466	5264	4478	2866	2301	735	3266	6970	8055	5059	1889	7412	7984	7713

Regional Report Surplus Deficit By Water Year

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2019 White Book Report Date: **2/6/2020** *Continued*

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Regional Report Surplus Deficit	5549	5928	6109	4505	2531	1356	3742	6013	7043	3792	1442	6882	6916	7232
56	1984 Regional Report Surplus Deficit	5462	5610	5227	3305	4316	1711	3557	5256	6342	3144	4211	7030	8073	7106
57	1985 Regional Report Surplus Deficit	4909	3228	5174	3403	2560	853	1858	2626	2487	2895	2799	6340	4018	2046
58	1986 Regional Report Surplus Deficit	761	143	3624	3655	3096	872	2852	5894	7771	5180	4003	6142	6511	3742
59	1987 Regional Report Surplus Deficit	2284	944	3464	2417	2040	832	1282	790	3399	119	21.8	6547	4054	1002
60	1988 Regional Report Surplus Deficit	756	64.6	3053	1850	25.7	-1307	-1367	-355	981	-623	-674	2153	3985	3555
61	1989 Regional Report Surplus Deficit	1226	379	3233	2252	1196	62.3	-116	-1059	3704	2159	4596	6278	4429	2758
62	1990 Regional Report Surplus Deficit	926	271	3443	2466	1886	1162	2439	4800	4631	2500	4127	6268	6604	5212
63	1991 Regional Report Surplus Deficit	3942	3761	3554	2362	3846	1651	3624	5115	4549	3118	1422	6271	6471	6837
64	1992 Regional Report Surplus Deficit	5407	4416	3705	2329	1350	-1099	684	946	2081	-1205	-1565	5394	2766	126
65	1993 Regional Report Surplus Deficit	190	-247	2705	1920	683	-789	-725	-1705	2309	-128	-1933	6934	5602	4156
66	1994 Regional Report Surplus Deficit	1366	943	3033	2472	1358	-708	-548	561	1177	-824	411	4704	3781	3125
67	1995 Regional Report Surplus Deficit	816	-38.1	3152	2182	302	-608	1346	3359	5074	768	-1917	6717	7010	5431
68	1996 Regional Report Surplus Deficit	2965	1340	4339	4207	4209	3786	5171	7391	8133	5687	5807	7782	7151	6983
69	1997 Regional Report Surplus Deficit	5162	4724	4415	2885	2158	1777	5128	6893	8040	5693	5616	8305	7416	7219
70	1998 Regional Report Surplus Deficit	5239	5960	6101	6618	3565	909	2065	4902	3794	77.3	-862	8106	7576	5837
71	1999 Regional Report Surplus Deficit	4625	4166	3611	2699	989	1619	4208	6250	7205	2805	3487	6696	7683	7429
72	2000 Regional Report Surplus Deficit	6249	6681	4714	2948	4096	2177	2740	4079	4795	4883	4835	6638	3852	4900
73	2001 Regional Report Surplus Deficit	3730	1025	3369	2568	1085	-805	75.1	-91.7	1105	-893	-2834	1158	1843	411
74	2002 Regional Report Surplus Deficit	284	-825	1821	1078	671	-144	-291	716	2034	1696	3629	5629	6946	6491
75	2003 Regional Report Surplus Deficit	2227	1811	3548	2535	1420	-824	-27.7	1524	4560	1236	597	3838	6804	2926
76	2004 Regional Report Surplus Deficit	474	11.0	2546	1813	1637	430	445	187	2376	668	75.0	4723	5349	3036
77	2005 Regional Report Surplus Deficit	293	1043	4622	3055	1559	653	1681	3617	2193	-1181	-1604	5000	5028	3848
78	2006 Regional Report Surplus Deficit	1224	421	2930	2022	1714	419	3274	5245	4467	5734	4580	7927	7262	4551
79	2007 Regional Report Surplus Deficit	1606	320	2398	2044	1717	565	2484	2806	6141	3059	684	6684	5788	4886
80	2008 Regional Report Surplus Deficit	1073	82.1	2069	1871	1465	-471	594	1210	2536	568	-1088	6872	8125	6411

Ranked Averages

81	**Bottom 10 pct**	**235**	**-279**	**2827**	**1913**	**989**	**-2.74**	**749**	**1192**	**2059**	**613**	**-35.9**	**5347**	**5802**	**4284**
82	**Middle 80 pct**	**3010**	**2258**	**3901**	**2983**	**1862**	**655**	**2188**	**3580**	**4253**	**2362**	**1840**	**6278**	**6252**	**4911**
83	**Top 10 pct**	**5875**	**6051**	**5568**	**3383**	**2788**	**1433**	**2888**	**4289**	**4373**	**2760**	**1079**	**5269**	**5452**	**4546**

Regional Report Surplus Deficit By Water Year

Operating Year 2026

2019 White Book Report Date: **2/6/2020**

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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	2412	2628	3603	2569	1184	-1623	-1453	-684	169	-1186	-2344	2130	6059	129
2	1930 Regional Report Surplus Deficit	760	123	3337	2239	478	-1822	-2725	-671	70.9	-685	-2074	1896	3264	1997
3	1931 Regional Report Surplus Deficit	1002	485	3152	2196	919	-1678	-2648	-1161	80.4	-730	-2735	2186	2242	998
4	1932 Regional Report Surplus Deficit	928	-479	3124	1835	452	-1714	-1480	-3044	2859	3014	4600	8406	7169	4399
5	1933 Regional Report Surplus Deficit	2765	2468	3978	2384	879	231	1677	3140	3182	1602	199	6462	8257	6307
6	1934 Regional Report Surplus Deficit	5495	5058	4463	3515	3926	2823	3992	5662	5843	5739	4084	6987	5497	569
7	1935 Regional Report Surplus Deficit	644	843	2548	1986	400	-964	1614	2838	3171	139	1074	6207	4853	4484
8	1936 Regional Report Surplus Deficit	4765	1600	3284	2225	983	-1787	-2440	-1625	535	-446	3099	8783	6894	3228
9	1937 Regional Report Surplus Deficit	1094	920	2699	2362	764	-1726	-2911	-2109	-431	-1080	-2604	1868	5055	1395
10	1938 Regional Report Surplus Deficit	1454	256	3521	2253	892	-344	1061	2557	4186	3559	4990	7888	6239	4894
11	1939 Regional Report Surplus Deficit	1242	885	3393	2331	861	-1582	390	1004	1759	475	1759	6265	4279	2335
12	1940 Regional Report Surplus Deficit	762	738	2954	2324	1206	-406	304	440	3948	2167	484	6637	4094	-10.7
13	1941 Regional Report Surplus Deficit	7.56	-340	2921	2083	777	-761	-525	-419	1261	-1178	-2803	1752	3205	544
14	1942 Regional Report Surplus Deficit	260	-429	3103	1748	1377	893	1113	1981	342	-882	-488	4048	7081	5326
15	1943 Regional Report Surplus Deficit	2835	2998	4365	2426	632	-751	2099	3342	4349	6978	5706	7048	8120	6420
16	1944 Regional Report Surplus Deficit	3568	2661	3763	2451	896	-1433	-608	-598	-183	-850	-2965	1418	2350	-883
17	1945 Regional Report Surplus Deficit	12.6	-930	2005	1452	429	-1707	-1767	-1197	72.8	-1131	-2669	5366	7038	871
18	1946 Regional Report Surplus Deficit	1058	838	3207	2227	957	-262	1085	2058	3392	4786	5282	7961	6292	5551
19	1947 Regional Report Surplus Deficit	4456	3649	4297	2404	1995	2138	2995	4443	4787	3355	1783	8014	6759	5001
20	1948 Regional Report Surplus Deficit	2671	2137	3924	6039	3410	901	2762	3997	3221	2347	3870	9082	7813	5687
21	1949 Regional Report Surplus Deficit	5489	5243	4808	2991	1584	-500	629	1829	4906	3340	4337	8488	6236	1058
22	1950 Regional Report Surplus Deficit	568	303	2978	2230	940	-257	2706	4531	5430	4998	3087	6946	8187	6742
23	1951 Regional Report Surplus Deficit	5535	5061	4763	4133	3879	2404	3919	6234	6121	5685	3826	7843	6647	6072
24	1952 Regional Report Surplus Deficit	4633	2412	4271	5498	2794	994	2512	4315	3290	5230	5948	8973	7030	4914
25	1953 Regional Report Surplus Deficit	2800	1875	2881	2395	455	-1929	-195	5303	2368	-1003	-744	7035	8383	6372
26	1954 Regional Report Surplus Deficit	3522	3228	4282	2897	1937	350	2346	4841	4186	2549	1751	7770	7105	6565
27	1955 Regional Report Surplus Deficit	5847	6350	6669	3080	2783	164	24.7	741	-642	-533	-1741	5340	8145	6596
28	1956 Regional Report Surplus Deficit	5334	4116	4118	3358	3288	2170	3645	5463	5961	4766	5616	8805	7836	5980
29	1957 Regional Report Surplus Deficit	4938	4667	4429	3326	1559	618	1067	889	4034	4729	2133	9464	8056	3701
30	1958 Regional Report Surplus Deficit	3405	1389	3387	2337	1081	-454	1968	3348	3018	1292	3069	8619	7618	3135
31	1959 Regional Report Surplus Deficit	2943	1038	3509	2754	2628	1700	3543	5254	3879	4191	2168	7174	7392	6172
32	1960 Regional Report Surplus Deficit	5239	5309	7487	7136	4030	1399	2072	3058	3483	5948	3547	6303	7062	4402
33	1961 Regional Report Surplus Deficit	4099	1509	3679	2775	1859	-245	1513	3741	4919	3598	916	7339	7113	3266
34	1962 Regional Report Surplus Deficit	2824	1407	3280	2315	1253	-384	1592	3263	1121	1823	4731	7308	6438	3292
35	1963 Regional Report Surplus Deficit	3592	2686	3649	3682	2861	1401	2030	3540	1435	285	-1132	6673	7367	4231
36	1964 Regional Report Surplus Deficit	2744	1889	4420	2294	1352	-244	661	1550	510	1525	-56.1	7147	8715	6594
37	1965 Regional Report Surplus Deficit	5284	5005	5471	3950	2463	2215	3988	6028	5917	1588	5618	7952	7269	5054
38	1966 Regional Report Surplus Deficit	5206	4796	3719	3155	1662	70.0	1461	2561	1526	2627	1225	5564	6268	4115
39	1967 Regional Report Surplus Deficit	3134	1375	3680	2194	1028	504	2879	4642	4360	2280	-1237	6820	7952	6041
40	1968 Regional Report Surplus Deficit	4280	3948	4392	2892	2142	56.8	2027	4157	4808	-889	-1747	5507	7075	4658
41	1969 Regional Report Surplus Deficit	4495	4726	5898	4201	3436	953	3362	5211	4635	4973	4895	8705	7133	5090
42	1970 Regional Report Surplus Deficit	2722	1246	3718	3057	1678	-686	1849	3706	2296	-304	-1399	6935	7992	3526
43	1971 Regional Report Surplus Deficit	1903	1321	3218	2414	1132	-93.8	3632	5830	6160	4721	3624	8840	8497	6554
44	1972 Regional Report Surplus Deficit	5654	5824	4871	3475	1990	491	3299	5721	7415	6457	3014	8438	8031	6391
45	1973 Regional Report Surplus Deficit	5630	6012	5093	3278	2063	101	1536	2655	1123	-804	-2931	1714	3175	201
46	1974 Regional Report Surplus Deficit	371	-1105	2706	2038	981	1069	4382	5913	6791	5742	4740	7550	8426	6755
47	1975 Regional Report Surplus Deficit	5808	6051	4869	2356	1219	-495	1668	2989	4383	306	-322	7375	8360	6728
48	1976 Regional Report Surplus Deficit	4423	4483	5144	4582	3780	2887	3652	5381	5138	5544	3382	8732	7360	6402
49	1977 Regional Report Surplus Deficit	5932	6578	8463	3372	1305	-1303	-527	-358	-294	-1113	-3119	1336	2075	-1270
50	1978 Regional Report Surplus Deficit	-176	-1067	1692	1008	775	-108	1266	2142	2849	4760	1783	7664	5688	5044
51	1979 Regional Report Surplus Deficit	3443	2828	5793	3309	1765	-1082	238	387	3154	-209	411	7792	4538	412
52	1980 Regional Report Surplus Deficit	296	43.1	3329	2311	893	-1706	633	-305	788	1725	2857	8838	7391	3583
53	1981 Regional Report Surplus Deficit	723	702	3488	2222	1709	1384	2943	4648	1784	-1224	-1235	7263	7842	5858
54	1982 Regional Report Surplus Deficit	5350	5155	4388	2736	2152	5.21	2345	6029	7163	4824	1700	7929	8228	6801

Regional Report Surplus Deficit By Water Year

Operating Year 2026

2019 White Book Report Date: **2/6/2020** *Continued*

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Regional Report Surplus Deficit	5435	5818	6009	4375	2382	627	2821	5072	6170	3596	1254	7384	7203	6364
56	1984 Regional Report Surplus Deficit	5348	5500	5134	3176	4167	982	2636	4315	5515	3011	4023	7532	8352	6226
57	1985 Regional Report Surplus Deficit	4801	3111	5081	3274	2411	123	937	1685	1581	2699	2611	6842	4287	1143
58	1986 Regional Report Surplus Deficit	593	44.3	3540	3525	2947	143	1931	4952	6875	4934	3814	6644	6736	2844
59	1987 Regional Report Surplus Deficit	2162	837	3381	2287	1891	103	361	-151	2525	-102	-140	7133	4399	82.6
60	1988 Regional Report Surplus Deficit	600	-31.7	2970	1721	-124	-2037	-2288	-1297	54.0	-869	-869	2634	4264	2641
61	1989 Regional Report Surplus Deficit	1094	271	3150	2123	1046	-667	-1037	-2001	2798	1987	4457	6780	4698	1855
62	1990 Regional Report Surplus Deficit	776	166	3360	2336	1737	433	1517	3858	3745	2361	4039	6810	6972	4441
63	1991 Regional Report Surplus Deficit	3835	3646	3471	2232	3696	922	2702	4173	3705	2972	1233	6787	6840	6011
64	1992 Regional Report Surplus Deficit	5292	4302	3620	2199	1201	-1829	-237	4.88	1167	-1451	-1753	5896	3035	-793
65	1993 Regional Report Surplus Deficit	43.2	-351	2624	1791	534	-1518	-1646	-2647	1395	-357	-2122	7436	5871	3291
66	1994 Regional Report Surplus Deficit	1233	830	2950	2342	1209	-1437	-1470	-381	260	-1073	220	5206	4060	2227
67	1995 Regional Report Surplus Deficit	676	-141	3069	2053	152	-1337	425	2417	4205	534	-2105	7219	7417	4572
68	1996 Regional Report Surplus Deficit	2851	1225	4249	4077	4060	3056	4250	6450	7229	5441	5662	8208	7538	6094
69	1997 Regional Report Surplus Deficit	5051	4612	4326	2756	2009	1048	4207	5952	7148	5596	5560	8841	7632	6384
70	1998 Regional Report Surplus Deficit	5127	5851	6002	6489	3416	179	1143	3960	2903	-142	-1051	8595	7972	4990
71	1999 Regional Report Surplus Deficit	4518	4050	3528	2570	840	890	3287	5309	6374	2624	3299	7251	8006	6543
72	2000 Regional Report Surplus Deficit	6120	6564	4624	2819	3946	1447	1819	3138	3919	4637	4697	7162	4131	4043
73	2001 Regional Report Surplus Deficit	3623	919	3286	2439	936	-1534	-846	-1033	169	-1139	-3023	1660	2113	-496
74	2002 Regional Report Surplus Deficit	154	-926	1742	949	521	-873	-1212	-226	1125	1564	3441	6131	7343	5669
75	2003 Regional Report Surplus Deficit	2103	1696	3464	2405	1270	-1553	-949	582	3690	1016	408	4340	7104	2039
76	2004 Regional Report Surplus Deficit	306	-85.9	2466	1683	1488	-300	-476	-754	1465	430	-105	5225	5618	2135
77	2005 Regional Report Surplus Deficit	131	931	4528	2926	1409	-76.3	759	2676	1275	-1427	-1793	5502	5298	2932
78	2006 Regional Report Surplus Deficit	1090	314	2849	1893	1564	-311	2353	4304	3564	5488	4526	8456	7537	3686
79	2007 Regional Report Surplus Deficit	1468	219	2319	1914	1567	-164	1563	1865	5293	2844	495	7264	6175	4022
80	2008 Regional Report Surplus Deficit	921	-16.9	1990	1742	1316	-1200	-327	269	1613	343	-1276	7373	8414	5565
Ranked Averages															
81	**Bottom 10 pct**	**90.9**	**-384**	**2743**	**1783**	**839**	**-732**	**-172**	**251**	**1138**	**384**	**-224**	**5842**	**6114**	**3408**
82	**Middle 80 pct**	**2887**	**2147**	**3815**	**2853**	**1713**	**-74.7**	**1267**	**2639**	**3366**	**2148**	**1668**	**6781**	**6550**	**4034**
83	**Top 10 pct**	**5753**	**5937**	**5477**	**3253**	**2639**	**704**	**1966**	**3348**	**3483**	**2547**	**939**	**5774**	**5757**	**3666**

Regional Report Surplus Deficit By Water Year

Operating Year 2027

2019 White Book Report Date: **2/6/2020**

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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	1503	1712	2714	1677	301	-1886	-1623	-813	62.1	-807	-2456	893	4822	34.3
2	1930 Regional Report Surplus Deficit	-149	-794	2447	1347	-405	-2085	-2895	-800	-36.0	-317	-2186	671	1982	1891
3	1931 Regional Report Surplus Deficit	92.5	-431	2262	1304	36.8	-1941	-2818	-1290	-16.1	-353	-2848	996	1021	895
4	1932 Regional Report Surplus Deficit	19.1	-1395	2235	943	-431	-1977	-1650	-3173	2712	3290	4410	7153	5899	4239
5	1933 Regional Report Surplus Deficit	1856	1552	3089	1491	-3.80	-31.9	1507	3011	3060	1919	110	5224	7062	6209
6	1934 Regional Report Surplus Deficit	4585	4141	3573	2623	3044	2560	3822	5534	5668	5999	3846	5716	4191	451
7	1935 Regional Report Surplus Deficit	-265	-73.8	1658	1094	-482	-1227	1444	2709	3016	509	962	4969	3617	4331
8	1936 Regional Report Surplus Deficit	3856	684	2395	1333	101	-2050	-2610	-1754	424	-143	2987	7548	5571	3104
9	1937 Regional Report Surplus Deficit	184	3.99	1809	1470	-118	-1989	-3081	-2238	-531	-700	-2717	631	3819	1247
10	1938 Regional Report Surplus Deficit	545	-660	2631	1360	9.56	-607	891	2428	3999	3939	4830	6658	5003	4698
11	1939 Regional Report Surplus Deficit	333	-31.1	2503	1439	-21.6	-1845	220	875	1640	810	1650	5029	2986	2201
12	1940 Regional Report Surplus Deficit	-148	-179	2065	1432	324	-669	134	311	3802	2490	371	5399	2811	-106
13	1941 Regional Report Surplus Deficit	-902	-1257	2031	1191	-106	-1024	-695	-548	1144	-816	-2915	566	1956	443
14	1942 Regional Report Surplus Deficit	-650	-1346	2213	855	494	630	943	1852	245	-480	-601	2810	5782	5150
15	1943 Regional Report Surplus Deficit	1926	2082	3475	1534	-251	-1014	1929	3213	4137	7357	5533	5811	6822	6238
16	1944 Regional Report Surplus Deficit	2659	1745	2873	1559	13.7	-1696	-778	-727	-283	-470	-3077	181	1114	-978
17	1945 Regional Report Surplus Deficit	-897	-1846	1115	559	-453	-1970	-1937	-1326	-19.0	-752	-2782	4129	5702	762
18	1946 Regional Report Surplus Deficit	149	-78.7	2318	1335	74.6	-525	915	1929	3224	5166	5111	6737	5002	5422
19	1947 Regional Report Surplus Deficit	3546	2733	3408	1511	1112	1875	2825	4314	4625	3716	1670	6761	5435	4838
20	1948 Regional Report Surplus Deficit	1762	1220	3034	5146	2527	638	2592	3868	3071	2620	3757	7812	6522	5466
21	1949 Regional Report Surplus Deficit	4579	4327	3918	2099	701	-763	459	1700	4741	3682	4224	7284	4961	934
22	1950 Regional Report Surplus Deficit	-341	-614	2088	1338	57.5	-520	2536	4402	5264	5377	2974	5657	6948	6606
23	1951 Regional Report Surplus Deficit	4625	4144	3873	3240	2996	2141	3749	6105	5982	6065	3621	6610	5339	5872
24	1952 Regional Report Surplus Deficit	3723	1495	3381	4606	1911	731	2342	4186	3121	5610	5813	7757	5765	4796
25	1953 Regional Report Surplus Deficit	1891	958	1991	1502	-428	-2192	-365	5174	2234	-624	-827	5798	7119	6217
26	1954 Regional Report Surplus Deficit	2612	2312	3393	2004	1054	87.0	2176	4712	4008	2861	1638	6526	5846	6413
27	1955 Regional Report Surplus Deficit	4938	5434	5779	2188	1900	-99.3	-145	612	-742	-172	-1853	4103	6904	6472
28	1956 Regional Report Surplus Deficit	4425	3199	3229	2465	2405	1907	3475	5334	5808	5146	5460	7587	6680	5893
29	1957 Regional Report Surplus Deficit	4028	3751	3539	2433	676	355	897	760	3865	5058	2020	8316	6836	3560
30	1958 Regional Report Surplus Deficit	2496	472	2497	1445	198	-717	1798	3219	2889	1649	2957	7395	6301	2962
31	1959 Regional Report Surplus Deficit	2034	122	2619	1862	1745	1437	3374	5125	3706	4509	2055	5908	6202	6074
32	1960 Regional Report Surplus Deficit	4330	4392	6597	6244	3148	1136	1902	2929	3335	6328	3384	5065	5760	4192
33	1961 Regional Report Surplus Deficit	3190	593	2789	1883	976	-508	1343	3612	4785	3917	804	6094	5828	3129
34	1962 Regional Report Surplus Deficit	1915	491	2390	1423	371	-647	1422	3134	1001	2135	4574	6071	5201	3160
35	1963 Regional Report Surplus Deficit	2683	1769	2759	2789	1979	1138	1860	3411	1321	632	-1244	5436	6026	4082
36	1964 Regional Report Surplus Deficit	1835	973	3531	1401	469	-507	491	1421	402	1885	-171	5909	7470	6480
37	1965 Regional Report Surplus Deficit	4375	4089	4581	3057	1580	1952	3818	5899	5771	1865	5441	6747	6036	4923
38	1966 Regional Report Surplus Deficit	4297	3879	2830	2262	780	-193	1291	2432	1400	2932	1113	4326	4876	3948
39	1967 Regional Report Surplus Deficit	2225	459	2790	1302	145	241	2709	4513	4177	2614	-1270	5505	6576	5855
40	1968 Regional Report Surplus Deficit	3370	3031	3502	1999	1259	-206	1857	4028	4642	-497	-1860	4270	5858	4536
41	1969 Regional Report Surplus Deficit	3585	3809	5009	3309	2553	690	3192	5083	4493	5353	4676	7477	5929	4914
42	1970 Regional Report Surplus Deficit	1812	329	2828	2165	795	-949	1679	3577	2178	68.5	-1511	5698	6797	3423
43	1971 Regional Report Surplus Deficit	993	405	2328	1521	249	-357	3462	5702	5951	5101	3439	7651	7268	6401
44	1972 Regional Report Surplus Deficit	4745	4907	3981	2582	1108	228	3129	5592	7250	6750	2790	7176	6730	6262
45	1973 Regional Report Surplus Deficit	4720	5096	4203	2386	1180	-162	1366	2526	1000	-425	-3043	477	1879	77.5
46	1974 Regional Report Surplus Deficit	-538	-2022	1817	1146	98.3	806	4212	5784	6669	6121	4563	6338	7199	6662
47	1975 Regional Report Surplus Deficit	4898	5134	3979	1464	336	-758	1499	2860	4223	647	-434	6151	7118	6604
48	1976 Regional Report Surplus Deficit	3514	3567	4255	3690	2897	2624	3482	5253	5004	5924	3269	7534	6104	6271
49	1977 Regional Report Surplus Deficit	5023	5662	7573	2480	423	-1566	-697	-487	-394	-733	-3231	135	839	-1365
50	1978 Regional Report Surplus Deficit	-1085	-1983	802	116	-108	-371	1096	2013	2733	5140	1671	6446	4455	4883
51	1979 Regional Report Surplus Deficit	2534	1912	4903	2417	883	-1345	68.3	258	3041	134	310	6554	3302	298
52	1980 Regional Report Surplus Deficit	-614	-873	2439	1419	10.7	-1969	463	-434	688	2096	2745	7582	6112	3470
53	1981 Regional Report Surplus Deficit	-186	-214	2598	1330	826	1121	2774	4519	1651	-845	-1336	6027	6525	5695
54	1982 Regional Report Surplus Deficit	4440	4238	3499	1844	1269	-258	2175	5900	7026	5193	1588	6677	7018	6699

Regional Report Surplus Deficit By Water Year

Operating Year 2027

2019 White Book Report Date: **2/6/2020** *Continued*

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Regional Report Surplus Deficit	4525	4902	5120	3483	1499	364	2651	4943	6014	3926	1142	6146	5949	6218
56	1984 Regional Report Surplus Deficit	4439	4584	4244	2283	3284	719	2466	4186	5313	3278	3911	6294	7106	6092
57	1985 Regional Report Surplus Deficit	3892	2195	4192	2382	1528	-140	767	1556	1458	3029	2498	5605	3051	1032
58	1986 Regional Report Surplus Deficit	-316	-872	2650	2633	2064	-120	1761	4824	6742	5314	3702	5406	5545	2728
59	1987 Regional Report Surplus Deficit	1252	-79.6	2492	1395	1008	-160	191	-280	2370	253	-279	5812	3087	-12.5
60	1988 Regional Report Surplus Deficit	-309	-948	2081	828	-1006	-2300	-2458	-1426	-47.7	-489	-975	1418	3018	2541
61	1989 Regional Report Surplus Deficit	185	-646	2260	1230	164	-930	-1207	-2130	2675	2293	4295	5542	3462	1744
62	1990 Regional Report Surplus Deficit	-134	-751	2470	1444	854	170	1348	3729	3602	2634	3826	5533	5638	4198
63	1991 Regional Report Surplus Deficit	2926	2729	2581	1340	2814	659	2532	4045	3520	3252	1121	5536	5504	5823
64	1992 Regional Report Surplus Deficit	4383	3386	2730	1307	318	-2092	-407	-124	1052	-1071	-1865	4659	1799	-888
65	1993 Regional Report Surplus Deficit	-866	-1267	1734	899	-349	-1781	-1816	-2776	1280	6.18	-2234	6199	4635	3142
66	1994 Regional Report Surplus Deficit	323	-86.8	2060	1450	326	-1700	-1640	-509	148	-690	110	3969	2814	2111
67	1995 Regional Report Surplus Deficit	-233	-1057	2179	1161	-730	-1600	255	2288	4045	902	-2218	5982	6044	4417
68	1996 Regional Report Surplus Deficit	1941	309	3359	3185	3177	2793	4080	6321	7104	5821	5506	7047	6184	5969
69	1997 Regional Report Surplus Deficit	4141	3696	3436	1863	1126	785	4037	5823	7011	5827	5315	7570	6450	6205
70	1998 Regional Report Surplus Deficit	4218	4935	5112	5596	2533	-83.5	973	3831	2765	211	-1163	7370	6610	4823
71	1999 Regional Report Surplus Deficit	3609	3134	2638	1677	-42.8	627	3117	5180	6176	2939	3186	5961	6717	6415
72	2000 Regional Report Surplus Deficit	5211	5647	3735	1926	3064	1184	1649	3009	3766	5016	4535	5903	2886	3886
73	2001 Regional Report Surplus Deficit	2714	2.97	2396	1547	52.9	-1797	-1016	-1162	76.0	-760	-3135	423	877	-603
74	2002 Regional Report Surplus Deficit	-755	-1842	852	56.4	-361	-1136	-1382	-354	1005	1830	3329	4894	5979	5476
75	2003 Regional Report Surplus Deficit	1194	780	2575	1513	388	-1816	-1119	453	3531	1369	296	3102	5838	1912
76	2004 Regional Report Surplus Deficit	-603	-1002	1576	791	605	-563	-646	-883	1347	802	-226	3987	4382	2021
77	2005 Regional Report Surplus Deficit	-779	14.3	3639	2034	527	-339	590	2547	1164	-1047	-1905	4264	4061	2834
78	2006 Regional Report Surplus Deficit	181	-602	1959	1001	682	-574	2183	4175	3439	5868	4279	7192	6296	3537
79	2007 Regional Report Surplus Deficit	559	-698	1429	1022	685	-427	1393	1736	5112	3192	383	5949	4821	3872
80	2008 Regional Report Surplus Deficit	11.5	-933	1100	849	433	-1463	-497	140	1507	702	-1388	6137	7159	5397

Ranked Averages

81	**Bottom 10 pct**	**-818**	**-1300**	**1853**	**891**	**-43.2**	**-995**	**-342**	**122**	**1030**	**747**	**-337**	**4611**	**4835**	**3270**
82	**Middle 80 pct**	**1978**	**1231**	**2925**	**1961**	**830**	**-338**	**1097**	**2510**	**3224**	**2496**	**1539**	**5543**	**5285**	**3897**
83	**Top 10 pct**	**4843**	**5021**	**4587**	**2361**	**1756**	**441**	**1796**	**3219**	**3344**	**2894**	**779**	**4534**	**4486**	**3532**

Regional Report Surplus Deficit By Water Year

Operating Year 2028

2019 White Book Report Date: **2/6/2020**

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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	1382	1595	2596	1517	217	-2017	-1771	-329	-59.4	-2095	-3333	1916	5813	-178
2	1930 Regional Report Surplus Deficit	-270	-910	2329	1187	-488	-2216	-3043	-315	-157	-1593	-3063	1683	3018	1690
3	1931 Regional Report Surplus Deficit	-28.6	-548	2145	1145	-46.8	-2072	-2966	-806	-148	-1638	-3725	1972	1996	691
4	1932 Regional Report Surplus Deficit	-102	-1512	2117	783	-514	-2109	-1797	-2689	2630	2105	3611	8192	6924	4092
5	1933 Regional Report Surplus Deficit	1735	1435	2971	1332	-87.4	-163	1359	3495	2954	694	-791	6248	8012	6000
6	1934 Regional Report Surplus Deficit	4464	4025	3455	2463	2960	2428	3674	6018	5615	4831	3095	6773	5251	262
7	1935 Regional Report Surplus Deficit	-386	-191	1540	935	-566	-1358	1297	3193	2942	-770	84.8	5993	4608	4177
8	1936 Regional Report Surplus Deficit	3735	567	2277	1173	17.1	-2181	-2758	-1270	306	-1354	2110	8569	6649	2921
9	1937 Regional Report Surplus Deficit	63.3	-113	1691	1310	-202	-2120	-3229	-1754	-660	-1988	-3594	1654	4810	1088
10	1938 Regional Report Surplus Deficit	424	-777	2513	1201	-74.1	-738	743	2913	3957	2651	4001	7674	5994	4587
11	1939 Regional Report Surplus Deficit	212	-148	2385	1279	-105	-1976	72.1	1360	1531	-434	770	6051	4034	2028
12	1940 Regional Report Surplus Deficit	-269	-295	1947	1273	240	-800	-13.6	795	3720	1258	-505	6423	3848	-318
13	1941 Regional Report Surplus Deficit	-1023	-1374	1913	1031	-190	-1155	-843	-63.5	1032	-2087	-3792	1538	2959	236
14	1942 Regional Report Surplus Deficit	-771	-1463	2096	696	411	499	795	2336	113	-1790	-1478	3834	6836	5019
15	1943 Regional Report Surplus Deficit	1805	1965	3358	1375	-335	-1145	1781	3698	4120	6069	4716	6835	7875	6113
16	1944 Regional Report Surplus Deficit	2538	1628	2755	1399	-70.0	-1828	-926	-243	-412	-1758	-3954	1204	2105	-1190
17	1945 Regional Report Surplus Deficit	-1018	-1963	998	400	-537	-2101	-2085	-842	-156	-2040	-3659	5153	6793	564
18	1946 Regional Report Surplus Deficit	27.8	-195	2200	1176	-9.03	-656	767	2413	3164	3878	4293	7747	6046	5243
19	1947 Regional Report Surplus Deficit	3425	2616	3290	1352	1028	1744	2677	4798	4559	2446	793	7800	6514	4694
20	1948 Regional Report Surplus Deficit	1641	1104	2917	4987	2444	506	2444	4352	2992	1438	2880	8868	7567	5380
21	1949 Regional Report Surplus Deficit	4458	4210	3800	1940	617	-894	311	2185	4678	2432	3347	8274	5991	751
22	1950 Regional Report Surplus Deficit	-462	-730	1970	1178	-26.2	-651	2388	4887	5201	4089	2098	6733	7942	6434
23	1951 Regional Report Surplus Deficit	4504	4028	3755	3081	2912	2009	3601	6590	5892	4777	2836	7629	6401	5765
24	1952 Regional Report Surplus Deficit	3602	1378	3263	4447	1827	600	2194	4671	3062	4322	4959	8759	6784	4607
25	1953 Regional Report Surplus Deficit	1770	842	1874	1343	-511	-2324	-513	5658	2140	-1912	-1733	6821	8137	6065
26	1954 Regional Report Surplus Deficit	2491	2195	3275	1845	970	-44.2	2028	5196	3957	1641	761	7556	6860	6258
27	1955 Regional Report Surplus Deficit	4817	5317	5662	2029	1816	-231	-293	1097	-871	-1441	-2730	5126	7900	6288
28	1956 Regional Report Surplus Deficit	4304	3082	3111	2306	2321	1776	3327	5819	5733	3858	4627	8591	7591	5672
29	1957 Regional Report Surplus Deficit	3907	3634	3421	2274	592	224	749	1245	3806	3820	1143	9250	7811	3394
30	1958 Regional Report Surplus Deficit	2375	356	2379	1285	114	-849	1651	3703	2790	384	2080	8405	7373	2827
31	1959 Regional Report Surplus Deficit	1913	5.06	2501	1702	1662	1306	3226	5609	3651	3283	1179	6960	7147	5865
32	1960 Regional Report Surplus Deficit	4209	4275	6480	6084	3064	1005	1754	3413	3255	5040	2558	6089	6817	4095
33	1961 Regional Report Surplus Deficit	3069	476	2671	1724	892	-639	1196	4097	4691	2690	-73.4	7126	6867	2958
34	1962 Regional Report Surplus Deficit	1794	374	2272	1264	287	-778	1275	3619	893	915	3742	7094	6193	2984
35	1963 Regional Report Surplus Deficit	2562	1652	2641	2630	1895	1007	1712	3895	1206	-623	-2121	6459	7122	3924
36	1964 Regional Report Surplus Deficit	1714	856	3413	1242	386	-639	344	1905	282	616	-1045	6933	8470	6287
37	1965 Regional Report Surplus Deficit	4254	3972	4463	2898	1496	1820	3670	6383	5688	680	4629	7739	7023	4747
38	1966 Regional Report Surplus Deficit	4175	3762	2712	2103	696	-324	1143	2916	1297	1718	236	5350	6023	3808
39	1967 Regional Report Surplus Deficit	2104	342	2673	1142	61.5	110	2561	4997	4132	1372	-2226	6606	7707	5734
40	1968 Regional Report Surplus Deficit	3249	2915	3385	1840	1175	-337	1709	4512	4580	-1798	-2736	5294	6830	4351
41	1969 Regional Report Surplus Deficit	3464	3693	4891	3149	2469	558	3044	5567	4406	4065	3906	8491	6887	4782
42	1970 Regional Report Surplus Deficit	1691	212	2710	2005	711	-1081	1531	4061	2068	-1213	-2388	6721	7747	3219
43	1971 Regional Report Surplus Deficit	872	288	2210	1362	165	-488	3315	6186	5932	3813	2635	8626	8252	6246
44	1972 Regional Report Surplus Deficit	4624	4791	3863	2423	1024	96.6	2982	6076	7186	5549	2024	8225	7786	6084
45	1973 Regional Report Surplus Deficit	4599	4979	4085	2227	1096	-293	1219	3010	895	-1713	-3920	1501	2929	-106
46	1974 Regional Report Surplus Deficit	-659	-2138	1699	986	14.7	675	4064	6268	6563	4834	3751	7336	8181	6448
47	1975 Regional Report Surplus Deficit	4777	5017	3861	1304	253	-889	1351	3344	4155	-602	-1311	7162	8115	6420
48	1976 Regional Report Surplus Deficit	3393	3450	4137	3530	2813	2493	3334	5737	4910	4636	2392	8518	7114	6095
49	1977 Regional Report Surplus Deficit	4902	5545	7456	2321	339	-1698	-845	-3.01	-523	-2021	-4108	1122	1830	-1577
50	1978 Regional Report Surplus Deficit	-1207	-2100	685	-43.5	-191	-503	948	2497	2620	3852	793	7450	5443	4737
51	1979 Regional Report Surplus Deficit	2413	1795	4785	2258	799	-1476	-79.5	742	2925	-1117	-578	7578	4293	104
52	1980 Regional Report Surplus Deficit	-735	-990	2321	1260	-73.0	-2101	316	50.1	560	816	1868	8624	7146	3276
53	1981 Regional Report Surplus Deficit	-307	-331	2480	1171	742	989	2626	5003	1556	-2133	-2224	7049	7597	5551
54	1982 Regional Report Surplus Deficit	4319	4121	3381	1685	1186	-389	2027	6384	6934	3915	711	7716	7982	6494

Regional Report Surplus Deficit By Water Year

Operating Year 2028

2019 White Book Report Date: **2/6/2020** *Continued*

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Regional Report Surplus Deficit	4404	4785	5002	3323	1415	233	2503	5427	5942	2687	265	7170	6957	6057
56	1984 Regional Report Surplus Deficit	4318	4467	4127	2124	3200	588	2318	4670	5286	2102	3034	7318	8107	5919
57	1985 Regional Report Surplus Deficit	3771	2078	4074	2222	1444	-271	619	2040	1353	1790	1621	6628	4042	835
58	1986 Regional Report Surplus Deficit	-437	-989	2532	2473	1981	-251	1613	5308	6646	4026	2825	6430	6491	2537
59	1987 Regional Report Surplus Deficit	1131	-196	2374	1236	925	-292	43.0	204	2296	-1010	-1130	6920	4154	-225
60	1988 Regional Report Surplus Deficit	-430	-1065	1963	669	-1090	-2431	-2606	-941	-174	-1777	-1859	2420	4018	2334
61	1989 Regional Report Surplus Deficit	63.8	-762	2142	1071	80.0	-1061	-1355	-1645	2570	1078	3468	6566	4453	1547
62	1990 Regional Report Surplus Deficit	-255	-868	2352	1285	771	38.3	1200	4213	3517	1453	3050	6596	6727	4134
63	1991 Regional Report Surplus Deficit	2805	2613	2463	1181	2730	527	2384	4529	3477	2064	244	6573	6594	5704
64	1992 Regional Report Surplus Deficit	4262	3269	2613	1148	235	-2223	-555	360	939	-2359	-2742	5682	2789	-1100
65	1993 Regional Report Surplus Deficit	-987	-1384	1616	739	-433	-1913	-1964	-2291	1166	-1265	-3111	7222	5626	2983
66	1994 Regional Report Surplus Deficit	202	-204	1943	1291	243	-1832	-1787	-25.2	31.9	-1982	-770	4992	3815	1920
67	1995 Regional Report Surplus Deficit	-355	-1174	2062	1001	-814	-1731	107	2773	3977	-374	-3095	7005	7172	4264
68	1996 Regional Report Surplus Deficit	1820	192	3242	3026	3093	2662	3932	6805	7000	4533	4672	7995	7293	5787
69	1997 Regional Report Surplus Deficit	4020	3579	3318	1704	1042	654	3889	6307	6920	4688	4570	8627	7387	6077
70	1998 Regional Report Surplus Deficit	4097	4818	4994	5437	2449	-215	825	4315	2675	-1050	-2040	8381	7726	4682
71	1999 Regional Report Surplus Deficit	3488	3017	2521	1518	-126	495	2969	5664	6146	1716	2309	7037	7761	6236
72	2000 Regional Report Surplus Deficit	5090	5531	3617	1767	2980	1053	1501	3493	3691	3728	3708	6948	3886	3736
73	2001 Regional Report Surplus Deficit	2592	-114	2279	1387	-30.8	-1928	-1164	-678	-59.3	-2048	-4012	1446	1868	-803
74	2002 Regional Report Surplus Deficit	-876	-1959	734	-103	-445	-1267	-1530	130	897	656	2452	5917	7098	5362
75	2003 Regional Report Surplus Deficit	1072	663	2457	1354	304	-1948	-1267	938	3462	108	-581	4126	6859	1731
76	2004 Regional Report Surplus Deficit	-724	-1119	1458	632	522	-694	-794	-399	1236	-478	-1094	5011	5373	1827
77	2005 Regional Report Surplus Deficit	-900	-102	3521	1874	443	-471	442	3031	1047	-2335	-2782	5288	5052	2625
78	2006 Regional Report Surplus Deficit	60.1	-719	1841	841	598	-705	2035	4659	3336	4580	3537	8242	7292	3379
79	2007 Regional Report Surplus Deficit	438	-814	1312	863	601	-558	1245	2220	5064	1935	-494	7050	5930	3715
80	2008 Regional Report Surplus Deficit	-110	-1050	982	690	350	-1594	-645	624	1384	-565	-2265	7159	8168	5257

Ranked Averages

81	**Bottom 10 pct**	**-940**	**-1417**	**1735**	**732**	**-127**	**-1126**	**-490**	**606**	**910**	**-524**	**-1214**	**5628**	**5869**	**3100**
82	**Middle 80 pct**	**1857**	**1114**	**2807**	**1801**	**747**	**-469**	**949**	**2994**	**3138**	**1240**	**679**	**6567**	**6305**	**3727**
83	**Top 10 pct**	**4722**	**4904**	**4469**	**2202**	**1673**	**310**	**1649**	**3703**	**3255**	**1638**	**-50.6**	**5561**	**5512**	**3359**

Regional Report Surplus Deficit By Water Year

Operating Year 2029

2019 White Book Report Date: **2/6/2020**

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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	1315	1623	2461	1391	70.3	-2205	-1867	-1050	-165	-1551	-2738	714	4576	-249
2	1930 Regional Report Surplus Deficit	-337	-883	2195	1061	-635	-2403	-3139	-1036	-263	-1061	-2469	493	1735	1608
3	1931 Regional Report Surplus Deficit	-95.3	-521	2010	1018	-194	-2259	-3062	-1527	-243	-1097	-3130	817	774	612
4	1932 Regional Report Surplus Deficit	-169	-1485	1982	657	-661	-2296	-1893	-3410	2485	2546	4128	6975	5652	3956
5	1933 Regional Report Surplus Deficit	1668	1462	2836	1205	-235	-350	1263	2775	2833	1176	-172	5046	6815	5926
6	1934 Regional Report Surplus Deficit	4398	4052	3321	2337	2813	2241	3578	5297	5442	5255	3564	5538	3944	168
7	1935 Regional Report Surplus Deficit	-453	-163	1406	808	-713	-1545	1201	2473	2789	-235	679	4791	3370	4048
8	1936 Regional Report Surplus Deficit	3668	594	2142	1047	-130	-2368	-2854	-1990	197	-887	2704	7369	5324	2821
9	1937 Regional Report Surplus Deficit	-3.42	-85.5	1557	1184	-349	-2308	-3325	-2474	-758	-1444	-2999	452	3572	964
10	1938 Regional Report Surplus Deficit	357	-750	2379	1074	-221	-925	647	2192	3773	3195	4548	6480	4756	4415
11	1939 Regional Report Surplus Deficit	145	-121	2251	1153	-252	-2163	-23.9	639	1414	66.4	1368	4850	2739	1918
12	1940 Regional Report Surplus Deficit	-335	-268	1812	1146	92.9	-987	-110	74.9	3575	1746	89.3	5221	2564	-389
13	1941 Regional Report Surplus Deficit	-1090	-1346	1779	905	-337	-1342	-939	-784	918	-1560	-3197	388	1709	160
14	1942 Regional Report Surplus Deficit	-838	-1435	1961	569	264	312	699	1615	18.4	-1224	-883	2632	5535	4867
15	1943 Regional Report Surplus Deficit	1738	1992	3223	1248	-482	-1332	1685	2977	3911	6613	5250	5633	6575	5955
16	1944 Regional Report Surplus Deficit	2471	1655	2621	1273	-217	-2015	-1022	-963	-510	-1214	-3360	2.74	867	-1261
17	1945 Regional Report Surplus Deficit	-1085	-1936	863	273	-684	-2288	-2181	-1562	-246	-1496	-3064	3951	5455	479
18	1946 Regional Report Surplus Deficit	-38.9	-168	2065	1049	-156	-843	671	1693	2997	4422	4829	6559	4755	5139
19	1947 Regional Report Surplus Deficit	3359	2643	3155	1225	881	1557	2581	4078	4398	2972	1388	6582	5188	4555
20	1948 Regional Report Surplus Deficit	1574	1131	2782	4860	2296	319	2348	3632	2844	1876	3475	7634	6275	5183
21	1949 Regional Report Surplus Deficit	4392	4237	3666	1813	470	-1081	215	1464	4514	2938	3942	7106	4714	651
22	1950 Regional Report Surplus Deficit	-529	-703	1836	1052	-173	-838	2292	4166	5038	4634	2692	5479	6701	6323
23	1951 Regional Report Surplus Deficit	4438	4055	3621	2954	2765	1822	3505	5869	5755	5321	3339	6431	5092	5589
24	1952 Regional Report Surplus Deficit	3535	1406	3129	4320	1680	413	2098	3950	2894	4866	5530	7579	5519	4513
25	1953 Regional Report Surplus Deficit	1703	869	1739	1216	-658	-2511	-609	4937	2007	-1367	-1109	5619	6872	5934
26	1954 Regional Report Surplus Deficit	2425	2222	3140	1718	823	-231	1932	4476	3781	2117	1356	6348	5599	6130
27	1955 Regional Report Surplus Deficit	4750	5344	5527	1902	1669	-418	-389	376	-969	-916	-2135	3924	6657	6189
28	1956 Regional Report Surplus Deficit	4237	3110	2976	2179	2174	1589	3231	5098	5581	4402	5178	7408	6433	5610
29	1957 Regional Report Surplus Deficit	3841	3661	3287	2147	445	36.9	653	524	3638	4314	1738	8138	6589	3277
30	1958 Regional Report Surplus Deficit	2308	383	2245	1159	-32.8	-1036	1554	2983	2662	905	2674	7216	6054	2679
31	1959 Regional Report Surplus Deficit	1846	32.4	2367	1576	1515	1118	3130	4889	3480	3765	1773	5730	5955	5791
32	1960 Regional Report Surplus Deficit	4142	4303	6345	5958	2917	818	1658	2693	3108	5584	3102	4887	5513	3909
33	1961 Regional Report Surplus Deficit	3002	503	2537	1597	745	-826	1100	3376	4558	3173	521	5916	5581	2846
34	1962 Regional Report Surplus Deficit	1727	401	2138	1137	140	-965	1178	2898	774	1391	4292	5893	4954	2877
35	1963 Regional Report Surplus Deficit	2495	1680	2507	2503	1748	820	1616	3175	1094	-112	-1527	5258	5780	3799
36	1964 Regional Report Surplus Deficit	1647	883	3279	1115	239	-826	248	1185	175	1141	-453	5731	7223	6197
37	1965 Regional Report Surplus Deficit	4187	3999	4329	2771	1349	1633	3574	5663	5544	1121	5158	6569	5790	4640
38	1966 Regional Report Surplus Deficit	4109	3790	2578	1976	549	-511	1047	2196	1174	2188	830	4148	4629	3665
39	1967 Regional Report Surplus Deficit	2037	369	2538	1016	-85.6	-77.0	2465	4277	3951	1870	-1553	5327	6330	5572
40	1968 Regional Report Surplus Deficit	3183	2942	3250	1713	1028	-525	1613	3792	4415	-1241	-2142	4092	5612	4253
41	1969 Regional Report Surplus Deficit	3398	3720	4756	3023	2322	371	2948	4846	4267	4609	4393	7299	5682	4631
42	1970 Regional Report Surplus Deficit	1625	240	2576	1879	564	-1268	1435	3341	1951	-675	-1794	5520	6550	3140
43	1971 Regional Report Surplus Deficit	805	315	2076	1235	18.2	-675	3219	5465	5724	4357	3157	7473	7021	6118
44	1972 Regional Report Surplus Deficit	4557	4818	3729	2296	877	-90.6	2885	5356	7023	6007	2508	6998	6483	5978
45	1973 Regional Report Surplus Deficit	4533	5007	3951	2100	949	-480	1122	2290	774	-1168	-3325	299	1632	-206
46	1974 Regional Report Surplus Deficit	-726	-2111	1564	860	-132	488	3968	5548	6442	5378	4281	6160	6952	6379
47	1975 Regional Report Surplus Deficit	4711	5045	3727	1178	106	-1076	1255	2624	3997	-97.3	-716	5973	6871	6321
48	1976 Regional Report Surplus Deficit	3326	3477	4002	3404	2666	2305	3238	5016	4777	5180	2987	7356	5857	5988
49	1977 Regional Report Surplus Deficit	4835	5572	7321	2194	192	-1885	-941	-723	-621	-1477	-3513	-43.4	592	-1648
50	1978 Regional Report Surplus Deficit	-1273	-2073	550	-170	-338	-690	852	1777	2506	4396	1388	6268	4208	4600
51	1979 Regional Report Surplus Deficit	2346	1822	4651	2131	652	-1664	-176	21.6	2814	-610	27.7	6376	3055	14.7
52	1980 Regional Report Surplus Deficit	-802	-963	2187	1133	-220	-2288	220	-670	461	1352	2463	7404	5865	3187
53	1981 Regional Report Surplus Deficit	-374	-304	2346	1044	595	802	2530	4283	1424	-1588	-1619	5849	6278	5412
54	1982 Regional Report Surplus Deficit	4252	4149	3246	1558	1039	-576	1931	5663	6799	4449	1306	6499	6771	6416

Regional Report Surplus Deficit By Water Year

Operating Year 2029

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Regional Report Surplus Deficit	4337	4813	4867	3197	1268	45.5	2407	4707	5787	3182	859	5968	5702	5935
56	1984 Regional Report Surplus Deficit	4251	4495	3992	1997	3053	400	2222	3950	5087	2534	3628	6116	6859	5809
57	1985 Regional Report Surplus Deficit	3704	2105	3939	2096	1297	-458	523	1320	1231	2285	2216	5426	2804	749
58	1986 Regional Report Surplus Deficit	-504	-962	2398	2347	1834	-439	1517	4587	6515	4570	3420	5228	5298	2445
59	1987 Regional Report Surplus Deficit	1065	-169	2239	1109	778	-479	-53.0	-517	2143	-491	-561	5634	2840	-296
60	1988 Regional Report Surplus Deficit	-497	-1038	1828	542	-1237	-2618	-2702	-1662	-274	-1233	-1257	1240	2772	2258
61	1989 Regional Report Surplus Deficit	-2.91	-735	2008	944	-67.1	-1248	-1451	-2366	2448	1549	4013	5364	3215	1461
62	1990 Regional Report Surplus Deficit	-321	-840	2218	1158	624	-149	1104	3493	3376	1890	3544	5354	5391	3915
63	1991 Regional Report Surplus Deficit	2738	2640	2329	1054	2583	340	2288	3808	3293	2508	839	5358	5257	5540
64	1992 Regional Report Surplus Deficit	4195	3296	2478	1021	87.6	-2410	-651	-360	825	-1815	-2147	4481	1552	-1171
65	1993 Regional Report Surplus Deficit	-1054	-1356	1482	613	-580	-2100	-2060	-3012	1053	-738	-2516	6021	4388	2859
66	1994 Regional Report Surplus Deficit	136	-176	1808	1164	95.5	-2019	-1884	-746	-78.6	-1434	-172	3791	2567	1828
67	1995 Regional Report Surplus Deficit	-421	-1147	1927	875	-961	-1918	11.0	2052	3818	158	-2500	5803	5797	4134
68	1996 Regional Report Surplus Deficit	1754	219	3107	2899	2946	2475	3836	6085	6877	5077	5224	6869	5937	5686
69	1997 Regional Report Surplus Deficit	3954	3606	3184	1578	895	467	3793	5587	6784	5083	5033	7391	6203	5922
70	1998 Regional Report Surplus Deficit	4030	4845	4860	5310	2302	-402	729	3595	2538	-533	-1445	7192	6363	4540
71	1999 Regional Report Surplus Deficit	3421	3044	2386	1391	-274	308	2873	4944	5949	2195	2904	5783	6470	6132
72	2000 Regional Report Surplus Deficit	5023	5558	3482	1640	2833	866	1405	2773	3539	4273	4252	5724	2639	3603
73	2001 Regional Report Surplus Deficit	2526	-86.5	2144	1261	-178	-2115	-1260	-1398	-151	-1503	-3417	245	630	-886
74	2002 Regional Report Surplus Deficit	-943	-1932	600	-230	-592	-1454	-1626	-591	778	1086	3046	4715	5732	5193
75	2003 Regional Report Surplus Deficit	1006	690	2322	1227	157	-2135	-1363	217	3304	626	13.8	2924	5591	1629
76	2004 Regional Report Surplus Deficit	-791	-1092	1324	505	375	-881	-890	-1120	1120	58.1	-508	3809	4135	1738
77	2005 Regional Report Surplus Deficit	-967	-75.2	3386	1748	296	-658	346	2311	937	-1791	-2187	4086	3814	2551
78	2006 Regional Report Surplus Deficit	-6.67	-691	1707	715	451	-892	1939	3939	3212	5124	3997	7014	6049	3254
79	2007 Regional Report Surplus Deficit	371	-787	1177	736	454	-746	1149	1500	4885	2449	101	5771	4574	3589
80	2008 Regional Report Surplus Deficit	-176	-1023	848	563	203	-1781	-741	-96.2	1280	-41.9	-1671	5959	6912	5114

Ranked Averages

81	**Bottom 10 pct**	**-1006**	**-1390**	**1601**	**605**	**-274**	**-1314**	**-586**	**-114**	**803**	**3.34**	**-619**	**4433**	**4588**	**2987**
82	**Middle 80 pct**	**1790**	**1142**	**2673**	**1675**	**600**	**-656**	**853**	**2274**	**2997**	**1752**	**1257**	**5364**	**5039**	**3614**
83	**Top 10 pct**	**4655**	**4931**	**4335**	**2075**	**1526**	**122**	**1552**	**2983**	**3117**	**2150**	**497**	**4356**	**4239**	**3249**

Regional Report Surplus Deficit By Water Year

Operating Year 2030

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Regional Report Surplus Deficit	1218	1527	2328	1318	-44.6	-2318	-2002	-1205	-337	-1154	-2809	1707	5528	-321
2	1930 Regional Report Surplus Deficit	-434	-978	2061	988	-750	-2517	-3274	-1191	-435	-652	-2540	1473	2733	1547
3	1931 Regional Report Surplus Deficit	-192	-616	1877	945	-309	-2372	-3197	-1682	-426	-697	-3201	1763	1711	548
4	1932 Regional Report Surplus Deficit	-266	-1580	1849	584	-776	-2409	-2029	-3565	2352	3046	4135	7983	6639	3949
5	1933 Regional Report Surplus Deficit	1571	1367	2703	1133	-349	-464	1128	2619	2676	1635	-267	6038	7726	5857
6	1934 Regional Report Surplus Deficit	4301	3957	3187	2264	2698	2128	3442	5142	5337	5772	3619	6563	4966	119
7	1935 Regional Report Surplus Deficit	-550	-258	1272	735	-828	-1658	1065	2317	2664	171	608	5784	4323	4034
8	1936 Regional Report Surplus Deficit	3571	499	2009	974	-245	-2482	-2989	-2146	28.5	-413	2633	8360	6363	2778
9	1937 Regional Report Surplus Deficit	-100	-181	1423	1111	-464	-2421	-3460	-2629	-938	-1047	-3070	1445	4525	945
10	1938 Regional Report Surplus Deficit	260	-845	2245	1002	-336	-1039	512	2037	3679	3592	4525	7464	5709	4444
11	1939 Regional Report Surplus Deficit	48.3	-216	2117	1080	-367	-2277	-159	484	1253	507	1294	5842	3749	1885
12	1940 Regional Report Surplus Deficit	-432	-363	1679	1074	-22.0	-1101	-245	-80.4	3442	2199	18.1	6214	3563	-461
13	1941 Regional Report Surplus Deficit	-1187	-1441	1645	832	-452	-1455	-1074	-939	754	-1146	-3269	1329	2674	93.3
14	1942 Regional Report Surplus Deficit	-935	-1530	1828	497	149	198	564	1460	-165	-849	-954	3624	6551	4876
15	1943 Regional Report Surplus Deficit	1641	1897	3090	1176	-597	-1445	1550	2822	3842	7010	5240	6625	7589	5970
16	1944 Regional Report Surplus Deficit	2374	1560	2487	1200	-332	-2128	-1157	-1119	-690	-817	-3431	995	1819	-1333
17	1945 Regional Report Surplus Deficit	-1182	-2031	730	201	-799	-2401	-2317	-1717	-434	-1099	-3135	4943	6508	421
18	1946 Regional Report Surplus Deficit	-136	-263	1932	976	-271	-957	536	1537	2886	4819	4817	7538	5761	5100
19	1947 Regional Report Surplus Deficit	3262	2548	3022	1153	766	1443	2446	3923	4281	3387	1317	7591	6229	4551
20	1948 Regional Report Surplus Deficit	1477	1036	2649	4788	2182	206	2213	3476	2714	2379	3404	8659	7282	5237
21	1949 Regional Report Surplus Deficit	4295	4142	3532	1740	355	-1195	80.0	1309	4400	3373	3871	8064	5706	607
22	1950 Regional Report Surplus Deficit	-626	-798	1702	979	-288	-952	2157	4011	4923	5030	2621	6523	7656	6291
23	1951 Regional Report Surplus Deficit	4341	3960	3487	2882	2650	1709	3369	5714	5614	5718	3360	7420	6116	5622
24	1952 Regional Report Surplus Deficit	3438	1311	2995	4248	1565	299	1963	3795	2784	5263	5483	8550	6499	4464
25	1953 Regional Report Surplus Deficit	1606	774	1606	1144	-773	-2624	-744	4782	1862	-971	-1210	6612	7852	5922
26	1954 Regional Report Surplus Deficit	2328	2127	3007	1646	708	-345	1797	4321	3679	2582	1285	7347	6575	6115
27	1955 Regional Report Surplus Deficit	4653	5249	5393	1829	1554	-531	-524	221	-1149	-500	-2206	4917	7615	6145
28	1956 Regional Report Surplus Deficit	4140	3015	2843	2107	2059	1475	3096	4943	5455	4799	5150	8382	7305	5529
29	1957 Regional Report Surplus Deficit	3744	3566	3153	2075	330	-76.4	518	369	3528	4761	1667	9041	7526	3251
30	1958 Regional Report Surplus Deficit	2211	288	2111	1086	-148	-1149	1419	2827	2512	1325	2603	8195	7088	2684
31	1959 Regional Report Surplus Deficit	1749	-62.7	2233	1503	1400	1005	2994	4733	3373	4224	1702	6751	6862	5722
32	1960 Regional Report Surplus Deficit	4045	4208	6212	5885	2802	704	1523	2537	2977	5981	3081	5880	6532	3951
33	1961 Regional Report Surplus Deficit	2905	408	2403	1525	630	-940	964	3221	4413	3630	450	6916	6582	2815
34	1962 Regional Report Surplus Deficit	1630	306	2004	1064	24.9	-1078	1043	2743	615	1856	4265	6885	5907	2841
35	1963 Regional Report Surplus Deficit	2398	1585	2373	2431	1633	706	1481	3019	928	318	-1598	6250	6837	3781
36	1964 Regional Report Surplus Deficit	1550	788	3145	1043	124	-939	112	1030	3.58	1557	-522	6724	8184	6144
37	1965 Regional Report Surplus Deficit	4090	3904	4195	2699	1234	1520	3438	5507	5410	1621	5152	7529	6738	4603
38	1966 Regional Report Surplus Deficit	4012	3695	2444	1904	434	-625	912	2040	1019	2659	759	5141	5738	3665
39	1967 Regional Report Surplus Deficit	1940	274	2405	943	-201	-190	2330	4122	3854	2313	-1703	6397	7422	5590
40	1968 Regional Report Surplus Deficit	3086	2847	3117	1641	913	-638	1478	3637	4302	-857	-2213	5084	6545	4208
41	1969 Regional Report Surplus Deficit	3300	3625	4623	2950	2207	258	2813	4691	4128	5006	4429	8282	6602	4639
42	1970 Regional Report Surplus Deficit	1528	145	2442	1806	449	-1381	1300	3186	1790	-272	-1865	6512	7462	3076
43	1971 Regional Report Surplus Deficit	708	220	1942	1163	-96.8	-789	3083	5310	5654	4754	3159	8417	7967	6103
44	1972 Regional Report Surplus Deficit	4460	4723	3595	2224	762	-204	2750	5200	6908	6490	2548	8015	7501	5941
45	1973 Regional Report Surplus Deficit	4436	4911	3817	2027	834	-593	987	2135	617	-772	-3396	1291	2644	-250
46	1974 Regional Report Surplus Deficit	-823	-2206	1431	787	-247	374	3833	5392	6285	5774	4274	7127	7896	6305
47	1975 Regional Report Surplus Deficit	4614	4950	3593	1105	-9.41	-1190	1119	2469	3877	339	-787	6952	7829	6277
48	1976 Regional Report Surplus Deficit	3229	3382	3869	3331	2551	2192	3103	4861	4632	5577	2916	8309	6829	5952
49	1977 Regional Report Surplus Deficit	4738	5477	7188	2121	76.9	-1998	-1076	-879	-801	-1080	-3584	913	1545	-1720
50	1978 Regional Report Surplus Deficit	-1370	-2168	416	-243	-453	-803	717	1622	2342	4793	1317	7241	5158	4594
51	1979 Regional Report Surplus Deficit	2249	1727	4517	2058	537	-1777	-311	-134	2647	-176	-54.3	7369	4008	-38.7
52	1980 Regional Report Surplus Deficit	-899	-1058	2053	1060	-335	-2401	84.3	-826	282	1757	2391	8415	6861	3133
53	1981 Regional Report Surplus Deficit	-471	-399	2212	971	480	689	2394	4128	1278	-1192	-1701	6840	7312	5408
54	1982 Regional Report Surplus Deficit	4155	4054	3113	1485	924	-690	1796	5508	6656	4856	1234	7506	7697	6350

Regional Report Surplus Deficit By Water Year

Operating Year 2030

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Regional Report Surplus Deficit	4240	4717	4734	3124	1153	-67.8	2272	4551	5664	3628	788	6961	6672	5914
56	1984 Regional Report Surplus Deficit	4154	4400	3859	1925	2938	287	2087	3794	5008	3043	3557	7109	7822	5776
57	1985 Regional Report Surplus Deficit	3607	2010	3806	2023	1182	-571	388	1165	1075	2731	2145	6419	3757	692
58	1986 Regional Report Surplus Deficit	-601	-1057	2264	2274	1719	-552	1382	4432	6368	4967	3349	6221	6205	2394
59	1987 Regional Report Surplus Deficit	967	-264	2106	1036	663	-592	-188	-672	2018	-69.0	-606	6710	3869	-368
60	1988 Regional Report Surplus Deficit	-594	-1133	1695	470	-1352	-2731	-2838	-1817	-452	-836	-1335	2211	3733	2191
61	1989 Regional Report Surplus Deficit	-99.9	-830	1874	872	-182	-1362	-1587	-2521	2292	2019	3991	6357	4168	1404
62	1990 Regional Report Surplus Deficit	-418	-935	2084	1086	509	-262	968	3338	3239	2394	3573	6387	6442	3991
63	1991 Regional Report Surplus Deficit	2641	2545	2195	981	2468	227	2153	3653	3199	3005	768	6364	6309	5561
64	1992 Regional Report Surplus Deficit	4098	3201	2345	949	-27.4	-2524	-786	-516	661	-1418	-2219	5473	2504	-1243
65	1993 Regional Report Surplus Deficit	-1151	-1451	1348	540	-695	-2213	-2195	-3167	888	-324	-2587	7013	5341	2840
66	1994 Regional Report Surplus Deficit	38.6	-271	1675	1092	-19.5	-2132	-2019	-901	-246	-1041	-246	4783	3530	1776
67	1995 Regional Report Surplus Deficit	-518	-1242	1794	802	-1076	-2032	-124	1897	3699	567	-2571	6796	6886	4121
68	1996 Regional Report Surplus Deficit	1657	124	2974	2826	2831	2361	3701	5929	6722	5474	5196	7785	7007	5643
69	1997 Regional Report Surplus Deficit	3856	3511	3050	1505	780	353	3658	5431	6642	5629	5094	8418	7102	5934
70	1998 Regional Report Surplus Deficit	3933	4750	4726	5238	2187	-515	594	3440	2397	-109	-1516	8172	7441	4539
71	1999 Regional Report Surplus Deficit	3324	2949	2253	1319	-388	195	2738	4788	5868	2657	2833	6828	7476	6093
72	2000 Regional Report Surplus Deficit	4926	5463	3349	1568	2718	753	1270	2617	3413	4669	4232	6738	3600	3592
73	2001 Regional Report Surplus Deficit	2429	-182	2011	1188	-293	-2229	-1395	-1554	-337	-1107	-3488	1237	1582	-946
74	2002 Regional Report Surplus Deficit	-1040	-2027	466	-302	-707	-1568	-1761	-746	619	1597	2975	5708	6813	5219
75	2003 Regional Report Surplus Deficit	909	595	2189	1155	41.9	-2248	-1498	61.8	3184	1049	-57.3	3917	6574	1588
76	2004 Regional Report Surplus Deficit	-888	-1187	1190	432	260	-994	-1025	-1275	958	463	-571	4802	5088	1684
77	2005 Regional Report Surplus Deficit	-1064	-170	3253	1675	181	-771	210	2156	769	-1394	-2258	5078	4767	2482
78	2006 Regional Report Surplus Deficit	-104	-787	1573	642	336	-1005	1804	3783	3058	5520	4061	8033	7007	3236
79	2007 Regional Report Surplus Deficit	274	-882	1043	664	339	-859	1014	1344	4786	2876	29.6	6841	5645	3572
80	2008 Regional Report Surplus Deficit	-273	-1118	714	491	87.8	-1895	-877	-252	1106	376	-1742	6950	7883	5114

Ranked Averages

81	**Bottom 10 pct**	**-1103**	**-1485**	**1467**	**533**	**-389**	**-1427**	**-721**	**-270**	**632**	**417**	**-690**	**5419**	**5584**	**2957**
82	**Middle 80 pct**	**1693**	**1047**	**2539**	**1602**	**485**	**-770**	**718**	**2119**	**2860**	**2181**	**1202**	**6358**	**6020**	**3584**
83	**Top 10 pct**	**4558**	**4836**	**4201**	**2003**	**1411**	**9.13**	**1417**	**2827**	**2977**	**2579**	**473**	**5351**	**5227**	**3216**

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Section 3: Monthly 1-Hour Capacity Operating Year 2021 to 2030

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Exhibit 23
Federal Report Surplus Deficit

Monthly 1-Hour Capacity
Operating Year 2021 to 2030
Using 1937-Water Conditions

Loads and Resources - Federal System
Operating Year: 2021 Water Year: 1937
2019 White Book Report Date: **4/9/2020**
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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
1 **Load Following**	4278	4040	3809	4000	4686	5048	5262	4940	4600	4342	4224	3913	4114	4410
2 Preference Customers	4303	4303	3949	4198	4892	5541	5500	5210	4693	4431	4431	4085	4173	4430
3 Federal Agencies	145	145	136	150	185	220	231	215	190	165	165	157	154	167
4 USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
5 Federal Diversity	-773	-1010	-803	-731	-596	-989	-753	-750	-649	-692	-810	-855	-791	-805
6 **Tier 1 Block**	409	409	679	541	964	921	1047	933	872	431	431	162	21.1	359
7 Tier 1 Block	409	409	679	541	964	921	1047	933	872	431	431	162	21.1	359
8 **Slice**	3624	3538	3762	3170	4042	4236	4035	3835	3537	3418	3090	3554	4186	3874
9 Slice Block	1181	1181	1126	1191	1392	1598	1591	1459	1346	1250	1250	1211	1187	1243
10 Slice Output from T1 System	2443	2356	2636	1979	2650	2638	2444	2376	2191	2168	1840	2343	3000	2632
11 **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
12 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
13 **Contract Deliveries**	1634	1719	1573	1423	1413	1413	1511	1511	1504	1504	1504	1504	1504	1525
14 Exports	1383	1468	1322	1322	1322	1322	1295	1295	1295	1295	1295	1295	1295	1316
15 Intra-Regional Transfers (Out)	251	251	251	101	91.4	91.4	216	216	209	209	209	209	209	209
16 Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 **Total Firm Obligations**	**9957**	**9718**	**9835**	**9146**	**11118**	**11630**	**11867**	**11231**	**10524**	**9707**	**9260**	**9146**	**9838**	**10180**
Net Resources														
18 **Hydro**	12592	12279	13332	10151	13069	13082	12277	11943	11189	11167	9655	13226	16301	13501
19 Regulated Hydro - Net	12019	11716	12807	9675	12647	12767	12075	11713	10799	10549	9022	12406	15457	12892
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	0	0	1168
27 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
28 Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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**	439	437	443	411	427	426	422	420	416	415	407	419	435	301
34 Imports	76.0	76.0	76.0	126	126	126	126	126	126	76.0	76.0	76.0	76.0	1.00
35 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
36 Non-Federal CER	237	237	237	237	237	237	237	237	237	237	237	237	237	237
37 Slice Transmission Loss Return	58.8	56.7	63.5	47.6	63.8	63.5	58.8	57.2	52.7	52.2	44.3	56.4	72.2	63.3
38 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loads and Resources - Federal System

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[39] **Reserves & Losses**	-2020	-2000	-2049	-1876	-2092	-2107	-2114	-2074	-2006	-1987	-1889	-2041	-2244	-2119
[40] Operating Reserves	-753	-743	-757	-689	-811	-825	-798	-769	-726	-706	-658	-729	-830	-764
[41] Balancing Reserves	-839	-839	-839	-840	-840	-840	-903	-903	-903	-903	-903	-903	-903	-903
[42] Transmission Losses	-428	-418	-453	-347	-441	-441	-412	-402	-378	-378	-328	-409	-510	-452
[43] **Total Net Resources**	**12173**	**11879**	**12905**	**9867**	**12582**	**12582**	**11754**	**11458**	**10767**	**10755**	**9333**	**11604**	**14492**	**12851**
[44] **Total Surplus/Deficit**	**2,216**	**2,160**	**3,070**	**721**	**1,465**	**952**	**-113**	**227**	**243**	**1,048**	**73**	**2,458**	**4,654**	**2,671**

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
45 **Load Following**	4294	4048	3811	4065	4637	5081	5277	4991	4634	4383	4122	3908	4120	4456
46 Preference Customers	4331	4331	3974	4209	4902	5553	5514	5225	4713	4444	4444	4095	4182	4440
47 Federal Agencies	162	162	152	162	198	234	244	227	202	172	172	161	157	170
48 USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
49 Federal Diversity	-801	-1047	-842	-689	-669	-983	-765	-726	-645	-671	-932	-874	-797	-773
50 **Tier 1 Block**	406	406	674	559	928	919	1045	932	870	430	430	162	20.6	370
51 Tier 1 Block	406	406	674	559	928	919	1045	932	870	430	430	162	20.6	370
52 **Slice**	3611	3613	3109	3302	4166	4474	4150	4030	3748	3549	3158	3940	4412	3954
53 Slice Block	1214	1214	1158	1289	1498	1710	1701	1564	1447	1350	1350	1307	1279	1335
54 Slice Output from T1 System	2397	2399	1951	2013	2667	2765	2449	2466	2302	2199	1808	2634	3133	2618
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**	1565	1650	1504	1504	1511	1511	1358	1358	1351	1351	1351	1351	1351	1372
58 Exports	1356	1441	1295	1295	1295	1295	1142	1142	1142	1142	1142	1142	1142	1163
59 Intra-Regional Transfers (Out)	209	209	209	209	216	216	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**	**9889**	**9730**	**9110**	**9443**	**11253**	**11997**	**11842**	**11322**	**10615**	**9725**	**9073**	**9373**	**9916**	**10164**
Net Resources														
62 **Hydro**	12449	12543	10242	10374	13212	13734	12300	12356	11696	11309	9509	13413	15763	13439
63 Regulated Hydro - Net	11876	11979	9717	9898	12791	13418	12098	12126	11306	10692	8876	12594	14919	12830
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	1151	1154	1168
71 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
72 Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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**	296	296	285	286	302	305	297	297	293	291	282	301	313	301
78 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
79 Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 Non-Federal CER	237	237	237	237	237	237	237	237	237	237	237	237	237	237
81 Slice Transmission Loss Return	57.7	57.7	46.9	48.5	64.2	66.5	59.0	59.3	55.4	52.9	43.5	63.4	75.4	63.0
82 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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[83] **Reserves & Losses**	-2051	-2057	-1897	-1929	-2141	-2206	-2123	-2107	-2045	-1993	-1877	-2107	-2255	-2126
[84] Operating Reserves	-731	-734	-649	-678	-798	-847	-811	-793	-752	-712	-656	-755	-825	-773
[85] Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903
[86] Transmission Losses	-417	-420	-345	-349	-440	-456	-409	-411	-390	-378	-319	-450	-527	-450
[87] **Total Net Resources**	**11856**	**11945**	**9809**	**9912**	**12552**	**13012**	**11644**	**11715**	**11114**	**10767**	**9074**	**12758**	**14975**	**12782**
[88] **Total Surplus/Deficit**	**1,967**	**2,215**	**699**	**469**	**1,299**	**1,015**	**-199**	**393**	**498**	**1,042**	**1**	**3,385**	**5,059**	**2,619**

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Obligations														
89 **Load Following**	4296	3926	3813	4067	4648	5099	5302	4979	4677	4469	4202	3895	4127	4468
90 Preference Customers	4342	4342	3984	4244	4938	5592	5547	5250	4744	4474	4474	4121	4208	4468
91 Federal Agencies	165	165	155	161	197	232	241	225	200	170	170	159	156	169
92 USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
93 Federal Diversity	-813	-1184	-852	-722	-693	-1001	-771	-762	-631	-613	-881	-912	-815	-786
94 **Tier 1 Block**	392	392	674	557	915	908	1029	915	856	446	446	157	20.6	367
95 Tier 1 Block	392	392	674	557	915	908	1029	915	856	446	446	157	20.6	367
96 **Slice**	3689	3740	3202	3327	4201	4498	4192	4067	3701	3629	3207	3759	4157	3983
97 Slice Block	1308	1308	1255	1313	1525	1740	1731	1592	1473	1374	1374	1330	1302	1360
98 Slice Output from T1 System	2381	2433	1947	2015	2676	2758	2461	2475	2229	2255	1833	2428	2855	2623
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**	1412	1497	1351	1351	1358	1358	1358	1358	1351	1351	1351	1351	1351	1372
102 Exports	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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**	**9801**	**9567**	**9052**	**9314**	**11133**	**11875**	**11893**	**11331**	**10598**	**9907**	**9218**	**9174**	**9667**	**10202**
Net Resources														
106 **Hydro**	12374	12697	10227	10383	13251	13701	12354	12400	11361	11566	9624	13618	15633	13462
107 Regulated Hydro - Net	11801	12133	9702	9907	12830	13385	12152	12170	10971	10948	8991	12799	14789	12853
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	0	0	1168
115 Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
116 Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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**	295	297	285	286	302	304	297	298	292	292	282	296	307	301
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	237	237	237	237	237	237	237	237	237	237	237	237	237	237
125 Slice Transmission Loss Return	57.3	58.6	46.9	48.5	64.4	66.4	59.2	59.6	53.6	54.3	44.1	58.4	68.7	63.1
126 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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127 **Reserves & Losses**	-2057	-2077	-1906	-1941	-2156	-2217	-2131	-2114	-2029	-2013	-1889	-2085	-2213	-2131
128 Operating Reserves	-740	-749	-659	-689	-811	-859	-818	-799	-747	-724	-663	-765	-826	-778
129 Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903
130 Transmission Losses	-414	-425	-344	-349	-441	-455	-410	-412	-379	-386	-322	-417	-484	-450
131 **Total Net Resources**	**11775**	**12079**	**9785**	**9910**	**12577**	**12969**	**11689**	**11752**	**10793**	**11005**	**9178**	**11829**	**13727**	**12800**
132 **Total Surplus/Deficit**	**1,973**	**2,512**	**733**	**595**	**1,444**	**1,094**	**-203**	**421**	**195**	**1,098**	**-40**	**2,656**	**4,061**	**2,597**

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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**	4286	3950	3838	4054	4655	5178	5198	4837	4571	4453	4226	4005	4169	4473
134	Preference Customers	4370	4370	4010	4270	4965	5621	5575	5259	4771	4499	4499	4143	4231	4492
135	Federal Agencies	164	164	154	161	197	232	241	222	200	171	171	159	156	169
136	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
137	Federal Diversity	-850	-1186	-852	-761	-713	-952	-903	-909	-764	-655	-882	-824	-797	-807
138	**Tier 1 Block**	389	389	667	553	894	923	968	855	865	429	429	157	20.5	350
139	Tier 1 Block	389	389	667	553	894	923	968	855	865	429	429	157	20.5	350
140	**Slice**	3741	3771	3226	3292	4178	4412	4179	3858	3626	3556	3158	3886	4502	3980
141	Slice Block	1331	1331	1277	1286	1494	1705	1696	1506	1443	1346	1346	1303	1276	1333
142	Slice Output from T1 System	2410	2440	1949	2006	2683	2708	2483	2352	2184	2209	1812	2583	3226	2647
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**	1412	1497	1351	1351	1358	1358	1358	1358	1351	1351	1351	1351	1351	1372
146	Exports	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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**	**9841**	**9620**	**9094**	**9262**	**11097**	**11884**	**11715**	**10921**	**10425**	**9801**	**9177**	**9411**	**10054**	**10187**
	Net Resources														
150	**Hydro**	12507	12730	10234	10342	13287	13470	12455	11833	11153	11357	9526	13177	16191	13572
151	Regulated Hydro - Net	11934	12167	9709	9866	12865	13155	12252	11603	10763	10739	8893	12358	15347	12963
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	1151	1154	1168
159	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
160	Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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**	296	297	285	286	303	303	298	295	291	291	282	300	316	302
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	237	237	237	237	237	237	237	237	237	237	237	237	237	237
169	Slice Transmission Loss Return	58.0	58.7	46.9	48.3	64.6	65.2	59.8	56.6	52.6	53.2	43.6	62.2	77.7	63.7
170	Augmentation Purchases	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

2019 White Book Report Date: **4/9/2020** *Continued*

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171 **Reserves & Losses**	-2069	-2083	-1910	-1941	-2161	-2206	-2141	-2082	-2019	-2013	-1895	-2090	-2289	-2141
172 Operating Reserves	-747	-754	-663	-691	-816	-856	-824	-785	-744	-731	-673	-745	-845	-784
173 Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903
174 Transmission Losses	-419	-426	-344	-347	-442	-447	-413	-393	-372	-379	-319	-442	-541	-454
175 **Total Net Resources**	**11897**	**12107**	**9788**	**9868**	**12607**	**12748**	**11781**	**11214**	**10593**	**10796**	**9073**	**12538**	**15372**	**12901**
176 **Total Surplus/Deficit**	**2,056**	**2,487**	**693**	**606**	**1,510**	**864**	**66**	**294**	**168**	**995**	**-103**	**3,127**	**5,318**	**2,714**

Loads and Resources - Federal System
Operating Year: 2025 Water Year: 1937
2019 White Book Report Date: **4/9/2020**
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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**	4307	4071	3841	4066	4654	5265	5508	4982	4588	4512	4286	3961	4208	4425
178	Preference Customers	4393	4393	4031	4298	4994	5651	5605	5312	4791	4526	4526	4167	4255	4517
179	Federal Agencies	164	164	154	162	199	234	243	227	202	172	172	161	157	170
180	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
181	Federal Diversity	-852	-1088	-871	-778	-744	-897	-625	-823	-770	-624	-850	-893	-782	-881
182	**Tier 1 Block**	384	384	683	532	890	919	963	886	861	428	428	156	20.5	348
183	Tier 1 Block	384	384	683	532	890	919	963	886	861	428	428	156	20.5	348
184	**Slice**	3717	3709	3199	3345	4190	4458	4255	3975	3657	3592	3199	3643	4325	3986
185	Slice Block	1305	1305	1251	1308	1520	1734	1725	1587	1468	1370	1370	1326	1298	1355
186	Slice Output from T1 System	2412	2404	1948	2036	2670	2724	2530	2389	2189	2222	1830	2317	3028	2630
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**	1412	1497	1351	1351	1358	1358	1358	1358	1351	1351	1351	1351	1351	1372
190	Exports	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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**	**9833**	**9674**	**9085**	**9306**	**11104**	**12012**	**12096**	**11213**	**10469**	**9895**	**9276**	**9123**	**9917**	**10143**
	Net Resources														
194	**Hydro**	12516	12565	10228	10482	13226	13544	12670	12001	11178	11416	9609	13107	16431	13495
195	Regulated Hydro - Net	11943	12001	9703	10006	12805	13228	12467	11771	10788	10799	8976	12287	15587	12886
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	0	0	1168
203	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
204	Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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**	296	296	285	287	302	304	299	295	291	291	282	294	311	301
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	237	237	237	237	237	237	237	237	237	237	237	237	237	237
213	Slice Transmission Loss Return	58.1	57.9	46.9	49.0	64.3	65.6	60.9	57.5	52.7	53.5	44.0	55.8	72.9	63.3
214	Augmentation Purchases	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

2019 White Book Report Date: **4/9/2020** *Continued*

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215 **Reserves & Losses**	-2072	-2075	-1912	-1952	-2159	-2212	-2156	-2094	-2022	-2017	-1901	-2048	-2266	-2137
216 Operating Reserves	-750	-752	-665	-697	-816	-860	-832	-792	-746	-733	-677	-745	-853	-783
217 Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903
218 Transmission Losses	-419	-420	-344	-352	-440	-450	-420	-399	-373	-381	-321	-400	-510	-451
219 **Total Net Resources**	**11903**	**11949**	**9780**	**9998**	**12548**	**12815**	**11982**	**11371**	**10616**	**10850**	**9150**	**11352**	**14476**	**12827**
220 **Total Surplus/Deficit**	**2,070**	**2,275**	**695**	**692**	**1,444**	**803**	**-114**	**158**	**148**	**956**	**-127**	**2,229**	**4,560**	**2,684**

Loads and Resources - Federal System
Operating Year: 2026 Water Year: 1937
2019 White Book Report Date: **4/9/2020**
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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**	4335	4170	3924	4113	4706	5257	5539	5032	4620	4533	4305	3998	4244	4435
222	Preference Customers	4418	4418	4054	4324	5020	5680	5634	5341	4825	4551	4551	4189	4276	4539
223	Federal Agencies	165	165	155	163	199	234	244	227	202	172	172	161	158	170
224	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
225	Federal Diversity	-850	-1015	-812	-757	-719	-933	-622	-802	-771	-628	-856	-878	-767	-893
226	**Tier 1 Block**	396	396	654	531	924	885	961	884	859	427	427	161	20.4	348
227	Tier 1 Block	396	396	654	531	924	885	961	884	859	427	427	161	20.4	348
228	**Slice**	3746	3743	3215	3317	4158	4416	4214	3937	3621	3558	3166	3862	4544	3965
229	Slice Block	1327	1327	1273	1280	1487	1697	1688	1553	1436	1340	1340	1297	1270	1326
230	Slice Output from T1 System	2419	2416	1942	2037	2671	2719	2526	2385	2185	2218	1826	2565	3274	2639
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	1158	1158	1151	1151	1151	1151	1151	1172
234	Exports	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
235	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
236	Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
237	**Total Firm Obligations**	**9902**	**9819**	**9156**	**9324**	**11157**	**11928**	**11884**	**11024**	**10264**	**9681**	**9061**	**9185**	**9972**	**9932**
	Net Resources														
238	**Hydro**	12548	12619	10203	10483	13227	13525	12651	11982	11160	11397	9590	13098	16412	13535
239	Regulated Hydro - Net	11975	12055	9679	10007	12806	13209	12449	11753	10770	10780	8957	12279	15569	12927
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	1151	1154	1168
247	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
248	Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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**	296	296	285	287	302	303	299	295	291	291	282	300	317	302
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	237	237	237	237	237	237	237	237	237	237	237	237	237	237
257	Slice Transmission Loss Return	58.2	58.1	46.7	49.0	64.3	65.5	60.8	57.4	52.6	53.4	43.9	61.7	78.8	63.5
258	Augmentation Purchases	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

2019 White Book Report Date: **4/9/2020** *Continued*

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259 **Reserves & Losses**	-2075	-2079	-1911	-1953	-2160	-2193	-2137	-2076	-2003	-1999	-1882	-2078	-2286	-2122
260 Operating Reserves	-752	-754	-666	-699	-817	-841	-814	-774	-728	-715	-658	-736	-834	-765
261 Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903
262 Transmission Losses	-420	-422	-343	-352	-440	-450	-420	-399	-373	-381	-321	-440	-549	-453
263 **Total Net Resources**	**11932**	**11999**	**9756**	**9998**	**12548**	**12815**	**11982**	**11371**	**10616**	**10850**	**9150**	**12470**	**15597**	**12883**
264 **Total Surplus/Deficit**	**2,030**	**2,180**	**600**	**674**	**1,391**	**888**	**98**	**347**	**353**	**1,169**	**89**	**3,285**	**5,626**	**2,951**

Loads and Resources - Federal System
Operating Year: 2027 Water Year: 1937
2019 White Book Report Date: **4/9/2020**
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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**	4387	4220	3939	4132	4667	5291	5591	5055	4615	4564	4230	4039	4283	4472
266	Preference Customers	4440	4440	4074	4354	5051	5713	5666	5366	4855	4581	4581	4215	4302	4567
267	Federal Agencies	165	165	155	163	200	235	245	228	203	172	172	161	158	171
268	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
269	Federal Diversity	-821	-988	-816	-768	-790	-934	-604	-805	-808	-628	-961	-864	-755	-884
270	**Tier 1 Block**	395	395	653	531	924	885	997	885	830	427	427	161	20.4	348
271	Tier 1 Block	395	395	653	531	924	885	997	885	830	427	427	161	20.4	348
272	**Slice**	3714	3710	3184	3339	4183	4451	4248	3969	3650	3586	3193	3639	4319	3979
273	Slice Block	1299	1299	1246	1306	1517	1731	1722	1584	1465	1367	1367	1323	1295	1353
274	Slice Output from T1 System	2415	2412	1938	2032	2667	2720	2526	2385	2185	2219	1826	2316	3024	2626
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**	1212	1297	1151	1151	1158	1158	1158	1158	1151	1151	1151	1151	1151	1172
278	Exports	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
279	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
280	Firm Surplus Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
281	**Total Firm Obligations**	**9720**	**9635**	**8938**	**9165**	**10944**	**11796**	**12006**	**11078**	**10258**	**9739**	**9014**	**9002**	**9786**	**9983**
	Net Resources														
282	**Hydro**	12530	12600	10185	10464	13208	13526	12653	11983	11161	11399	9591	13099	16414	13477
283	Regulated Hydro - Net	11957	12037	9660	9988	12787	13211	12450	11754	10771	10781	8958	12280	15570	12869
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	0	0	1168
291	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
292	Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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**	296	296	285	287	302	303	299	295	291	291	282	294	311	301
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	237	237	237	237	237	237	237	237	237	237	237	237	237	237
301	Slice Transmission Loss Return	58.1	58.0	46.7	48.9	64.2	65.5	60.8	57.4	52.6	53.4	44.0	55.7	72.8	63.2
302	Augmentation Purchases	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

2019 White Book Report Date: **4/9/2020** *Continued*

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303 **Reserves & Losses**	-2056	-2061	-1892	-1934	-2142	-2195	-2138	-2077	-2004	-2000	-1884	-2040	-2248	-2119
304 Operating Reserves	-734	-736	-647	-680	-799	-842	-815	-775	-729	-716	-659	-737	-835	-765
305 Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903
306 Transmission Losses	-420	-422	-343	-352	-440	-450	-420	-399	-373	-381	-321	-400	-510	-451
307 **Total Net Resources**	**11932**	**11999**	**9756**	**9998**	**12548**	**12815**	**11982**	**11371**	**10616**	**10850**	**9150**	**11352**	**14476**	**12827**
308 **Total Surplus/Deficit**	**2,212**	**2,364**	**817**	**833**	**1,604**	**1,019**	**-24**	**293**	**358**	**1,111**	**136**	**2,350**	**4,691**	**2,844**

Loads and Resources - Federal System
Operating Year: 2028 Water Year: 1937
2019 White Book Report Date: **4/9/2020**
S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
309	**Load Following**	4410	4244	3959	4168	4616	5322	5617	5059	4637	4460	4327	3998	4264	4565
310	Preference Customers	4467	4467	4100	4380	5079	5742	5696	5375	4882	4607	4607	4237	4323	4588
311	Federal Agencies	166	166	155	163	200	235	245	225	203	173	173	161	158	171
312	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
313	Federal Diversity	-825	-991	-823	-758	-869	-932	-608	-806	-813	-758	-891	-927	-796	-813
314	**Tier 1 Block**	395	395	653	551	890	886	998	851	831	443	443	156	20.5	360
315	Tier 1 Block	395	395	653	551	890	886	998	851	831	443	443	156	20.5	360
316	**Slice**	3740	3737	3209	3315	4156	4419	4217	3886	3623	3561	3168	3865	4546	3968
317	Slice Block	1325	1325	1271	1282	1489	1699	1691	1501	1438	1342	1342	1299	1271	1328
318	Slice Output from T1 System	2415	2412	1938	2033	2667	2720	2526	2385	2186	2219	1826	2566	3275	2640
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	1203	1288	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**	**9770**	**9686**	**8984**	**9197**	**10831**	**11797**	**12002**	**10967**	**10254**	**9626**	**9101**	**9182**	**9993**	**10078**
	Net Resources														
326	**Hydro**	12531	12601	10186	10465	13210	13528	12654	11984	11162	11400	9593	13100	16415	13538
327	Regulated Hydro - Net	11958	12038	9661	9989	12788	13212	12451	11754	10772	10782	8959	12281	15571	12929
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	1151	1154	1168
335	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
336	Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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**	296	296	285	287	302	303	299	295	291	291	282	300	317	302
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	237	237	237	237	237	237	237	237	237	237	237	237	237	237
345	Slice Transmission Loss Return	58.1	58.1	46.7	48.9	64.2	65.5	60.8	57.4	52.6	53.4	44.0	61.8	78.8	63.5
346	Augmentation Purchases	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

2019 White Book Report Date: **4/9/2020** *Continued*

S184-WB-20191230-103442

347 **Reserves & Losses**	-2058	-2062	-1894	-1936	-2143	-2196	-2140	-2078	-2005	-2001	-1885	-2081	-2288	-2124
348 Operating Reserves	-735	-737	-648	-681	-800	-844	-816	-776	-730	-717	-660	-738	-836	-768
349 Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903
350 Transmission Losses	-420	-422	-343	-352	-440	-450	-420	-399	-373	-381	-321	-440	-549	-453
351 **Total Net Resources**	**11932**	**11999**	**9756**	**9998**	**12548**	**12815**	**11982**	**11371**	**10616**	**10850**	**9150**	**12470**	**15597**	**12883**
352 **Total Surplus/Deficit**	**2,162**	**2,313**	**772**	**801**	**1,717**	**1,018**	**-20**	**404**	**362**	**1,224**	**49**	**3,289**	**5,604**	**2,805**

Loads and Resources - Federal System
Operating Year: 2029 Water Year: 1937
2019 White Book Report Date: **4/9/2020**
S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
353	**Load Following**	4324	4109	3983	4176	4643	5395	5584	5129	4502	4490	4415	4038	4329	4599
354	Preference Customers	4489	4489	4120	4406	5106	5771	5726	5430	4902	4633	4633	4260	4346	4613
355	Federal Agencies	166	166	156	163	200	236	245	229	203	173	173	162	158	171
356	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
357	Federal Diversity	-933	-1148	-819	-777	-869	-888	-672	-795	-968	-755	-829	-910	-754	-803
358	**Tier 1 Block**	382	382	654	549	887	916	959	883	828	442	442	156	20.4	359
359	Tier 1 Block	382	382	654	549	887	916	959	883	828	442	442	156	20.4	359
360	**Slice**	3717	3713	3186	3332	4175	4441	4239	3961	3643	3579	3186	3631	4313	3973
361	Slice Block	1301	1301	1247	1299	1508	1721	1712	1575	1457	1360	1360	1315	1288	1346
362	Slice Output from T1 System	2416	2412	1939	2033	2667	2720	2526	2385	2186	2219	1826	2316	3024	2627
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	1203	1288	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**	**9647**	**9514**	**8985**	**9220**	**10875**	**11922**	**11951**	**11142**	**10135**	**9673**	**9206**	**8988**	**9825**	**10115**
	Net Resources														
370	**Hydro**	12532	12602	10187	10466	13211	13529	12655	11986	11163	11401	9593	13101	16415	13479
371	Regulated Hydro - Net	11959	12039	9662	9990	12789	13213	12453	11756	10773	10783	8960	12282	15572	12871
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	0	0	1168
379	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
380	Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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**	296	296	285	287	302	303	299	295	291	291	282	294	311	301
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	237	237	237	237	237	237	237	237	237	237	237	237	237	237
389	Slice Transmission Loss Return	58.1	58.1	46.7	48.9	64.2	65.5	60.8	57.4	52.6	53.4	44.0	55.7	72.8	63.2
390	Augmentation Purchases	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

2019 White Book Report Date: **4/9/2020** *Continued*

S184-WB-20191230-103442

391 **Reserves & Losses**	-2059	-2063	-1895	-1937	-2144	-2197	-2141	-2079	-2006	-2002	-1886	-2042	-2250	-2121
392 Operating Reserves	-736	-738	-649	-682	-801	-845	-817	-777	-731	-718	-661	-739	-837	-767
393 Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903
394 Transmission Losses	-420	-422	-343	-352	-440	-450	-420	-399	-373	-381	-321	-400	-510	-451
395 **Total Net Resources**	**11932**	**11999**	**9756**	**9998**	**12548**	**12815**	**11982**	**11371**	**10616**	**10850**	**9150**	**11352**	**14476**	**12827**
396 **Total Surplus/Deficit**	**2,285**	**2,485**	**771**	**778**	**1,673**	**893**	**31**	**229**	**481**	**1,177**	**-57**	**2,365**	**4,651**	**2,712**

Loads and Resources - Federal System
Operating Year: 2030 Water Year: 1937
2019 White Book Report Date: **4/9/2020**
S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
397	**Load Following**	4333	4048	3954	4124	4609	5419	5600	5162	4602	4477	4402	4043	4376	4560
398	Preference Customers	4512	4512	4143	4432	5134	5801	5754	5459	4935	4657	4657	4281	4368	4635
399	Federal Agencies	166	166	156	164	200	236	246	229	203	173	173	162	159	172
400	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
401	Federal Diversity	-948	-1233	-871	-855	-931	-895	-683	-791	-901	-791	-867	-926	-729	-864
402	**Tier 1 Block**	381	381	677	530	887	916	959	883	858	426	426	156	20.4	347
403	Tier 1 Block	381	381	677	530	887	916	959	883	858	426	426	156	20.4	347
404	**Slice**	3734	3730	3203	3309	4149	4411	4209	3933	3617	3555	3162	3859	4541	3962
405	Slice Block	1318	1318	1264	1276	1482	1690	1682	1547	1431	1335	1335	1292	1266	1322
406	Slice Output from T1 System	2416	2412	1939	2033	2667	2721	2527	2386	2186	2219	1827	2566	3275	2640
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	1203	1288	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**	**9672**	**9469**	**8997**	**9126**	**10815**	**11915**	**11938**	**11148**	**10240**	**9621**	**9153**	**9221**	**10100**	**10054**
	Net Resources														
414	**Hydro**	12533	12603	10188	10467	13212	13530	12656	11987	11164	11402	9594	13102	16416	13539
415	Regulated Hydro - Net	11960	12040	9663	9991	12790	13215	12454	11757	10774	10784	8961	12283	15573	12931
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	1151	1154	1168
423	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
424	Coal - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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**	296	296	285	287	302	303	299	295	291	291	282	300	317	302
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	237	237	237	237	237	237	237	237	237	237	237	237	237	237
433	Slice Transmission Loss Return	58.1	58.1	46.7	48.9	64.2	65.5	60.8	57.4	52.6	53.4	44.0	61.8	78.8	63.5
434	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Loads and Resources - Federal System

Operating Year: 2030 Water Year: 1937

2019 White Book Report Date: **4/9/2020** *Continued*

S184-WB-20191230-103442

435 **Reserves & Losses**	-2060	-2064	-1895	-1938	-2145	-2198	-2142	-2080	-2007	-2003	-1887	-2082	-2290	-2126
436 Operating Reserves	-737	-739	-650	-683	-802	-846	-818	-779	-732	-719	-662	-740	-838	-770
437 Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903
438 Transmission Losses	-420	-422	-343	-352	-440	-450	-420	-399	-373	-381	-321	-440	-549	-453
439 **Total Net Resources**	**11932**	**11999**	**9756**	**9998**	**12548**	**12815**	**11982**	**11371**	**10616**	**10850**	**9150**	**12470**	**15597**	**12883**
440 **Total Surplus/Deficit**	**2,260**	**2,530**	**759**	**871**	**1,733**	**900**	**44**	**223**	**376**	**1,229**	**-4**	**3,250**	**5,497**	**2,829**

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Exhibit 24
Regional Report Surplus Deficit

Monthly 1-Hour Capacity
Operating Year 2021 to 2030
Using 1937-Water Conditions

Loads and Resources - Pacific Northwest Region

Operating Year: 2021 Water Year: 1937

2019 White Book Report Date: **2/7/2020**

S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regional Loads														
1	**Retail Loads**	30188	29951	27107	27886	31925	34367	34364	32927	30281	28425	28307	27037	28406	30548
2	Federal Agency	157	157	148	162	193	228	239	223	198	177	177	170	166	179
3	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
4	Cooperative	3130	3130	2867	2907	3270	3697	3631	3480	3177	3096	3096	3037	3144	3311
5	Municipality	3230	3230	3030	3453	3941	4345	4348	4157	3821	3475	3475	3000	3060	3249
6	Public Utility District	5563	5563	5165	5692	6619	7314	7393	6954	6432	5956	5956	5405	5366	5668
7	Investor-Owned Utility	17865	17865	15759	15605	17876	19081	18808	18183	16522	15561	15561	15340	16468	17914
8	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
9	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
10	Federal Diversity	-773	-1010	-803	-731	-596	-989	-753	-750	-649	-692	-810	-855	-791	-805
11	**Exports**	1758	1843	1696	1387	1379	1379	1402	1402	1402	1402	1410	1410	1719	1741
12	Canada	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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	51.5	51.5	51.5	51.5	51.5	51.5	0	0	0	0	0	0	0	0
15	Pacific Southwest	502	502	502	193	185	185	160	160	160	160	168	168	477	477
16	Other	0	0	0	0	0	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
17	**Total Regional Loads**	**31946**	**31794**	**28803**	**29274**	**33305**	**35746**	**35766**	**34329**	**31684**	**29827**	**29717**	**28447**	**30125**	**32289**
	Regional Resources														
18	**Hydro**	23683	23583	24641	21288	23964	24506	23759	22952	22391	22154	20939	24563	28449	25347
19	Regulated Hydro - Net	21654	21565	22743	19492	22284	22873	22361	21576	20699	20064	18825	22120	25927	23155
20	Independent Hydro - Net	1664	1656	1614	1595	1512	1472	1243	1207	1485	1765	1789	1997	2059	1749
21	Small Hydro - Net	365	363	284	201	168	161	156	169	207	324	325	446	463	443
22	**Hon-Hydro Renewable**	354	354	354	355	354	354	343	355	354	354	354	355	353	353
23	Wind - Net	137	137	137	137	137	137	137	137	137	137	137	137	137	137
24	Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
26	**Thermal**	15870	15870	15963	16106	16257	15673	15100	15047	14358	14604	12690	12257	12978	14633
27	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
28	Coal - Net	5561	5561	5560	5561	5561	4892	4322	4322	4321	4321	4321	3932	4265	4320
29	Natural Gas - Net	6463	6463	6523	6618	6749	6819	6825	6778	6730	6687	5252	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
32	Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2368	1888	2112	2618	2611
33	**Imports**	992	992	861	852	1102	1206	1180	1212	914	769	769	811	1064	1068
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	771	771	640	580	575	657	600	599	576	547	547	589	843	922
37	Pacific Southwest	75.0	75.0	75.0	125	425	425	425	425	125	75.0	75.0	75.0	75.0	0
38	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	**Reserves & Losses**	-4094	-4088	-4066	-3891	-4176	-4259	-4227	-4134	-3967	-3927	-3743	-3931	-4271	-4195
40	Operating Reserves	-1967	-1964	-1906	-1837	-2024	-2108	-2060	-1992	-1873	-1836	-1755	-1837	-2018	-1991
41	Balancing Reserves	-839	-839	-839	-840	-840	-840	-903	-903	-903	-903	-903	-903	-903	-903
42	Transmission Losses	-1288	-1284	-1321	-1214	-1312	-1311	-1265	-1239	-1191	-1188	-1085	-1191	-1349	-1302
43	**Total Regional Resources**	**36805**	**36712**	**37753**	**34710**	**37501**	**37480**	**36154**	**35432**	**34050**	**33954**	**31009**	**34054**	**38573**	**37206**
44	**Total Surplus/Deficit**	**4859**	**4918**	**8950**	**5436**	**4197**	**1734**	**388**	**1102**	**2367**	**4127**	**1292**	**5607**	**8448**	**4918**

Loads and Resources - Pacific Northwest Region

Operating Year: 2022 Water Year: 1937

2019 White Book Report Date: **2/7/2020**

S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regional Loads														
45	**Retail Loads**	30466	30220	27353	28221	32172	34690	34889	33483	30803	28945	28684	27487	28862	31067
46	Federal Agency	174	174	164	174	207	242	252	235	210	184	184	173	170	182
47	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
48	Cooperative	3222	3222	2945	2986	3363	3777	3711	3563	3262	3197	3197	3125	3233	3418
49	Municipality	3233	3233	3032	3456	3945	4348	4353	4162	3825	3479	3479	3004	3064	3253
50	Public Utility District	5672	5672	5270	5803	6741	7444	7734	7286	6755	6248	6248	5689	5640	5947
51	Investor-Owned Utility	17951	17951	15843	15692	17966	19169	18905	18282	16617	15655	15655	15429	16560	18007
52	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
53	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
54	Federal Diversity	-801	-1047	-842	-689	-669	-983	-765	-726	-645	-671	-932	-874	-797	-773
55	**Exports**	1724	1809	1663	1354	1346	1346	1143	1143	1143	1143	1151	1151	1460	1481
56	Canada	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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	420	420	420	111	103	103	0	0	0	0	8.04	8.04	317	317
60	Other	100.0	100.0	100.0	100.0	100.0	100.0	0	0	0	0	0	0	0	0
61	**Total Regional Loads**	**32190**	**32029**	**29016**	**29574**	**33518**	**36035**	**36032**	**34625**	**31946**	**30088**	**29834**	**28637**	**30322**	**32548**
	Regional Resources														
62	**Hydro**	23956	23992	21497	21622	24145	25252	23942	23525	22929	22326	20953	24750	27911	25445
63	Regulated Hydro - Net	21927	21973	19608	19906	22545	23700	22544	22149	21236	20237	18839	22307	25389	23253
64	Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
65	Small Hydro - Net	365	363	284	201	168	161	156	169	207	324	325	446	463	443
66	**Hon-Hydro Renewable**	354	354	354	355	354	354	343	355	354	354	354	355	353	353
67	Wind - Net	137	137	137	137	137	137	137	137	137	137	137	137	137	137
68	Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
70	**Thermal**	14630	14630	14723	14866	15017	15103	14973	14920	14231	12550	11732	13672	14060	14506
71	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
72	Coal - Net	4321	4321	4320	4321	4321	4322	4195	4195	4194	3119	3119	4196	4193	4193
73	Natural Gas - Net	6463	6463	6523	6618	6749	6819	6825	6778	6730	6307	5252	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
76	Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	1896	2133	2112	2618	2611
77	**Imports**	925	925	790	731	980	1085	1059	1091	793	697	697	740	998	1078
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	779	779	644	584	578	661	604	603	580	550	550	593	852	932
81	Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
82	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	**Reserves & Losses**	-4100	-4102	-3860	-3898	-4174	-4333	-4246	-4177	-4007	-3857	-3714	-4011	-4285	-4211
84	Operating Reserves	-1946	-1947	-1785	-1817	-2001	-2120	-2081	-2024	-1904	-1832	-1760	-1866	-2016	-2008
85	Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903
86	Transmission Losses	-1251	-1252	-1172	-1178	-1271	-1310	-1262	-1249	-1200	-1122	-1050	-1242	-1366	-1300
87	**Total Regional Resources**	**35764**	**35799**	**33504**	**33676**	**36322**	**37461**	**36071**	**35715**	**34300**	**32071**	**30023**	**35505**	**39037**	**37171**
88	**Total Surplus/Deficit**	**3574**	**3770**	**4488**	**4102**	**2805**	**1426**	**39.3**	**1089**	**2354**	**1983**	**189**	**6868**	**8716**	**4624**

Loads and Resources - Pacific Northwest Region
Operating Year: 2023 Water Year: 1937
2019 White Book Report Date: **2/7/2020**
S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regional Loads														
89	**Retail Loads**	30932	30561	27812	28688	32679	35226	35143	33681	31044	29223	28955	27653	29036	31231
90	Federal Agency	177	177	167	173	205	240	249	233	208	183	183	171	168	181
91	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
92	Cooperative	3317	3317	3043	3103	3469	3887	3835	3663	3366	3298	3298	3220	3340	3508
93	Municipality	3237	3237	3036	3460	3949	4353	4356	4165	3827	3480	3480	3005	3066	3255
94	Public Utility District	5954	5954	5543	6088	7066	7791	7772	7319	6782	6273	6273	5708	5633	5941
95	Investor-Owned Utility	18043	18043	15934	15786	18062	19265	19002	18382	16713	15749	15749	15519	16652	18100
96	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
97	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
98	Federal Diversity	-813	-1184	-852	-722	-693	-1001	-771	-762	-631	-613	-881	-912	-815	-786
99	**Exports**	1521	1606	1460	1151	1143	1143	1143	1143	1143	1143	1151	1151	1460	1481
100	Canada	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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	317	317	317	8.04	0	0	0	0	0	0	8.04	8.04	317	317
104	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	**Total Regional Loads**	**32453**	**32168**	**29271**	**29839**	**33822**	**36369**	**36285**	**34823**	**32187**	**30365**	**30106**	**28804**	**30496**	**32712**
	Regional Resources														
106	**Hydro**	23947	24211	21548	21697	24250	25285	23996	23439	22723	22583	21068	24955	27781	25338
107	Regulated Hydro - Net	21918	22193	19659	19981	22650	23733	22598	22063	21031	20494	18954	22513	25259	23146
108	Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
109	Small Hydro - Net	365	363	284	201	168	161	156	169	207	324	325	445	463	443
110	**Hon-Hydro Renewable**	354	354	354	355	354	354	343	355	354	354	354	355	353	353
111	Wind - Net	137	137	137	137	137	137	137	137	137	137	137	137	137	137
112	Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
114	**Thermal**	14503	14503	14566	14711	14861	14944	14941	14889	14200	13593	12577	12435	12821	14477
115	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
116	Coal - Net	4194	4194	4193	4194	4194	4195	4195	4195	4194	3341	3859	4140	4138	4193
117	Natural Gas - Net	6463	6463	6493	6590	6720	6787	6793	6747	6699	6656	5601	6114	5996	6436
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
120	Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2368	1888	2112	2618	2611
121	**Imports**	934	934	794	735	983	1089	1062	1094	796	701	701	744	1007	1088
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	788	788	648	588	581	665	607	606	583	554	554	597	861	942
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**	-4109	-4125	-3871	-3911	-4191	-4346	-4255	-4177	-4000	-3928	-3756	-3988	-4241	-4209
128	Operating Reserves	-1960	-1967	-1800	-1834	-2020	-2137	-2090	-2028	-1905	-1860	-1770	-1878	-2018	-2010
129	Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903
130	Transmission Losses	-1246	-1255	-1168	-1175	-1268	-1306	-1262	-1245	-1192	-1165	-1083	-1207	-1320	-1296
131	**Total Regional Resources**	**35628**	**35877**	**33391**	**33586**	**36258**	**37326**	**36087**	**35600**	**34073**	**33303**	**30944**	**34501**	**37721**	**37047**
132	**Total Surplus/Deficit**	**3175**	**3710**	**4120**	**3747**	**2436**	**958**	**-199**	**777**	**1887**	**2938**	**839**	**5697**	**7226**	**4336**

Loads and Resources - Pacific Northwest Region

Operating Year: 2024 Water Year: 1937

2019 White Book Report Date: **2/7/2020**

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regional Loads														
1	**Retail Loads**	31060	30724	27977	28806	32817	35447	35193	33143	31093	29345	29118	27895	29223	31382
2	Federal Agency	176	176	166	173	205	240	250	230	208	183	183	172	168	181
3	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
4	Cooperative	3405	3405	3141	3188	3551	3982	3916	3728	3460	3378	3378	3297	3403	3572
5	Municipality	3239	3239	3038	3462	3951	4356	4358	4166	3829	3482	3482	3006	3068	3257
6	Public Utility District	5937	5937	5519	6064	7043	7769	7775	7317	6775	6264	6264	5699	5647	5957
7	Investor-Owned Utility	18136	18136	16025	15881	18159	19361	19096	17931	16805	15840	15840	15605	16741	18189
8	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
9	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
10	Federal Diversity	-850	-1186	-852	-761	-713	-952	-903	-909	-764	-655	-882	-824	-797	-807
11	**Exports**	1521	1606	1460	1151	1143	1143	1143	1143	1143	1143	1151	1151	1460	1481
12	Canada	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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	0	0	0	0	0	0	0	0	0	0	0
15	Pacific Southwest	317	317	317	8.04	0	0	0	0	0	0	8.04	8.04	317	317
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Total Regional Loads**	**32581**	**32330**	**29437**	**29957**	**33960**	**36590**	**36335**	**34286**	**32235**	**30487**	**30269**	**29046**	**30682**	**32863**
	Regional Resources														
18	**Hydro**	24042	24245	21555	21326	24286	25055	24097	22872	22385	22374	20970	24514	28339	25448
19	Regulated Hydro - Net	22013	22226	19666	19610	22686	23502	22699	21496	20693	20285	18856	22072	25817	23256
20	Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
21	Small Hydro - Net	365	363	284	201	168	161	156	169	207	324	325	445	463	443
22	**Hon-Hydro Renewable**	354	354	354	355	354	354	343	355	354	354	354	355	353	353
23	Wind - Net	137	137	137	137	137	137	137	137	137	137	137	137	137	137
24	Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
26	**Thermal**	14474	14474	14566	14708	14858	14944	14941	14869	14180	14066	12532	13251	13975	14477
27	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
28	Coal - Net	4194	4194	4193	4194	4194	4195	4195	4195	4194	4194	4194	3805	4138	4193
29	Natural Gas - Net	6434	6434	6493	6588	6717	6787	6793	6727	6679	6276	5221	6114	5996	6436
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
32	Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2368	1888	2112	2618	2611
33	**Imports**	942	942	799	739	986	1093	1065	1098	800	705	705	748	1016	1097
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	796	796	653	592	584	669	610	610	587	558	558	601	870	951
37	Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
38	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	**Reserves & Losses**	-4119	-4131	-3877	-3893	-4198	-4337	-4267	-4130	-3983	-3945	-3762	-3983	-4319	-4221
40	Operating Reserves	-1967	-1973	-1805	-1827	-2025	-2136	-2098	-2000	-1900	-1868	-1782	-1860	-2039	-2018
41	Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903
42	Transmission Losses	-1249	-1255	-1168	-1163	-1269	-1298	-1266	-1227	-1180	-1174	-1077	-1220	-1377	-1300
43	**Total Regional Resources**	**35693**	**35884**	**33398**	**33235**	**36287**	**37109**	**36179**	**35064**	**33736**	**33554**	**30799**	**34885**	**39364**	**37154**
44	**Total Surplus/Deficit**	**3112**	**3554**	**3962**	**3278**	**2327**	**519**	**-157**	**778**	**1501**	**3067**	**530**	**5839**	**8682**	**4291**

Loads and Resources - Pacific Northwest Region

Operating Year: 2025 Water Year: 1937

2019 White Book Report Date: **2/7/2020**

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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**	31225	30989	28105	28946	32952	35658	35640	33970	31226	29518	29292	27959	29373	31447
46	Federal Agency	176	176	166	174	207	242	252	235	210	184	184	173	169	182
47	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
48	Cooperative	3468	3468	3189	3241	3603	4021	3956	3791	3485	3402	3402	3319	3425	3595
49	Municipality	3241	3241	3040	3464	3953	4358	4361	4170	3831	3484	3484	3008	3069	3259
50	Public Utility District	5949	5949	5528	6076	7059	7788	7811	7348	6799	6293	6293	5726	5674	5985
51	Investor-Owned Utility	18226	18226	16113	15972	18253	19453	19185	18569	16892	15926	15926	15686	16826	18274
52	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
53	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
54	Federal Diversity	-852	-1088	-871	-778	-744	-897	-625	-823	-770	-624	-850	-893	-782	-881
55	**Exports**	1521	1606	1460	1151	1143	1143	1143	1143	1143	1143	1151	1151	1460	1481
56	Canada	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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	317	317	317	8.04	0	0	0	0	0	0	8.04	8.04	317	317
60	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	**Total Regional Loads**	**32746**	**32595**	**29565**	**30097**	**34094**	**36801**	**36782**	**35112**	**32369**	**30660**	**30443**	**29110**	**30833**	**32928**
	Regional Resources														
62	**Hydro**	24051	24080	21549	21466	24225	25128	24312	23040	22411	22433	21053	24444	28579	25371
63	Regulated Hydro - Net	22022	22061	19660	19750	22625	23576	22914	21664	20718	20344	18938	22001	26057	23179
64	Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
65	Small Hydro - Net	365	363	284	201	168	161	156	169	207	324	325	445	463	443
66	**Hon-Hydro Renewable**	354	354	354	355	354	354	343	355	354	354	354	355	353	353
67	Wind - Net	137	137	137	137	137	137	137	137	137	137	137	137	137	137
68	Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
70	**Thermal**	14474	14474	14566	14708	14858	14944	14941	14869	14180	12854	11792	12100	12821	14477
71	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
72	Coal - Net	4194	4194	4193	4194	4194	4195	4195	4195	4194	3454	3454	3805	4138	4193
73	Natural Gas - Net	6434	6434	6493	6588	6717	6787	6793	6727	6679	6276	5221	6114	5996	6436
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
76	Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	1896	1888	2112	2618	2611
77	**Imports**	950	950	803	742	990	1097	1068	1101	804	708	708	751	1025	1107
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	804	804	657	595	588	673	613	613	591	561	561	604	879	961
81	Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
82	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	**Reserves & Losses**	-4125	-4126	-3880	-3906	-4199	-4346	-4270	-4146	-3974	-3883	-3732	-3929	-4285	-4206
84	Operating Reserves	-1973	-1973	-1809	-1836	-2028	-2142	-2094	-2011	-1889	-1845	-1773	-1846	-2035	-2005
85	Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903
86	Transmission Losses	-1249	-1250	-1168	-1167	-1267	-1301	-1273	-1232	-1182	-1136	-1056	-1180	-1347	-1298
87	**Total Regional Resources**	**35704**	**35732**	**33392**	**33365**	**36230**	**37178**	**36394**	**35218**	**33775**	**32466**	**30175**	**33720**	**38493**	**37102**
88	**Total Surplus/Deficit**	**2958**	**3136**	**3828**	**3268**	**2135**	**377**	**-388**	**106**	**1406**	**1806**	**-268**	**4610**	**7661**	**4174**

Loads and Resources - Pacific Northwest Region
Operating Year: 2026 Water Year: 1937
2019 White Book Report Date: **2/7/2020**
S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regional Loads														
89	**Retail Loads**	31366	31201	28297	29108	33123	35771	35799	34148	31381	29658	29430	28110	29527	31575
90	Federal Agency	177	177	167	174	207	242	252	235	210	184	184	173	170	183
91	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
92	Cooperative	3491	3491	3211	3266	3628	4047	3983	3817	3510	3427	3427	3340	3446	3617
93	Municipality	3243	3243	3041	3465	3955	4361	4364	4172	3833	3485	3485	3009	3070	3261
94	Public Utility District	5978	5978	5554	6105	7090	7823	7855	7390	6844	6329	6329	5761	5709	6021
95	Investor-Owned Utility	18310	18310	16195	16058	18340	19540	19270	18656	16975	16008	16008	15764	16907	18355
96	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
97	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
98	Federal Diversity	-850	-1015	-812	-757	-719	-933	-622	-802	-771	-628	-856	-878	-767	-893
99	**Exports**	1521	1606	1460	1151	1143	1143	1143	1143	1143	1143	1151	1151	1460	1481
100	Canada	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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	317	317	317	8.04	0	0	0	0	0	0	8.04	8.04	317	317
104	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	**Total Regional Loads**	**32887**	**32807**	**29757**	**30259**	**34265**	**36914**	**36942**	**35291**	**32524**	**30800**	**30581**	**29261**	**30986**	**33056**
	Regional Resources														
106	**Hydro**	24083	24134	21524	21467	24226	25109	24293	23022	22392	22414	21034	24435	28560	25374
107	Regulated Hydro - Net	22055	22115	19635	19751	22626	23557	22895	21646	20700	20325	18920	21993	26038	23182
108	Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
109	Small Hydro - Net	365	363	284	201	168	161	156	169	207	324	325	445	463	443
110	**Hon-Hydro Renewable**	354	354	354	355	354	354	343	355	354	354	354	355	353	353
111	Wind - Net	137	137	137	137	137	137	137	137	137	137	137	137	137	137
112	Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
114	**Thermal**	14474	14474	14566	14708	14858	14274	14138	14065	13376	12745	11728	12783	13171	13673
115	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
116	Coal - Net	4194	4194	4193	4194	4194	3525	3392	3392	3390	2872	3390	3337	3334	3389
117	Natural Gas - Net	6434	6434	6493	6588	6717	6787	6793	6727	6679	6276	5221	6114	5996	6436
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
120	Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2368	1888	2112	2618	2611
121	**Imports**	958	958	808	746	993	1100	1071	1104	808	712	712	755	1035	1117
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	812	812	662	599	591	676	616	616	595	565	565	608	889	971
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**	-4117	-4119	-3868	-3895	-4188	-4292	-4220	-4096	-3924	-3870	-3707	-3939	-4274	-4158
128	Operating Reserves	-1963	-1964	-1797	-1825	-2017	-2111	-2070	-1988	-1866	-1836	-1750	-1833	-2012	-1983
129	Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903
130	Transmission Losses	-1251	-1252	-1168	-1168	-1268	-1278	-1246	-1205	-1155	-1132	-1054	-1203	-1359	-1272
131	**Total Regional Resources**	**35753**	**35800**	**33385**	**33381**	**36244**	**36545**	**35625**	**34449**	**33006**	**32355**	**30122**	**34388**	**38846**	**36360**
132	**Total Surplus/Deficit**	**2866**	**2993**	**3628**	**3122**	**1979**	**-368**	**-1317**	**-842**	**483**	**1554**	**-459**	**5127**	**7859**	**3304**

Loads and Resources - Pacific Northwest Region

Operating Year: 2027 Water Year: 1937

2019 White Book Report Date: **2/7/2020**

S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regional Loads														
1	**Retail Loads**	31535	31368	28427	29233	33194	35916	35959	34280	31480	29791	29458	28248	29666	31715
2	Federal Agency	177	177	167	175	208	243	253	236	211	185	185	173	170	183
3	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
4	Cooperative	3512	3512	3231	3289	3653	4073	4008	3835	3534	3450	3450	3360	3466	3637
5	Municipality	3245	3245	3042	3467	3957	4363	4366	4174	3835	3486	3486	3010	3072	3262
6	Public Utility District	6013	6013	5587	6131	7121	7855	7881	7415	6868	6353	6353	5783	5731	6046
7	Investor-Owned Utility	18392	18392	16275	16140	18425	19624	19356	18744	17060	16091	16091	15843	16989	18438
8	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
9	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
10	Federal Diversity	-821	-988	-816	-768	-790	-934	-604	-805	-808	-628	-961	-864	-755	-884
11	**Exports**	1521	1606	1460	1151	1143	1143	1143	1143	1143	1143	1151	1151	1460	1481
12	Canada	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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	0	0	0	0	0	0	0	0	0	0	0
15	Pacific Southwest	317	317	317	8.04	0	0	0	0	0	0	8.04	8.04	317	317
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Total Regional Loads**	**33056**	**32974**	**29886**	**30383**	**34337**	**37058**	**37102**	**35422**	**32623**	**30934**	**30609**	**29399**	**31126**	**33196**
	Regional Resources														
18	**Hydro**	24065	24115	21506	21449	24207	25111	24295	23023	22393	22416	21035	24436	28561	25353
19	Regulated Hydro - Net	22036	22096	19616	19732	22607	23559	22896	21647	20701	20326	18921	21994	26040	23161
20	Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
21	Small Hydro - Net	365	363	284	201	168	161	156	169	207	324	325	445	463	443
22	**Hon-Hydro Renewable**	354	354	354	355	354	354	343	355	354	354	354	355	353	353
23	Wind - Net	137	137	137	137	137	137	137	137	137	137	137	137	137	137
24	Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
26	**Thermal**	13670	13670	13763	13907	14057	14141	14138	14065	13376	13263	11728	11632	12017	13673
27	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
28	Coal - Net	3391	3391	3390	3390	3390	3391	3392	3392	3390	3390	3390	3337	3334	3389
29	Natural Gas - Net	6434	6434	6493	6590	6720	6787	6793	6727	6679	6276	5221	6114	5996	6436
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
32	Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2368	1888	2112	2618	2611
33	**Imports**	967	967	812	750	996	1104	1075	1107	811	716	716	759	1044	1127
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	821	821	666	603	594	680	620	619	598	569	569	612	898	981
37	Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
38	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	**Reserves & Losses**	-4067	-4070	-3818	-3845	-4138	-4285	-4224	-4100	-3928	-3892	-3711	-3904	-4239	-4161
40	Operating Reserves	-1940	-1941	-1774	-1801	-1994	-2107	-2075	-1992	-1871	-1840	-1754	-1837	-2016	-1986
41	Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903
42	Transmission Losses	-1224	-1226	-1141	-1141	-1241	-1274	-1246	-1205	-1155	-1149	-1054	-1164	-1320	-1271
43	**Total Regional Resources**	**34989**	**35037**	**32616**	**32615**	**35478**	**36425**	**35626**	**34449**	**33007**	**32857**	**30123**	**33277**	**37737**	**36346**
44	**Total Surplus/Deficit**	**1933**	**2063**	**2730**	**2232**	**1141**	**-633**	**-1476**	**-973**	**384**	**1923**	**-486**	**3879**	**6611**	**3150**

Loads and Resources - Pacific Northwest Region
Operating Year: 2028 Water Year: 1937
2019 White Book Report Date: **2/7/2020**
S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regional Loads														
45	**Retail Loads**	31661	31495	28545	29374	33252	36058	36101	33845	31614	29795	29662	28311	29755	31918
46	Federal Agency	178	178	167	175	208	244	253	233	211	185	185	174	170	183
47	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
48	Cooperative	3533	3533	3251	3312	3676	4097	4033	3842	3557	3473	3473	3380	3486	3658
49	Municipality	3247	3247	3044	3468	3959	4366	4369	4175	3837	3488	3488	3011	3074	3264
50	Public Utility District	6038	6038	5609	6155	7146	7883	7908	7442	6893	6376	6376	5805	5754	6068
51	Investor-Owned Utility	18474	18474	16356	16223	18511	19709	19447	18278	17149	16179	16179	15926	17075	18524
52	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
53	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
54	Federal Diversity	-825	-991	-823	-758	-869	-932	-608	-806	-813	-758	-891	-927	-796	-813
55	**Exports**	1521	1606	1460	1151	1143	1143	1143	1143	1143	1143	1151	1151	1460	1481
56	Canada	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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	317	317	317	8.04	0	0	0	0	0	0	8.04	8.04	317	317
60	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	**Total Regional Loads**	**33182**	**33101**	**30005**	**30525**	**34394**	**37200**	**37244**	**34987**	**32756**	**30938**	**30813**	**29462**	**31214**	**33399**
	Regional Resources														
62	**Hydro**	24066	24116	21507	21450	24209	25112	24296	23024	22395	22417	21036	24438	28562	25376
63	Regulated Hydro - Net	22037	22098	19618	19733	22609	23560	22898	21648	20702	20328	18922	21995	26041	23185
64	Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
65	Small Hydro - Net	365	363	284	201	168	161	156	169	207	324	325	445	463	443
66	**Hon-Hydro Renewable**	354	354	354	355	354	354	343	355	354	354	354	355	353	353
67	Wind - Net	137	137	137	137	137	137	137	137	137	137	137	137	137	137
68	Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
70	**Thermal**	13670	13670	13763	13905	14055	14141	14138	14065	13376	12051	10988	12783	13171	13673
71	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
72	Coal - Net	3391	3391	3390	3390	3390	3391	3392	3392	3390	2650	2650	3337	3334	3389
73	Natural Gas - Net	6434	6434	6493	6588	6717	6787	6793	6727	6679	6276	5221	6114	5996	6436
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
76	Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	1896	1888	2112	2618	2611
77	**Imports**	975	975	816	754	999	1108	1078	1111	815	719	719	764	1053	1138
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	829	829	670	607	597	684	623	623	602	572	572	617	907	992
81	Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0
82	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	**Reserves & Losses**	-4071	-4074	-3822	-3849	-4142	-4289	-4228	-4088	-3932	-3841	-3690	-3947	-4282	-4166
84	Operating Reserves	-1944	-1945	-1778	-1805	-1998	-2112	-2079	-1979	-1875	-1829	-1758	-1841	-2020	-1991
85	Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903
86	Transmission Losses	-1224	-1226	-1141	-1141	-1241	-1274	-1246	-1206	-1155	-1109	-1029	-1203	-1359	-1272
87	**Total Regional Resources**	**34994**	**35042**	**32618**	**32614**	**35476**	**36426**	**35626**	**34466**	**33008**	**31699**	**29408**	**34392**	**38858**	**36375**
88	**Total Surplus/Deficit**	**1812**	**1941**	**2613**	**2089**	**1081**	**-774**	**-1618**	**-521**	**251**	**761**	**-1405**	**4930**	**7643**	**2976**

Loads and Resources - Pacific Northwest Region

Operating Year: 2029 Water Year: 1937

2019 White Book Report Date: **2/7/2020**

S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regional Loads														
89	**Retail Loads**	31684	31469	28675	29487	33388	36240	36176	34579	31582	29927	29852	28448	29921	32054
90	Federal Agency	178	178	167	175	208	244	253	237	211	185	185	174	171	184
91	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
92	Cooperative	3553	3553	3270	3334	3699	4121	4057	3890	3580	3495	3495	3400	3505	3678
93	Municipality	3249	3249	3045	3470	3961	4368	4371	4179	3838	3489	3489	3013	3075	3266
94	Public Utility District	6060	6060	5630	6175	7166	7904	7929	7459	6903	6392	6392	5821	5771	6086
95	Investor-Owned Utility	18561	18561	16441	16311	18601	19798	19538	18929	17238	16267	16267	16010	17161	18611
96	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
97	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
98	Federal Diversity	-933	-1148	-819	-777	-869	-888	-672	-795	-968	-755	-829	-910	-754	-803
99	**Exports**	1521	1606	1460	1151	1143	1143	1143	1143	1143	1143	1143	1143	1452	1473
100	Canada	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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	317	317	317	8.04	0	0	0	0	0	0	0	0	309	309
104	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	**Total Regional Loads**	**33205**	**33075**	**30134**	**30637**	**34530**	**37382**	**37318**	**35722**	**32725**	**31070**	**30995**	**29590**	**31373**	**33526**
	Regional Resources														
106	**Hydro**	24067	24117	21508	21451	24210	25113	24297	23025	22395	22418	21037	24438	28563	25355
107	Regulated Hydro - Net	22038	22099	19619	19734	22610	23561	22899	21649	20703	20329	18923	21996	26042	23163
108	Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
109	Small Hydro - Net	365	363	284	201	168	161	156	169	207	324	325	445	463	443
110	**Hon-Hydro Renewable**	354	354	354	355	354	354	343	355	354	354	354	355	353	353
111	Wind - Net	137	137	137	137	137	137	137	137	137	137	137	137	137	137
112	Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
114	**Thermal**	13670	13670	13763	13905	14055	14141	14138	14065	13376	12745	11728	11632	12017	13673
115	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	0	0	1168
116	Coal - Net	3391	3391	3390	3390	3390	3391	3392	3392	3390	2872	3390	3337	3334	3389
117	Natural Gas - Net	6434	6434	6493	6588	6717	6787	6793	6727	6679	6276	5221	6114	5996	6436
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
120	Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2368	1888	2112	2618	2611
121	**Imports**	984	984	820	758	1003	1111	1081	1114	819	723	723	768	1063	1148
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	838	838	674	611	601	687	626	626	606	576	576	621	917	1002
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**	-4075	-4078	-3826	-3853	-4146	-4293	-4232	-4109	-3936	-3882	-3719	-3912	-4247	-4169
128	Operating Reserves	-1948	-1949	-1782	-1809	-2002	-2116	-2083	-2001	-1878	-1847	-1762	-1844	-2024	-1994
129	Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903
130	Transmission Losses	-1224	-1226	-1141	-1141	-1241	-1274	-1246	-1205	-1155	-1132	-1054	-1164	-1321	-1272
131	**Total Regional Resources**	**35000**	**35048**	**32619**	**32615**	**35477**	**36426**	**35626**	**34450**	**33009**	**32357**	**30124**	**33281**	**37750**	**36361**
132	**Total Surplus/Deficit**	**1795**	**1972**	**2485**	**1978**	**946**	**-956**	**-1692**	**-1272**	**284**	**1288**	**-871**	**3690**	**6377**	**2835**

Loads and Resources - Pacific Northwest Region
Operating Year: 2030 Water Year: 1937
2019 White Book Report Date: **2/7/2020**
S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regional Loads														
133	**Retail Loads**	31795	31510	28744	29537	33462	36372	36307	34730	31794	30025	29949	28559	30074	32123
134	Federal Agency	178	178	168	176	209	244	254	237	211	185	185	174	171	184
135	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
136	Cooperative	3573	3573	3289	3357	3723	4146	4081	3915	3604	3518	3518	3419	3525	3698
137	Municipality	3251	3251	3047	3471	3963	4371	4374	4182	3840	3491	3491	3014	3076	3268
138	Public Utility District	6077	6077	5646	6192	7186	7927	7947	7478	6927	6407	6407	5838	5785	6101
139	Investor-Owned Utility	18648	18648	16525	16399	18691	19888	19636	19030	17334	16361	16361	16099	17254	18705
140	Marketer	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
141	Direct-Service Industry	412	412	412	413	412	412	413	412	412	413	413	412	412	412
142	Federal Diversity	-948	-1233	-871	-855	-931	-895	-683	-791	-901	-791	-867	-926	-729	-864
143	**Exports**	1513	1598	1452	1143	1143	1143	1143	1143	1143	1143	1143	1143	1452	1473
144	Canada	1203	1288	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1163
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	309	309	309	0	0	0	0	0	0	0	0	0	309	309
148	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	**Total Regional Loads**	**33308**	**33108**	**30196**	**30680**	**34604**	**37515**	**37450**	**35872**	**32937**	**31167**	**31092**	**29702**	**31526**	**33596**
	Regional Resources														
150	**Hydro**	24068	24118	21509	21452	24211	25115	24298	23026	22397	22419	21038	24439	28564	25415
151	Regulated Hydro - Net	22039	22100	19619	19735	22611	23562	22900	21650	20704	20329	18924	21997	26042	23223
152	Independent Hydro - Net	1664	1656	1605	1515	1432	1392	1243	1207	1485	1765	1789	1997	2059	1749
153	Small Hydro - Net	365	363	284	201	168	161	156	169	207	324	325	445	463	443
154	**Hon-Hydro Renewable**	354	354	354	355	354	354	343	355	354	354	354	355	353	353
155	Wind - Net	137	137	137	137	137	137	137	137	137	137	137	137	137	137
156	Solar - Net	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	Other - Net	217	217	217	218	217	217	206	218	217	217	217	218	216	216
158	**Thermal**	13670	13670	13763	13905	14055	14141	14138	14065	13376	13263	11728	12783	13171	13673
159	Nuclear - Net	1163	1163	1179	1181	1179	1180	1169	1169	1169	1160	1160	1151	1154	1168
160	Coal - Net	3391	3391	3390	3390	3390	3391	3392	3392	3390	3390	3390	3337	3334	3389
161	Natural Gas - Net	6434	6434	6493	6588	6717	6787	6793	6727	6679	6276	5221	6114	5996	6436
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
164	Cogeneration - Net	2614	2614	2632	2677	2699	2713	2715	2709	2069	2368	1888	2112	2618	2611
165	**Imports**	993	993	825	762	1006	1115	1085	1118	823	727	727	771	1072	1158
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	847	847	679	615	604	691	630	630	610	580	580	624	926	1012
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**	-4079	-4082	-3830	-3857	-4150	-4297	-4237	-4114	-3940	-3904	-3723	-3954	-4290	-4177
172	Operating Reserves	-1952	-1953	-1785	-1813	-2006	-2120	-2087	-2005	-1883	-1851	-1766	-1848	-2027	-2000
173	Balancing Reserves	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903	-903
174	Transmission Losses	-1225	-1226	-1141	-1141	-1241	-1274	-1246	-1205	-1155	-1149	-1054	-1203	-1360	-1274
175	**Total Regional Resources**	**35006**	**35054**	**32621**	**32616**	**35477**	**36427**	**35626**	**34451**	**33009**	**32859**	**30125**	**34393**	**38870**	**36423**
176	**Total Surplus/Deficit**	**1698**	**1946**	**2425**	**1937**	**872**	**-1088**	**-1824**	**-1422**	**72.6**	**1692**	**-967**	**4691**	**7345**	**2827**

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Exhibit 25
BPA Sales to Preference and Legacy Customers

Monthly 1-Hour Capacity
Operating Year 2021 to 2030
Using 1937-Water Conditions

BPA Sales to Preference and Legacy Customers

Operating Year 2021 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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**	**4449**	**4449**	**4085**	**4347**	**5077**	**5760**	**5731**	**5424**	**4884**	**4596**	**4596**	**4242**	**4327**	**4597**
4	Cooperative	2643	2643	2374	2408	2771	3183	3122	2959	2655	2568	2568	2496	2603	2770
5	Municipality	775	775	708	726	854	957	970	919	815	739	739	666	714	773
6	Public Utility District	886	886	867	1064	1266	1401	1409	1331	1223	1124	1124	922	855	887
7	Federal Entities	145	145	136	150	185	220	231	215	190	165	165	157	154	167
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	1073	1211	1207	1092	990	935	935	944	929	960
11	**Slice Output from T1 System**	**2443**	**2356**	**2636**	**1979**	**2650**	**2638**	**2444**	**2376**	**2191**	**2168**	**1840**	**2343**	**3000**	**2632**
12	Municipality	579	559	625	469	629	625	580	563	520	514	436	556	711	624
13	Public Utility District	1864	1797	2011	1509	2022	2012	1865	1813	1672	1654	1404	1787	2288	2008
14	**Tier 1 Block**	**409**	**409**	**679**	**541**	**964**	**921**	**1047**	**933**	**872**	**431**	**431**	**162**	**21.1**	**359**
15	Municipality	366	366	620	492	878	823	929	823	774	389	389	133	0	306
16	Public Utility District	43.1	43.1	58.4	49.9	86.1	97.7	118	111	97.3	42.0	42.0	29.6	21.1	52.5
17	**USBR Obligation**	**602**	**602**	**527**	**383**	**206**	**277**	**284**	**266**	**365**	**438**	**438**	**527**	**578**	**618**
18	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
	Total Power Sales Contracts														
19	Cooperative	2643	2643	2374	2408	2771	3183	3122	2959	2655	2568	2568	2496	2603	2770
20	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
21	Federal Entities	145	145	136	150	185	220	231	215	190	165	165	157	154	167
22	Municipality	1994	1974	2230	1956	2679	2792	2862	2671	2464	1957	1879	1622	1684	1986
23	Public Utility District	3699	3633	3786	3545	4448	4722	4599	4347	3983	3755	3505	3683	4094	3907
24	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
25	**Total Power Sales Contracts**	**9096**	**9009**	**9065**	**8454**	**10301**	**11205**	**11109**	**10470**	**9669**	**8895**	**8567**	**8497**	**9125**	**9460**

BPA Sales to Preference and Legacy Customers

Operating Year 2022 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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**	**4493**	**4493**	**4126**	**4371**	**5101**	**5787**	**5758**	**5452**	**4915**	**4615**	**4615**	**4255**	**4339**	**4610**
4	Cooperative	2666	2666	2396	2389	2752	3165	3103	2941	2636	2550	2550	2475	2581	2748
5	Municipality	775	775	708	725	853	956	971	920	815	740	740	667	715	774
6	Public Utility District	891	891	871	1095	1297	1432	1440	1364	1261	1154	1154	953	886	918
7	Federal Entities	162	162	152	162	198	234	244	227	202	172	172	161	157	170
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**	**2397**	**2399**	**1951**	**2013**	**2667**	**2765**	**2449**	**2466**	**2302**	**2199**	**1808**	**2634**	**3133**	**2618**
12	Municipality	569	569	463	477	633	656	581	585	546	522	429	625	743	621
13	Public Utility District	1829	1830	1488	1536	2035	2109	1868	1881	1756	1678	1379	2009	2390	1997
14	**Tier 1 Block**	**406**	**406**	**674**	**559**	**928**	**919**	**1045**	**932**	**870**	**430**	**430**	**162**	**20.6**	**370**
15	Municipality	364	364	617	511	843	823	929	823	775	389	389	133	0	319
16	Public Utility District	42.5	42.5	57.3	48.7	84.5	95.7	116	109	95.5	41.0	41.0	28.8	20.6	51.3
17	**USBR Obligation**	**602**	**602**	**527**	**383**	**206**	**277**	**284**	**266**	**365**	**438**	**438**	**527**	**578**	**618**
18	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
	Total Power Sales Contracts														
19	Cooperative	2666	2666	2396	2389	2752	3165	3103	2941	2636	2550	2550	2475	2581	2748
20	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
21	Federal Entities	162	162	152	162	198	234	244	227	202	172	172	161	157	170
22	Municipality	1983	1984	2065	1986	2651	2827	2870	2699	2496	1969	1876	1695	1719	2000
23	Public Utility District	3700	3701	3296	3696	4593	4955	4736	4546	4200	3904	3606	4027	4315	4015
24	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
25	**Total Power Sales Contracts**	**9125**	**9127**	**8448**	**8628**	**10412**	**11469**	**11249**	**10691**	**9910**	**9045**	**8654**	**8896**	**9363**	**9564**

BPA Sales to Preference and Legacy Customers

Operating Year 2023 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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**	**4507**	**4507**	**4138**	**4405**	**5135**	**5823**	**5788**	**5475**	**4944**	**4644**	**4644**	**4280**	**4364**	**4637**
4	Cooperative	2645	2645	2374	2410	2773	3188	3123	2953	2655	2568	2568	2489	2595	2763
5	Municipality	776	776	708	729	858	961	973	922	817	741	741	668	717	776
6	Public Utility District	921	921	901	1105	1307	1443	1451	1374	1272	1165	1165	963	896	928
7	Federal Entities	165	165	155	161	197	232	241	225	200	170	170	159	156	169
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**	**2381**	**2433**	**1947**	**2015**	**2676**	**2758**	**2461**	**2475**	**2229**	**2255**	**1833**	**2428**	**2855**	**2623**
12	Municipality	565	577	462	478	635	654	584	587	529	535	435	576	677	622
13	Public Utility District	1816	1856	1486	1537	2041	2104	1877	1888	1700	1720	1398	1852	2178	2001
14	**Tier 1 Block**	**392**	**392**	**674**	**557**	**915**	**908**	**1029**	**915**	**856**	**446**	**446**	**157**	**20.6**	**367**
15	Municipality	350	350	617	512	845	825	932	825	776	406	406	128	0	319
16	Public Utility District	41.6	41.6	56.2	45.4	69.6	82.6	97.2	90.6	80.1	40.0	40.0	28.8	20.6	47.6
17	**USBR Obligation**	**602**	**602**	**527**	**383**	**206**	**277**	**284**	**266**	**365**	**438**	**438**	**527**	**578**	**618**
18	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
	Total Power Sales Contracts														
19	Cooperative	2645	2645	2374	2410	2773	3188	3123	2953	2655	2568	2568	2489	2595	2763
20	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
21	Federal Entities	165	165	155	161	197	232	241	225	200	170	170	159	156	169
22	Municipality	1971	1983	2069	1998	2666	2840	2885	2712	2489	2006	1906	1648	1660	2009
23	Public Utility District	3807	3847	3416	3721	4615	4970	4760	4567	4158	3975	3653	3899	4130	4045
24	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
25	**Total Power Sales Contracts**	**9202**	**9254**	**8553**	**8685**	**10468**	**11518**	**11305**	**10735**	**9879**	**9169**	**8748**	**8734**	**9131**	**9616**

BPA Sales to Preference and Legacy Customers

Operating Year 2024 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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**	**4534**	**4534**	**4163**	**4432**	**5162**	**5853**	**5816**	**5480**	**4971**	**4670**	**4670**	**4303**	**4387**	**4661**
4	Cooperative	2660	2660	2388	2423	2786	3202	3136	2951	2668	2580	2580	2498	2605	2774
5	Municipality	778	778	710	731	859	963	975	922	818	742	742	670	718	778
6	Public Utility District	932	932	912	1117	1320	1456	1464	1386	1284	1177	1177	976	908	941
7	Federal Entities	164	164	154	161	197	232	241	222	200	171	171	159	156	169
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**	**2410**	**2440**	**1949**	**2006**	**2683**	**2708**	**2483**	**2352**	**2184**	**2209**	**1812**	**2583**	**3226**	**2647**
12	Municipality	572	579	462	476	636	642	589	558	518	524	430	612	765	628
13	Public Utility District	1839	1861	1487	1530	2047	2065	1894	1794	1666	1685	1382	1970	2461	2019
14	**Tier 1 Block**	**389**	**389**	**667**	**553**	**894**	**923**	**968**	**855**	**865**	**429**	**429**	**157**	**20.5**	**350**
15	Municipality	351	351	619	513	846	860	897	793	807	391	391	128	0	308
16	Public Utility District	37.8	37.8	48.4	40.7	48.2	63.8	70.7	62.4	57.9	38.5	38.5	28.8	20.5	42.3
17	**USBR Obligation**	**602**	**602**	**527**	**383**	**206**	**277**	**284**	**266**	**365**	**438**	**438**	**527**	**578**	**618**
18	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
	Total Power Sales Contracts														
19	Cooperative	2660	2660	2388	2423	2786	3202	3136	2951	2668	2580	2580	2498	2605	2774
20	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
21	Federal Entities	164	164	154	161	197	232	241	222	200	171	171	159	156	169
22	Municipality	1986	1993	2078	1993	2665	2857	2850	2632	2504	1976	1881	1681	1745	2000
23	Public Utility District	3855	3877	3437	3700	4586	4897	4736	4390	4091	3929	3626	4007	4404	4048
24	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
25	**Total Power Sales Contracts**	**9279**	**9308**	**8595**	**8672**	**10452**	**11477**	**11260**	**10471**	**9839**	**9105**	**8707**	**8884**	**9500**	**9621**

BPA Sales to Preference and Legacy Customers

Operating Year 2025 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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**	**4558**	**4558**	**4185**	**4461**	**5192**	**5885**	**5848**	**5539**	**4993**	**4698**	**4698**	**4327**	**4412**	**4687**
4	Cooperative	2669	2669	2397	2438	2801	3219	3153	2990	2683	2595	2595	2510	2617	2787
5	Municipality	779	779	711	733	862	966	978	926	821	745	745	672	721	780
6	Public Utility District	945	945	923	1128	1331	1467	1474	1396	1287	1187	1187	985	917	950
7	Federal Entities	164	164	154	162	199	234	243	227	202	172	172	161	157	170
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	379	366	324	324	276	266	292
10	Public Utility District	1024	1024	969	1030	1191	1335	1330	1208	1101	1045	1045	1050	1032	1064
11	**Slice Output from T1 System**	**2412**	**2404**	**1948**	**2036**	**2670**	**2724**	**2530**	**2389**	**2189**	**2222**	**1830**	**2317**	**3028**	**2630**
12	Municipality	572	570	462	483	633	646	600	566	519	527	434	550	718	624
13	Public Utility District	1840	1834	1486	1553	2037	2078	1930	1822	1670	1695	1396	1768	2310	2007
14	**Tier 1 Block**	**384**	**384**	**683**	**532**	**890**	**919**	**963**	**886**	**861**	**428**	**428**	**156**	**20.5**	**348**
15	Municipality	352	352	646	492	844	857	895	824	805	390	390	128	0	307
16	Public Utility District	32.4	32.4	37.1	40.2	46.3	62.1	68.4	62.4	55.9	38.3	38.3	28.7	20.5	41.7
17	**USBR Obligation**	**602**	**602**	**527**	**383**	**206**	**277**	**284**	**266**	**365**	**438**	**438**	**527**	**578**	**618**
18	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
	Total Power Sales Contracts														
19	Cooperative	2669	2669	2397	2438	2801	3219	3153	2990	2683	2595	2595	2510	2617	2787
20	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
21	Federal Entities	164	164	154	162	199	234	243	227	202	172	172	161	157	170
22	Municipality	1984	1982	2101	1987	2667	2868	2868	2695	2511	1985	1892	1625	1705	2003
23	Public Utility District	3841	3835	3415	3751	4606	4942	4802	4489	4114	3966	3667	3831	4279	4062
24	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
25	**Total Power Sales Contracts**	**9273**	**9265**	**8605**	**8733**	**10490**	**11551**	**11363**	**10678**	**9888**	**9168**	**8776**	**8666**	**9348**	**9651**

BPA Sales to Preference and Legacy Customers

Operating Year 2026 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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**	**4208**	**4487**	**5219**	**5914**	**5877**	**5568**	**5027**	**4723**	**4723**	**4349**	**4433**	**4710**
4	Cooperative	2682	2682	2408	2452	2816	3234	3169	3005	2698	2609	2609	2522	2628	2798
5	Municipality	782	782	713	733	862	966	979	927	821	744	744	671	720	780
6	Public Utility District	954	954	932	1139	1342	1479	1486	1409	1306	1198	1198	996	928	961
7	Federal Entities	165	165	155	163	199	234	244	227	202	172	172	161	158	170
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**	**2419**	**2416**	**1942**	**2037**	**2671**	**2719**	**2526**	**2385**	**2185**	**2218**	**1826**	**2565**	**3274**	**2639**
12	Municipality	574	573	461	483	633	645	599	566	518	526	433	608	777	626
13	Public Utility District	1845	1843	1482	1554	2037	2075	1927	1819	1667	1692	1393	1957	2498	2013
14	**Tier 1 Block**	**396**	**396**	**654**	**531**	**924**	**885**	**961**	**884**	**859**	**427**	**427**	**161**	**20.4**	**348**
15	Municipality	364	364	618	491	877	823	893	822	803	389	389	133	0	306
16	Public Utility District	31.8	31.8	36.1	40.1	46.2	62.0	68.2	62.3	55.8	38.2	38.2	28.6	20.4	41.7
17	**USBR Obligation**	**602**	**602**	**527**	**383**	**206**	**277**	**284**	**266**	**365**	**438**	**438**	**527**	**578**	**618**
18	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
	Total Power Sales Contracts														
19	Cooperative	2682	2682	2408	2452	2816	3234	3169	3005	2698	2609	2609	2522	2628	2798
20	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
21	Federal Entities	165	165	155	163	199	234	244	227	202	172	172	161	158	170
22	Municipality	2005	2005	2079	1980	2694	2825	2858	2685	2501	1976	1883	1682	1757	1998
23	Public Utility District	3873	3870	3436	3740	4592	4922	4782	4472	4106	3951	3652	4009	4455	4057
24	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
25	**Total Power Sales Contracts**	**9340**	**9336**	**8617**	**8730**	**10518**	**11503**	**11349**	**10667**	**9884**	**9159**	**8766**	**8912**	**9588**	**9653**

BPA Sales to Preference and Legacy Customers

Operating Year 2027 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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**	**4606**	**4606**	**4229**	**4517**	**5251**	**5948**	**5911**	**5594**	**5058**	**4753**	**4753**	**4376**	**4460**	**4738**
4	Cooperative	2693	2693	2418	2471	2835	3254	3189	3018	2717	2627	2627	2537	2643	2814
5	Municipality	782	782	713	735	865	970	982	930	823	746	746	674	723	783
6	Public Utility District	965	965	942	1147	1351	1489	1495	1418	1315	1207	1207	1004	936	970
7	Federal Entities	165	165	155	163	200	235	245	228	203	172	172	161	158	171
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**	**2415**	**2412**	**1938**	**2032**	**2667**	**2720**	**2526**	**2385**	**2185**	**2219**	**1826**	**2316**	**3024**	**2626**
12	Municipality	573	572	460	482	632	645	599	566	518	526	433	549	717	623
13	Public Utility District	1842	1840	1478	1550	2034	2075	1927	1819	1667	1692	1393	1766	2307	2004
14	**Tier 1 Block**	**395**	**395**	**653**	**531**	**924**	**885**	**997**	**885**	**830**	**427**	**427**	**161**	**20.4**	**348**
15	Municipality	363	363	617	491	877	823	928	822	774	389	389	133	0	306
16	Public Utility District	31.8	31.8	36.1	40.2	46.5	62.2	68.6	62.6	56.1	38.2	38.2	28.6	20.4	41.7
17	**USBR Obligation**	**602**	**602**	**527**	**383**	**206**	**277**	**284**	**266**	**365**	**438**	**438**	**527**	**578**	**618**
18	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
	Total Power Sales Contracts														
19	Cooperative	2693	2693	2418	2471	2835	3254	3189	3018	2717	2627	2627	2537	2643	2814
20	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
21	Federal Entities	165	165	155	163	200	235	245	228	203	172	172	161	158	171
22	Municipality	1998	1997	2071	1987	2702	2836	2905	2696	2481	1985	1892	1631	1706	2003
23	Public Utility District	3858	3856	3421	3766	4621	4958	4817	4505	4137	3981	3682	3847	4293	4076
24	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
25	**Total Power Sales Contracts**	**9329**	**9326**	**8604**	**8782**	**10576**	**11572**	**11453**	**10725**	**9914**	**9216**	**8824**	**8715**	**9389**	**9695**

BPA Sales to Preference and Legacy Customers

Operating Year 2028 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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**	**4633**	**4633**	**4255**	**4543**	**5279**	**5977**	**5941**	**5600**	**5085**	**4780**	**4780**	**4398**	**4482**	**4760**
4	Cooperative	2709	2709	2433	2485	2849	3270	3205	3017	2731	2641	2641	2547	2653	2825
5	Municipality	785	785	716	737	867	972	985	931	826	749	749	676	725	786
6	Public Utility District	974	974	951	1158	1362	1499	1506	1427	1325	1217	1217	1014	945	978
7	Federal Entities	166	166	155	163	200	235	245	225	203	173	173	161	158	171
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	360	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**	**2415**	**2412**	**1938**	**2033**	**2667**	**2720**	**2526**	**2385**	**2186**	**2219**	**1826**	**2566**	**3275**	**2640**
12	Municipality	573	572	460	482	632	645	599	566	518	526	433	609	777	626
13	Public Utility District	1843	1840	1479	1551	2034	2075	1927	1819	1667	1693	1393	1957	2498	2014
14	**Tier 1 Block**	**395**	**395**	**653**	**551**	**890**	**886**	**998**	**851**	**831**	**443**	**443**	**156**	**20.5**	**360**
15	Municipality	363	363	617	510	843	823	929	790	774	405	405	128	0	319
16	Public Utility District	31.8	31.8	36.2	40.3	47.1	62.7	69.3	61.1	56.7	38.3	38.3	28.7	20.5	41.9
17	**USBR Obligation**	**602**	**602**	**527**	**383**	**206**	**277**	**284**	**266**	**365**	**438**	**438**	**527**	**578**	**618**
18	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
	Total Power Sales Contracts														
19	Cooperative	2709	2709	2433	2485	2849	3270	3205	3017	2731	2641	2641	2547	2653	2825
20	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
21	Federal Entities	166	166	155	163	200	235	245	225	203	173	173	161	158	171
22	Municipality	2006	2006	2079	2004	2665	2832	2902	2645	2478	1998	1904	1682	1763	2017
23	Public Utility District	3888	3885	3450	3757	4610	4945	4804	4450	4127	3972	3673	4028	4474	4076
24	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
25	**Total Power Sales Contracts**	**9383**	**9380**	**8656**	**8804**	**10542**	**11571**	**11452**	**10614**	**9916**	**9233**	**8841**	**8958**	**9639**	**9718**

BPA Sales to Preference and Legacy Customers

Operating Year 2029 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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**	**4655**	**4655**	**4275**	**4570**	**5307**	**6007**	**5971**	**5659**	**5105**	**4806**	**4806**	**4422**	**4505**	**4784**
4	Cooperative	2720	2720	2443	2501	2867	3288	3225	3062	2750	2660	2660	2563	2669	2841
5	Municipality	787	787	718	740	870	976	988	936	828	751	751	678	728	788
6	Public Utility District	982	982	958	1165	1370	1507	1513	1433	1324	1223	1223	1019	949	983
7	Federal Entities	166	166	156	163	200	236	245	229	203	173	173	162	158	171
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**	**2416**	**2412**	**1939**	**2033**	**2667**	**2720**	**2526**	**2385**	**2186**	**2219**	**1826**	**2316**	**3024**	**2627**
12	Municipality	573	572	460	482	632	645	599	566	518	526	433	549	717	623
13	Public Utility District	1843	1840	1479	1551	2035	2075	1927	1820	1667	1693	1393	1767	2307	2004
14	**Tier 1 Block**	**382**	**382**	**654**	**549**	**887**	**916**	**959**	**883**	**828**	**442**	**442**	**156**	**20.4**	**359**
15	Municipality	350	350	617	509	841	854	891	820	772	404	404	127	0	318
16	Public Utility District	32.0	32.0	36.5	40.0	46.1	61.8	68.1	62.1	55.7	38.1	38.1	28.6	20.4	41.6
17	**USBR Obligation**	**602**	**602**	**527**	**383**	**206**	**277**	**284**	**266**	**365**	**438**	**438**	**527**	**578**	**618**
18	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
	Total Power Sales Contracts														
19	Cooperative	2720	2720	2443	2501	2867	3288	3225	3062	2750	2660	2660	2563	2669	2841
20	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
21	Federal Entities	166	166	156	163	200	236	245	229	203	173	173	162	158	171
22	Municipality	1991	1990	2077	2008	2669	2871	2871	2698	2483	2003	1910	1629	1710	2019
23	Public Utility District	3877	3874	3439	3778	4633	4968	4827	4514	4139	3991	3692	3855	4301	4084
24	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
25	**Total Power Sales Contracts**	**9368**	**9364**	**8654**	**8846**	**10586**	**11652**	**11466**	**10780**	**9952**	**9277**	**8884**	**8747**	**9428**	**9746**

BPA Sales to Preference and Legacy Customers

Operating Year 2030 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	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**	**4679**	**4679**	**4299**	**4596**	**5335**	**6037**	**5999**	**5688**	**5139**	**4830**	**4830**	**4443**	**4527**	**4807**
4	Cooperative	2736	2736	2459	2520	2887	3310	3244	3080	2768	2676	2676	2577	2683	2857
5	Municipality	790	790	721	742	873	979	991	939	831	753	753	681	731	791
6	Public Utility District	986	986	963	1170	1374	1512	1518	1440	1336	1227	1227	1023	954	987
7	Federal Entities	166	166	156	164	200	236	246	229	203	173	173	162	159	172
8	**Slice Block**	**1318**	**1318**	**1264**	**1276**	**1482**	**1690**	**1682**	**1547**	**1431**	**1335**	**1335**	**1292**	**1266**	**1322**
9	Municipality	284	284	285	272	320	389	386	369	357	316	316	268	259	284
10	Public Utility District	1034	1034	979	1004	1162	1302	1297	1179	1074	1020	1020	1024	1007	1038
11	**Slice Output from T1 System**	**2416**	**2412**	**1939**	**2033**	**2667**	**2721**	**2527**	**2386**	**2186**	**2219**	**1827**	**2566**	**3275**	**2640**
12	Municipality	573	572	460	482	633	645	599	566	518	526	433	609	777	626
13	Public Utility District	1843	1840	1479	1551	2035	2075	1927	1820	1668	1693	1393	1958	2499	2014
14	**Tier 1 Block**	**381**	**381**	**677**	**530**	**887**	**916**	**959**	**883**	**858**	**426**	**426**	**156**	**20.4**	**347**
15	Municipality	349	349	641	490	841	854	891	821	802	388	388	127	0	306
16	Public Utility District	31.7	31.7	36.0	40.0	46.1	61.9	68.1	62.2	55.7	38.1	38.1	28.6	20.4	41.6
17	**USBR Obligation**	**602**	**602**	**527**	**383**	**206**	**277**	**284**	**266**	**365**	**438**	**438**	**527**	**578**	**618**
18	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
	Total Power Sales Contracts														
19	Cooperative	2736	2736	2459	2520	2887	3310	3244	3080	2768	2676	2676	2577	2683	2857
20	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
21	Federal Entities	166	166	156	164	200	236	246	229	203	173	173	162	159	172
22	Municipality	1997	1996	2107	1986	2666	2866	2867	2694	2508	1984	1890	1685	1767	2007
23	Public Utility District	3895	3892	3457	3765	4617	4951	4810	4501	4133	3978	3679	4033	4479	4080
24	USBR	602	602	527	383	206	277	284	266	365	438	438	527	578	618
25	**Total Power Sales Contracts**	**9408**	**9404**	**8717**	**8830**	**10588**	**11652**	**11464**	**10781**	**9990**	**9261**	**8869**	**8996**	**9678**	**9746**

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Exhibit 26
Regional Regulated Hydro

Monthly 1-Hour Capacity
Operating Year 2021 to 2030
Using 1937-Water Conditions

Regional: Regulated Hydro

Operating Year 2021 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	32.0	32.0	21.1	37.1	20.7	20.2	21.8	23.3	23.4	25.4	30.1	35.9	46.0	46.5
2 Alder Hydroelectric	51.6	51.6	51.2	31.5	0	0	39.1	4.28	37.0	36.3	39.4	40.2	47.1	48.7
3 Bonneville	991	991	1059	1047	1052	1033	1013	988	1035	934	934	929	937	992
4 Boundary	685	685	685	685	685	685	685	685	685	685	685	1005	1017	845
5 Box Canyon Dam	76.9	77.0	76.5	72.9	75.8	75.7	75.3	76.6	76.7	96.9	97.8	89.2	86.9	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	181	181	181	181	181	181	262	262	262	262	262	262	262	196
8 Chelan Lake	68.1	67.8	67.4	66.5	65.7	65.4	64.8	64.1	63.9	63.6	63.4	63.6	65.4	67.8
9 Chief Joseph	2451	2451	1990	2513	2481	2459	2428	2504	2323	2445	2445	2516	2465	2501
10 Cushman 1	46.9	45.8	45.8	16.7	8.38	17.2	17.2	15.8	18.4	22.5	22.8	20.0	21.9	21.2
11 Cushman 2	6.15	0	88.0	88.0	0	4.94	88.0	4.94	3.63	1.98	88.0	88.0	0.99	88.0
12 Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13 Dworshak	448	447	324	424	345	419	402	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	5199	5120	4714	3728	4003	4317	4508	4796	4722	4039	3930	3879	4829	5201
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	197	196	261	200	310	310	256	212	155	230	192	232	253	259
19 Ice Harbor	587	587	685	586	618	682	693	669	686	666	650	640	646	563
20 John Day	2331	2331	2154	2203	2411	2339	2417	2288	2366	2411	2412	2432	2448	2432
21 Kerr	179	179	179	178	177	175	171	166	165	165	165	172	178	180
22 La Grande	63.4	63.4	63.4	63.3	63.6	63.6	63.0	63.6	62.9	62.9	63.1	62.9	63.4	62.9
23 Libby	433	432	553	593	589	583	499	501	483	477	477	573	580	542
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	741	741	823	827	826	838	932	932	932	822	796	796	796	804
26 Long Lake	72.5	72.5	72.5	72.0	72.2	69.0	64.0	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	71.4	71.4	71.4	61.9	56.9	63.5	63.5	49.7	49.7	49.7	52.3	52.3	63.6	70.6
28 Lower Granite	599	687	768	830	829	840	843	907	919	820	799	917	799	822
29 Lower Monumental	710	769	763	776	780	819	928	928	911	848	837	834	836	700
30 Mayfield	125	125	125	125	125	125	163	125	125	125	172	83.6	125	125
31 McNary	1126	1126	1093	958	966	1046	1122	1126	1121	1112	1112	1126	1125	1126
32 Merwin	147	147	144	129	113	128	128	115	115	113	113	113	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	214	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	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
37 Noxon Rapids	528	528	504	541	543	528	543	533	533	535	539	538	543	543
38 Oak Grove	22.0	22.0	22.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	85.4	123	123	123	123	123	123	123	123	123	123	123	123	123
41 Pelton Rereg	10.5	10.1	-4.42	11.1	10.5	9.45	8.70	9.83	10.4	11.6	14.6	10.3	10.2	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	10.9	10.9	18.8	18.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	18.8
45 Rock Island	402	408	415	415	404	583	592	591	593	593	593	586	566	579
46 Rocky Reach	1176	1307	1304	1305	1307	1307	1305	1305	1304	1304	1304	1306	1311	1307
47 Ross	354	397	446	429	417	403	367	319	286	248	238	293	383	439
48 Round Butte	300	300	300	300	300	300	300	300	300	300	300	300	300	170
49 Swift 1	268	268	265	205	0.21	168	162	140	152	158	146	0.24	251	265
50 Swift 2	59.4	60.6	63.7	65.6	0.09	76.1	76.1	76.1	76.1	76.1	76.1	0.09	59.8	59.8
51 The Dalles	1908	1908	1874	1843	1911	2011	1979	1916	1957	1921	1921	1891	1847	1891
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	102	102	102	94.2	0	85.7	83.3	83.0	66.5	4.37	96.2	97.2	102	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	841	836	836	889	843	836	836	836	836	836	840	856	846
56 Wells	800	800	760	760	800	800	800	800	800	800	780	800	800	800
57 Yale	132	131	130	133	129	116	102	94.0	94.0	106	122	106	133	132

Regional: Regulated Hydro

Operating Year 2021 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
58	Federal Entities	17754	17819	17082	16565	17142	17718	18040	18225	18066	17191	16980	17248	18058	18328
59	Investor Owned Utilities	4185	4258	4244	4220	3923	4224	4343	4224	4296	4219	4339	4202	4432	4295
60	Marketer	966	1035	1036	1037	1036	1107	1109	1109	1099	1095	1109	1108	1102	1063
61	Municipality	2184	2219	2355	2276	2100	2112	2176	1877	1880	1866	1995	2093	2539	2509
62	Public Utility District	2301	2337	2301	2283	2278	2364	2359	2354	2325	2336	2360	2311	2397	2396
63	**Total Regulated Hydro**	**27390**	**27669**	**27018**	**26381**	**26479**	**27525**	**28026**	**27789**	**27666**	**26706**	**26782**	**26962**	**28528**	**28591**

Regional: Regulated Hydro

Operating Year 2022 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	32.0	32.0	21.1	37.1	20.7	20.2	21.8	23.3	23.4	25.4	30.1	35.9	46.0	46.5
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	4.28	37.0	36.3	39.4	40.2	47.1	48.7
3 Bonneville	991	991	1059	1047	1052	1033	1013	988	1035	934	934	929	937	992
4 Boundary	611	611	685	685	611	845	845	845	845	845	845	1005	1017	845
5 Box Canyon Dam	76.8	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	97.8	89.2	86.9	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	196	196	196	196	196	196	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	67.3	66.5	65.7	65.4	64.8	64.1	63.9	63.6	63.4	63.6	65.4	67.8
9 Chief Joseph	2451	2451	1990	2513	2481	2459	2428	2504	2323	2445	2445	2516	2465	2501
10 Cushman 1	27.5	22.1	18.8	16.7	8.38	17.2	17.2	15.8	18.4	22.5	22.8	20.0	21.9	21.2
11 Cushman 2	88.0	88.0	0.33	88.0	0	4.94	88.0	4.94	3.63	1.98	88.0	88.0	0.99	88.0
12 Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13 Dworshak	448	447	324	424	345	419	402	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	5170	5109	4757	3728	4003	4317	4508	4796	4722	4039	3930	3879	4829	5201
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	156	156	209	200	310	310	256	212	155	230	192	232	253	259
19 Ice Harbor	587	587	685	586	618	682	693	669	686	666	650	640	646	563
20 John Day	2331	2331	2154	2203	2411	2339	2417	2288	2366	2411	2412	2432	2448	2432
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	63.6	62.9	62.9	63.1	62.9	63.4	62.9
23 Libby	433	433	555	593	589	583	499	501	483	477	477	573	580	542
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	741	741	818	827	826	838	932	932	932	822	796	796	796	804
26 Long Lake	72.0	72.0	72.0	72.0	72.2	69.0	64.0	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	59.0	61.9	56.9	63.5	63.5	49.7	49.7	49.7	52.3	52.3	63.6	70.6
28 Lower Granite	599	687	768	830	829	840	843	907	919	820	799	917	799	822
29 Lower Monumental	710	769	756	776	780	819	928	928	911	848	837	834	836	700
30 Mayfield	125	125	125	125	125	125	163	125	125	125	172	83.6	125	125
31 McNary	1126	1126	1093	958	966	1046	1122	1126	1121	1112	1112	1126	1125	1126
32 Merwin	147	146	146	129	113	128	128	115	115	113	113	113	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	214	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	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
37 Noxon Rapids	533	533	456	541	543	528	543	533	533	535	539	538	543	543
38 Oak Grove	22.0	22.0	22.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
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	123	87.4
41 Pelton Rereg	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	14.6	10.3	10.2	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	10.9	10.9	18.8	18.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	18.8
45 Rock Island	582	586	593	592	581	583	592	591	593	593	593	586	566	579
46 Rocky Reach	1307	1306	1304	1305	1307	1307	1305	1305	1304	1304	1304	1306	1311	1307
47 Ross	448	395	441	429	417	403	367	319	286	248	238	293	383	439
48 Round Butte	300	300	300	300	300	300	300	300	170	170	300	300	300	300
49 Swift 1	263	263	260	205	0.21	168	162	140	152	158	146	0.24	251	265
50 Swift 2	62.1	62.1	64.3	65.6	0.09	76.1	76.1	76.1	76.1	76.1	76.1	0.09	59.8	59.8
51 The Dalles	1908	1908	1874	1843	1911	2011	1979	1916	1957	1921	1921	1891	1847	1891
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	94.2	0	85.7	83.3	83.0	66.5	4.37	96.2	97.2	102	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	844	840	836	836	889	843	836	836	836	836	836	840	856	846
56 Wells	800	800	760	760	800	800	800	800	800	800	780	800	800	800
57 Yale	130	131	129	133	129	116	102	94.0	94.0	106	122	106	133	132

Regional: Regulated Hydro

Operating Year 2022 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
58	Federal Entities	17684	17769	17063	16565	17142	17718	18040	18225	18066	17191	16980	17248	18058	18328
59	Investor Owned Utilities	4306	4313	4247	4288	3991	4239	4343	4224	4209	4132	4339	4202	4432	4424
60	Marketer	1106	1108	1109	1109	1109	1107	1014	1014	961	958	1014	1013	1008	999
61	Municipality	2251	2186	2184	2276	2026	2272	2336	2037	2040	2026	2155	2093	2539	2509
62	Public Utility District	2388	2387	2351	2334	2329	2364	2454	2448	2420	2430	2454	2406	2490	2490
63	**Total Regulated Hydro**	**27736**	**27763**	**26954**	**26573**	**26596**	**27700**	**28186**	**27949**	**27696**	**26736**	**26942**	**26962**	**28528**	**28751**

Regional: Regulated Hydro

Operating Year 2023 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	32.0	32.0	21.1	37.1	20.7	20.2	21.8	23.3	23.4	25.4	30.1	35.9	46.0	46.5
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	4.28	37.0	36.3	39.4	40.2	47.1	48.7
3 Bonneville	991	991	1059	1047	1052	1033	1013	988	1035	934	934	929	937	992
4 Boundary	611	611	685	685	611	845	845	845	845	845	845	1005	1017	845
5 Box Canyon Dam	76.8	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	97.8	89.2	86.9	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	262	262	262	262	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	67.3	66.5	65.7	65.4	64.8	64.1	63.9	63.6	63.4	63.6	65.4	67.8
9 Chief Joseph	2451	2451	1990	2513	2481	2459	2428	2504	2323	2445	2445	2516	2465	2501
10 Cushman 1	27.5	22.1	18.8	16.7	8.38	17.2	17.2	15.8	18.4	22.5	22.8	20.0	21.9	21.2
11 Cushman 2	88.0	88.0	0.33	88.0	0	4.94	88.0	4.94	3.63	1.98	88.0	88.0	0.99	88.0
12 Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13 Dworshak	448	447	324	424	345	419	402	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	5170	5109	4757	3728	4003	4317	4508	4796	4722	4039	3930	3879	4829	5201
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	156	156	209	200	310	310	256	212	155	230	192	232	253	259
19 Ice Harbor	587	587	685	586	618	682	693	669	686	666	650	640	646	563
20 John Day	2331	2331	2154	2203	2411	2339	2417	2288	2366	2411	2412	2432	2448	2432
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	63.6	62.9	62.9	63.1	62.9	63.4	62.9
23 Libby	433	433	555	593	589	583	499	501	483	477	477	573	580	542
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	741	741	818	827	826	838	932	932	932	822	796	796	796	804
26 Long Lake	72.0	72.0	72.0	72.0	72.2	69.0	64.0	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	59.0	61.9	56.9	63.5	63.5	49.7	49.7	49.7	52.3	52.3	63.6	70.6
28 Lower Granite	599	687	768	830	829	840	843	907	919	820	799	917	799	822
29 Lower Monumental	710	769	756	776	780	819	928	928	911	848	837	834	836	700
30 Mayfield	125	125	125	125	125	125	163	125	125	125	172	83.6	125	125
31 McNary	1126	1126	1093	958	966	1046	1122	1126	1121	1112	1112	1126	1125	1126
32 Merwin	147	146	146	129	113	128	128	115	115	113	113	113	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	214	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	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
37 Noxon Rapids	533	533	456	541	543	528	543	533	533	535	539	538	543	543
38 Oak Grove	22.0	22.0	22.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
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	123	87.4
41 Pelton Rereg	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	14.6	10.3	10.2	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	10.9	10.9	18.8	18.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	18.8
45 Rock Island	582	586	593	592	581	583	592	591	593	593	593	586	566	579
46 Rocky Reach	1307	1306	1304	1305	1307	1307	1305	1305	1304	1304	1304	1306	1311	1307
47 Ross	448	395	441	429	417	403	367	319	286	248	238	293	383	439
48 Round Butte	300	300	300	300	300	300	300	170	300	170	300	300	300	170
49 Swift 1	263	263	260	205	0.21	168	162	140	152	158	146	0.24	251	265
50 Swift 2	62.1	62.1	64.3	65.6	0.09	76.1	76.1	76.1	76.1	76.1	76.1	0.09	59.8	59.8
51 The Dalles	1908	1908	1874	1843	1911	2011	1979	1916	1957	1921	1921	1891	1847	1891
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	94.2	0	85.7	83.3	83.0	66.5	4.37	96.2	97.2	102	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	844	840	836	836	889	843	836	836	836	836	836	840	856	846
56 Wells	800	800	760	760	800	800	800	800	800	800	780	800	800	800
57 Yale	130	131	129	133	129	116	102	94.0	94.0	106	122	106	133	132

Regional: Regulated Hydro

Operating Year 2023 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
58	Federal Entities	17684	17769	17063	16565	17142	17718	18040	18225	18066	17191	16980	17248	18058	18328
59	Investor Owned Utilities	4372	4379	4313	4354	4057	4305	4343	4137	4296	4132	4339	4202	4432	4337
60	Marketer	1012	1013	1014	1014	1015	1012	825	782	814	768	825	824	821	768
61	Municipality	2251	2186	2184	2276	2026	2272	2336	2037	2040	2026	2155	2093	2539	2509
62	Public Utility District	2483	2482	2446	2429	2424	2458	2643	2638	2609	2620	2644	2595	2678	2679
63	**Total Regulated Hydro**	**27802**	**27829**	**27020**	**26639**	**26662**	**27766**	**28186**	**27819**	**27826**	**26736**	**26942**	**26962**	**28528**	**28621**

Regional: Regulated Hydro

Operating Year 2024 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

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1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	32.0	32.0	21.1	37.1	20.7	20.2	21.8	23.3	23.4	25.4	30.1	35.9	46.0	46.5
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	4.28	37.0	36.3	39.4	40.2	47.1	48.7
3 Bonneville	991	991	1059	1047	1052	1033	1013	988	1035	934	934	929	937	992
4 Boundary	611	611	685	685	611	845	845	845	845	845	845	1005	1017	845
5 Box Canyon Dam	76.8	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	97.8	89.2	86.9	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	262	262	262	262	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	67.3	66.5	65.7	65.4	64.8	64.1	63.9	63.6	63.4	63.6	65.4	67.8
9 Chief Joseph	2451	2451	1990	2513	2481	2459	2428	2504	2323	2445	2445	2516	2465	2501
10 Cushman 1	27.5	22.1	18.8	16.7	8.38	17.2	17.2	15.8	18.4	22.5	22.8	20.0	21.9	21.2
11 Cushman 2	88.0	88.0	0.33	88.0	0	4.94	88.0	4.94	3.63	1.98	88.0	88.0	0.99	88.0
12 Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13 Dworshak	448	447	324	424	345	419	402	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	5170	5109	4757	3728	4003	4317	4508	4796	4722	4039	3930	3879	4829	5201
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	156	156	209	200	310	310	256	212	155	230	192	232	253	259
19 Ice Harbor	587	587	685	586	618	682	693	669	686	666	650	640	646	563
20 John Day	2331	2331	2154	2203	2411	2339	2417	2288	2366	2411	2412	2432	2448	2432
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	63.6	62.9	62.9	63.1	62.9	63.4	62.9
23 Libby	433	433	555	593	589	583	499	501	483	477	477	573	580	542
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	741	741	818	827	826	838	932	932	932	822	796	796	796	804
26 Long Lake	72.0	72.0	72.0	72.0	72.2	69.0	64.0	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	59.0	61.9	56.9	63.5	63.5	49.7	49.7	49.7	52.3	52.3	63.6	70.6
28 Lower Granite	599	687	768	830	829	840	843	907	919	820	799	917	799	822
29 Lower Monumental	710	769	756	776	780	819	928	928	911	848	837	834	836	700
30 Mayfield	125	125	125	125	125	125	163	125	125	125	172	83.6	125	125
31 McNary	1126	1126	1093	958	966	1046	1122	1126	1121	1112	1112	1126	1125	1126
32 Merwin	147	146	146	129	113	128	128	115	115	113	113	113	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	214	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	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
37 Noxon Rapids	533	533	456	211	543	528	543	533	533	535	539	538	543	543
38 Oak Grove	22.0	22.0	22.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	85.4	123	123	123	123	123	123	123	123	123	123	123	123	87.4
41 Pelton Rereg	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	14.6	10.3	10.2	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	10.9	10.9	18.8	18.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	18.8
45 Rock Island	582	586	593	592	581	583	592	591	593	593	593	586	566	579
46 Rocky Reach	1307	1306	1304	1305	1307	1307	1305	1305	1304	1304	1304	1306	1311	1307
47 Ross	448	395	441	429	417	403	367	319	286	248	238	293	383	439
48 Round Butte	300	300	300	300	300	300	300	170	170	170	300	300	300	170
49 Swift 1	263	263	260	205	0.21	168	162	140	152	158	146	0.24	251	265
50 Swift 2	62.1	62.1	64.3	65.6	0.09	76.1	76.1	76.1	76.1	76.1	76.1	0.09	59.8	59.8
51 The Dalles	1908	1908	1874	1843	1911	2011	1979	1916	1957	1921	1921	1891	1847	1891
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	94.2	0	85.7	83.3	83.0	66.5	4.37	96.2	97.2	102	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	844	840	836	836	889	843	836	836	836	836	836	840	856	846
56 Wells	800	800	760	760	800	800	800	800	800	800	780	800	800	800
57 Yale	130	131	129	133	129	116	102	94.0	94.0	106	122	106	133	132

Regional: Regulated Hydro

Operating Year 2024 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
58	Federal Entities	17684	17769	17063	16565	17142	17718	18040	18225	18066	17191	16980	17248	18058	18328
59	Investor Owned Utilities	4346	4379	4313	4024	4057	4305	4343	4137	4209	4132	4339	4202	4432	4337
60	Marketer	810	824	824	825	826	823	825	782	772	768	825	824	821	768
61	Municipality	2251	2186	2184	2276	2026	2272	2336	2037	2040	2026	2155	2093	2539	2509
62	Public Utility District	2671	2671	2636	2619	2613	2647	2643	2638	2609	2620	2644	2595	2678	2679
63	**Total Regulated Hydro**	**27764**	**27829**	**27020**	**26309**	**26662**	**27766**	**28186**	**27819**	**27696**	**26736**	**26942**	**26962**	**28528**	**28621**

Regional: Regulated Hydro

Operating Year 2025 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	32.0	32.0	21.1	37.1	20.7	20.2	21.8	23.3	23.4	25.4	30.1	35.9	46.0	46.5
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	4.28	37.0	36.3	39.4	40.2	47.1	48.7
3 Bonneville	991	991	1059	1047	1052	1033	1013	988	1035	934	934	929	937	992
4 Boundary	611	611	685	685	611	845	845	845	845	845	845	1005	1017	845
5 Box Canyon Dam	76.8	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	97.8	89.2	86.9	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	262	262	262	262	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	67.3	66.5	65.7	65.4	64.8	64.1	63.9	63.6	63.4	63.6	65.4	67.8
9 Chief Joseph	2451	2451	1990	2513	2481	2459	2428	2504	2323	2445	2445	2516	2465	2501
10 Cushman 1	27.5	22.1	18.8	16.7	8.38	17.2	17.2	15.8	18.4	22.5	22.8	20.0	21.9	21.2
11 Cushman 2	88.0	88.0	0.33	88.0	0	4.94	88.0	4.94	3.63	1.98	88.0	88.0	0.99	88.0
12 Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13 Dworshak	448	447	324	424	345	419	402	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	5170	5109	4757	3728	4003	4317	4508	4796	4722	4039	3930	3879	4829	5201
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	156	156	209	200	310	310	256	212	155	230	192	232	253	259
19 Ice Harbor	587	587	685	586	618	682	693	669	686	666	650	640	646	563
20 John Day	2331	2331	2154	2203	2411	2339	2417	2288	2366	2411	2412	2432	2448	2432
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	63.6	62.9	62.9	63.1	62.9	63.4	62.9
23 Libby	433	433	555	593	589	583	499	501	483	477	477	573	580	542
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	741	741	818	827	826	838	932	932	932	822	796	796	796	804
26 Long Lake	72.0	72.0	72.0	72.0	72.2	69.0	64.0	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	59.0	61.9	56.9	63.5	63.5	49.7	49.7	49.7	52.3	52.3	63.6	70.6
28 Lower Granite	599	687	768	830	829	840	843	907	919	820	799	917	799	822
29 Lower Monumental	710	769	756	776	780	819	928	928	911	848	837	834	836	700
30 Mayfield	125	125	125	125	125	125	163	125	125	125	172	83.6	125	125
31 McNary	1126	1126	1093	958	966	1046	1122	1126	1121	1112	1112	1126	1125	1126
32 Merwin	147	146	146	129	113	128	128	115	115	113	113	113	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	214	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	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
37 Noxon Rapids	533	533	456	211	543	528	543	533	533	535	539	538	543	543
38 Oak Grove	22.0	22.0	22.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	85.4	123	123	123	123	123	123	123	123	123	123	123	123	87.4
41 Pelton Rereg	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	14.6	10.3	10.2	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	10.9	10.9	18.8	18.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	18.8
45 Rock Island	582	586	593	592	581	583	592	591	593	593	593	586	566	579
46 Rocky Reach	1307	1306	1304	1305	1307	1307	1305	1305	1304	1304	1304	1306	1311	1307
47 Ross	448	395	441	429	417	403	367	319	286	248	238	293	383	439
48 Round Butte	300	300	300	300	300	300	300	170	170	170	300	300	300	170
49 Swift 1	263	263	260	205	0.21	168	162	140	152	158	146	0.24	251	265
50 Swift 2	62.1	62.1	64.3	65.6	0.09	76.1	76.1	76.1	76.1	76.1	76.1	0.09	59.8	59.8
51 The Dalles	1908	1908	1874	1843	1911	2011	1979	1916	1957	1921	1921	1891	1847	1891
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	94.2	0	85.7	83.3	83.0	66.5	4.37	96.2	97.2	102	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	844	840	836	836	889	843	836	836	836	836	836	840	856	846
56 Wells	800	800	760	760	800	800	800	800	800	800	780	800	800	800
57 Yale	130	131	129	133	129	116	102	94.0	94.0	106	122	106	133	132

Regional: Regulated Hydro

Operating Year 2025 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Regulated Hydro															
58	Federal Entities	17684	17769	17063	16565	17142	17718	18040	18225	18066	17191	16980	17248	18058	18328
59	Investor Owned Utilities	4346	4379	4313	4024	4057	4305	4343	4137	4209	4132	4339	4202	4432	4337
60	Marketer	810	824	824	825	826	823	825	782	772	768	825	824	821	768
61	Municipality	2251	2186	2184	2276	2026	2272	2336	2037	2040	2026	2155	2093	2539	2509
62	Public Utility District	2671	2671	2636	2619	2613	2647	2643	2638	2609	2620	2644	2595	2678	2679
63	**Total Regulated Hydro**	**27764**	**27829**	**27020**	**26309**	**26662**	**27766**	**28186**	**27819**	**27696**	**26736**	**26942**	**26962**	**28528**	**28621**

Regional: Regulated Hydro

Operating Year 2026 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	32.0	32.0	21.1	37.1	20.7	20.2	21.8	23.3	23.4	25.4	30.1	35.9	46.0	46.5
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	4.28	37.0	36.3	39.4	40.2	47.1	48.7
3 Bonneville	991	991	1059	1047	1052	1033	1013	988	1035	934	934	929	937	992
4 Boundary	611	611	685	685	611	845	845	845	845	845	845	1005	1017	845
5 Box Canyon Dam	76.8	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	97.8	89.2	86.9	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	262	262	262	262	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	67.3	66.5	65.7	65.4	64.8	64.1	63.9	63.6	63.4	63.6	65.4	67.8
9 Chief Joseph	2451	2451	1990	2513	2481	2459	2428	2504	2323	2445	2445	2516	2465	2501
10 Cushman 1	27.5	22.1	18.8	16.7	8.38	17.2	17.2	15.8	18.4	22.5	22.8	20.0	21.9	21.2
11 Cushman 2	88.0	88.0	0.33	88.0	0	4.94	88.0	4.94	3.63	1.98	88.0	88.0	0.99	88.0
12 Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13 Dworshak	448	447	324	424	345	419	402	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	5170	5109	4757	3728	4003	4317	4508	4796	4722	4039	3930	3879	4829	5201
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	156	156	209	200	310	310	256	212	155	230	192	232	253	259
19 Ice Harbor	587	587	685	586	618	682	693	669	686	666	650	640	646	563
20 John Day	2331	2331	2154	2203	2411	2339	2417	2288	2366	2411	2412	2432	2448	2432
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	63.6	62.9	62.9	63.1	62.9	63.4	62.9
23 Libby	433	433	555	593	589	583	499	501	483	477	477	573	580	542
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	741	741	818	827	826	838	932	932	932	822	796	796	796	804
26 Long Lake	72.0	72.0	72.0	72.0	72.2	69.0	64.0	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	59.0	61.9	56.9	63.5	63.5	49.7	49.7	49.7	52.3	52.3	63.6	70.6
28 Lower Granite	599	687	768	830	829	840	843	907	919	820	799	917	799	822
29 Lower Monumental	710	769	756	776	780	819	928	928	911	848	837	834	836	700
30 Mayfield	125	125	125	125	125	125	163	125	125	125	172	83.6	125	125
31 McNary	1126	1126	1093	958	966	1046	1122	1126	1121	1112	1112	1126	1125	1126
32 Merwin	147	146	146	129	113	128	128	115	115	113	113	113	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	214	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	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
37 Noxon Rapids	533	533	456	211	543	528	543	533	533	535	539	538	543	543
38 Oak Grove	22.0	22.0	22.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	85.4	123	123	123	123	123	123	123	123	123	123	123	123	87.4
41 Pelton Rereg	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	14.6	10.3	10.2	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	10.9	10.9	18.8	18.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	18.8
45 Rock Island	582	586	593	592	581	583	592	591	593	593	593	586	566	579
46 Rocky Reach	1307	1306	1304	1305	1307	1307	1305	1305	1304	1304	1304	1306	1311	1307
47 Ross	448	395	441	429	417	403	367	319	286	248	238	293	383	439
48 Round Butte	300	300	300	300	300	300	300	170	170	170	300	300	300	170
49 Swift 1	263	263	260	205	0.21	168	162	140	152	158	146	0.24	251	265
50 Swift 2	62.1	62.1	64.3	65.6	0.09	76.1	76.1	76.1	76.1	76.1	76.1	0.09	59.8	59.8
51 The Dalles	1908	1908	1874	1843	1911	2011	1979	1916	1957	1921	1921	1891	1847	1891
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	94.2	0	85.7	83.3	83.0	66.5	4.37	96.2	97.2	102	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	844	840	836	836	889	843	836	836	836	836	836	840	856	846
56 Wells	800	800	760	760	800	800	800	800	800	800	780	800	800	800
57 Yale	130	131	129	133	129	116	102	94.0	94.0	106	122	106	133	132

Regional: Regulated Hydro

Operating Year 2026 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
58	Federal Entities	17684	17769	17063	16565	17142	17718	18040	18225	18066	17191	16980	17248	18058	18328
59	Investor Owned Utilities	4346	4379	4313	4024	4057	4305	4343	4137	4209	4132	4339	4202	4432	4299
60	Marketer	810	824	824	825	826	823	825	782	772	768	825	824	821	768
61	Municipality	2251	2186	2184	2276	2026	2272	2336	2037	2040	2026	2155	2093	2539	2509
62	Public Utility District	2671	2671	2636	2619	2613	2647	2643	2638	2609	2620	2644	2595	2678	2679
63	**Total Regulated Hydro**	**27764**	**27829**	**27020**	**26309**	**26662**	**27766**	**28186**	**27819**	**27696**	**26736**	**26942**	**26962**	**28528**	**28583**

Regional: Regulated Hydro

Operating Year 2027 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Albeni Falls Hydroelectric	32.0	32.0	21.1	37.1	20.7	20.2	21.8	23.3	23.4	25.4	30.1	35.9	46.0	46.5
2	Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	4.28	37.0	36.3	39.4	40.2	47.1	48.7
3	Bonneville	991	991	1059	1047	1052	1033	1013	988	1035	934	934	929	937	992
4	Boundary	611	611	685	685	611	845	845	845	845	845	845	1005	1017	845
5	Box Canyon Dam	76.8	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	97.8	89.2	86.9	83.5
6	Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7	Cabinet Gorge	262	262	262	262	262	262	262	262	262	262	262	262	262	262
8	Chelan Lake	67.4	67.3	67.3	66.5	65.7	65.4	64.8	64.1	63.9	63.6	63.4	63.6	65.4	67.8
9	Chief Joseph	2451	2451	1990	2513	2481	2459	2428	2504	2323	2445	2445	2516	2465	2501
10	Cushman 1	27.5	22.1	18.8	16.7	8.38	17.2	17.2	15.8	18.4	22.5	22.8	20.0	21.9	21.2
11	Cushman 2	88.0	88.0	0.33	88.0	0	4.94	88.0	4.94	3.63	1.98	88.0	88.0	0.99	88.0
12	Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13	Dworshak	448	447	324	424	345	419	402	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	5170	5109	4757	3728	4003	4317	4508	4796	4722	4039	3930	3879	4829	5201
17	Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18	Hungry Horse	156	156	209	200	310	310	256	212	155	230	192	232	253	259
19	Ice Harbor	587	587	685	586	618	682	693	669	686	666	650	640	646	563
20	John Day	2331	2331	2154	2203	2411	2339	2417	2288	2366	2411	2412	2432	2448	2432
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	63.6	62.9	62.9	63.1	62.9	63.4	62.9
23	Libby	433	433	555	593	589	583	499	501	483	477	477	573	580	542
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	741	741	818	827	826	838	932	932	932	822	796	796	796	804
26	Long Lake	72.0	72.0	72.0	72.0	72.2	69.0	64.0	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27	Lower Baker	59.2	57.3	59.0	61.9	56.9	63.5	63.5	49.7	49.7	49.7	52.3	52.3	63.6	70.6
28	Lower Granite	599	687	768	830	829	840	843	907	919	820	799	917	799	822
29	Lower Monumental	710	769	756	776	780	819	928	928	911	848	837	834	836	700
30	Mayfield	125	125	125	125	125	125	163	125	125	125	172	83.6	125	125
31	McNary	1126	1126	1093	958	966	1046	1122	1126	1121	1112	1112	1126	1125	1126
32	Merwin	147	146	146	129	113	128	128	115	115	113	113	113	131	148
33	Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34	Mossyrock	378	378	378	365	327	317	254	159	177	212	214	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	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
37	Noxon Rapids	533	533	456	211	543	528	543	533	533	535	539	538	543	543
38	Oak Grove	22.0	22.0	22.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
39	Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40	Pelton	85.4	123	123	123	123	123	123	123	123	123	123	123	123	87.4
41	Pelton Rereg	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	14.6	10.3	10.2	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	10.9	10.9	18.8	18.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	18.8
45	Rock Island	582	586	593	592	581	583	592	591	593	593	593	586	566	579
46	Rocky Reach	1307	1306	1304	1305	1307	1307	1305	1305	1304	1304	1304	1306	1311	1307
47	Ross	448	395	441	429	417	403	367	319	286	248	238	293	383	439
48	Round Butte	300	300	300	300	300	300	300	170	170	170	300	300	300	170
49	Swift 1	263	263	260	205	0.21	168	162	140	152	158	146	0.24	251	265
50	Swift 2	62.1	62.1	64.3	65.6	0.09	76.1	76.1	76.1	76.1	76.1	76.1	0.09	59.8	59.8
51	The Dalles	1908	1908	1874	1843	1911	2011	1979	1916	1957	1921	1921	1891	1847	1891
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	94.2	0	85.7	83.3	83.0	66.5	4.37	96.2	97.2	102	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	844	840	836	836	889	843	836	836	836	836	836	840	856	846
56	Wells	800	800	760	760	800	800	800	800	800	800	780	800	800	800
57	Yale	130	131	129	133	129	116	102	94.0	94.0	106	122	106	133	132

Regional: Regulated Hydro

Operating Year 2027 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
58	Federal Entities	17684	17769	17063	16565	17142	17718	18040	18225	18066	17191	16980	17248	18058	18328
59	Investor Owned Utilities	4346	4379	4313	4024	4057	4305	4343	4137	4209	4132	4339	4202	4432	4337
60	Marketer	810	824	824	825	826	823	825	782	772	768	825	824	821	768
61	Municipality	2251	2186	2184	2276	2026	2272	2336	2037	2040	2026	2155	2093	2539	2509
62	Public Utility District	2671	2671	2636	2619	2613	2647	2643	2638	2609	2620	2644	2595	2678	2679
63	**Total Regulated Hydro**	**27764**	**27829**	**27020**	**26309**	**26662**	**27766**	**28186**	**27819**	**27696**	**26736**	**26942**	**26962**	**28528**	**28621**

Regional: Regulated Hydro

Operating Year 2028 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Albeni Falls Hydroelectric	32.0	32.0	21.1	37.1	20.7	20.2	21.8	23.3	23.4	25.4	30.1	35.9	46.0	46.5
2	Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	4.28	37.0	36.3	39.4	40.2	47.1	48.7
3	Bonneville	991	991	1059	1047	1052	1033	1013	988	1035	934	934	929	937	992
4	Boundary	611	611	685	685	611	845	845	845	845	845	845	1005	1017	845
5	Box Canyon Dam	76.8	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	97.8	89.2	86.9	83.5
6	Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7	Cabinet Gorge	262	262	262	262	262	262	262	262	262	262	262	262	262	262
8	Chelan Lake	67.4	67.3	67.3	66.5	65.7	65.4	64.8	64.1	63.9	63.6	63.4	63.6	65.4	67.8
9	Chief Joseph	2451	2451	1990	2513	2481	2459	2428	2504	2323	2445	2445	2516	2465	2501
10	Cushman 1	27.5	22.1	18.8	16.7	8.38	17.2	17.2	15.8	18.4	22.5	22.8	20.0	21.9	21.2
11	Cushman 2	88.0	88.0	0.33	88.0	0	4.94	88.0	4.94	3.63	1.98	88.0	88.0	0.99	88.0
12	Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13	Dworshak	448	447	324	424	345	419	402	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	5170	5109	4757	3728	4003	4317	4508	4796	4722	4039	3930	3879	4829	5201
17	Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18	Hungry Horse	156	156	209	200	310	310	256	212	155	230	192	232	253	259
19	Ice Harbor	587	587	685	586	618	682	693	669	686	666	650	640	646	563
20	John Day	2331	2331	2154	2203	2411	2339	2417	2288	2366	2411	2412	2432	2448	2432
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	63.6	62.9	62.9	63.1	62.9	63.4	62.9
23	Libby	433	433	555	593	589	583	499	501	483	477	477	573	580	542
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	741	741	818	827	826	838	932	932	932	822	796	796	796	804
26	Long Lake	72.0	72.0	72.0	72.0	72.2	69.0	64.0	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27	Lower Baker	59.2	57.3	59.0	61.9	56.9	63.5	63.5	49.7	49.7	49.7	52.3	52.3	63.6	70.6
28	Lower Granite	599	687	768	830	829	840	843	907	919	820	799	917	799	822
29	Lower Monumental	710	769	756	776	780	819	928	928	911	848	837	834	836	700
30	Mayfield	125	125	125	125	125	125	163	125	125	125	172	83.6	125	125
31	McNary	1126	1126	1093	958	966	1046	1122	1126	1121	1112	1112	1126	1125	1126
32	Merwin	147	146	146	129	113	128	128	115	115	113	113	113	131	148
33	Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34	Mossyrock	378	378	378	365	327	317	254	159	177	212	214	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	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
37	Noxon Rapids	533	533	456	211	543	528	543	533	533	535	539	538	543	543
38	Oak Grove	22.0	22.0	22.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
39	Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40	Pelton	85.4	123	123	123	123	123	123	123	123	123	123	123	123	87.4
41	Pelton Rereg	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	14.6	10.3	10.2	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	10.9	10.9	18.8	18.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	18.8
45	Rock Island	582	586	593	592	581	583	592	591	593	593	593	586	566	579
46	Rocky Reach	1307	1306	1304	1305	1307	1307	1305	1305	1304	1304	1304	1306	1311	1307
47	Ross	448	395	441	429	417	403	367	319	286	248	238	293	383	439
48	Round Butte	300	300	300	300	300	300	300	170	170	170	300	300	300	170
49	Swift 1	263	263	260	205	0.21	168	162	140	152	158	146	0.24	251	265
50	Swift 2	62.1	62.1	64.3	65.6	0.09	76.1	76.1	76.1	76.1	76.1	76.1	0.09	59.8	59.8
51	The Dalles	1908	1908	1874	1843	1911	2011	1979	1916	1957	1921	1921	1891	1847	1891
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	94.2	0	85.7	83.3	83.0	66.5	4.37	96.2	97.2	102	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	844	840	836	836	889	843	836	836	836	836	836	840	856	846
56	Wells	800	800	760	760	800	800	800	800	800	800	780	800	800	800
57	Yale	130	131	129	133	129	116	102	94.0	94.0	106	122	106	133	132

Regional: Regulated Hydro

Operating Year 2028 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
58	Federal Entities	17684	17769	17063	16565	17142	17718	18040	18225	18066	17191	16980	17248	18058	18328
59	Investor Owned Utilities	4346	4379	4313	4024	4057	4305	4343	4137	4209	4132	4339	4202	4432	4299
60	Marketer	810	824	824	825	826	823	825	782	772	768	825	824	821	768
61	Municipality	2251	2186	2184	2276	2026	2272	2336	2037	2040	2026	2155	2093	2539	2509
62	Public Utility District	2671	2671	2636	2619	2613	2647	2643	2638	2609	2620	2644	2595	2678	2679
63	**Total Regulated Hydro**	**27764**	**27829**	**27020**	**26309**	**26662**	**27766**	**28186**	**27819**	**27696**	**26736**	**26942**	**26962**	**28528**	**28583**

Regional: Regulated Hydro

Operating Year 2029 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Albeni Falls Hydroelectric	32.0	32.0	21.1	37.1	20.7	20.2	21.8	23.3	23.4	25.4	30.1	35.9	46.0	46.5
2	Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	4.28	37.0	36.3	39.4	40.2	47.1	48.7
3	Bonneville	991	991	1059	1047	1052	1033	1013	988	1035	934	934	929	937	992
4	Boundary	611	611	685	685	611	845	845	845	845	845	845	1005	1017	845
5	Box Canyon Dam	76.8	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	97.8	89.2	86.9	83.5
6	Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7	Cabinet Gorge	262	262	262	262	262	262	262	262	262	262	262	262	262	262
8	Chelan Lake	67.4	67.3	67.3	66.5	65.7	65.4	64.8	64.1	63.9	63.6	63.4	63.6	65.4	67.8
9	Chief Joseph	2451	2451	1990	2513	2481	2459	2428	2504	2323	2445	2445	2516	2465	2501
10	Cushman 1	27.5	22.1	18.8	16.7	8.38	17.2	17.2	15.8	18.4	22.5	22.8	20.0	21.9	21.2
11	Cushman 2	88.0	88.0	0.33	88.0	0	4.94	88.0	4.94	3.63	1.98	88.0	88.0	0.99	88.0
12	Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13	Dworshak	448	447	324	424	345	419	402	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	5170	5109	4757	3728	4003	4317	4508	4796	4722	4039	3930	3879	4829	5201
17	Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18	Hungry Horse	156	156	209	200	310	310	256	212	155	230	192	232	253	259
19	Ice Harbor	587	587	685	586	618	682	693	669	686	666	650	640	646	563
20	John Day	2331	2331	2154	2203	2411	2339	2417	2288	2366	2411	2412	2432	2448	2432
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	63.6	62.9	62.9	63.1	62.9	63.4	62.9
23	Libby	433	433	555	593	589	583	499	501	483	477	477	573	580	542
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	741	741	818	827	826	838	932	932	932	822	796	796	796	804
26	Long Lake	72.0	72.0	72.0	72.0	72.2	69.0	64.0	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27	Lower Baker	59.2	57.3	59.0	61.9	56.9	63.5	63.5	49.7	49.7	49.7	52.3	52.3	63.6	70.6
28	Lower Granite	599	687	768	830	829	840	843	907	919	820	799	917	799	822
29	Lower Monumental	710	769	756	776	780	819	928	928	911	848	837	834	836	700
30	Mayfield	125	125	125	125	125	125	163	125	125	125	172	83.6	125	125
31	McNary	1126	1126	1093	958	966	1046	1122	1126	1121	1112	1112	1126	1125	1126
32	Merwin	147	146	146	129	113	128	128	115	115	113	113	113	131	148
33	Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34	Mossyrock	378	378	378	365	327	317	254	159	177	212	214	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	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
37	Noxon Rapids	533	533	456	211	543	528	543	533	533	535	539	538	543	543
38	Oak Grove	22.0	22.0	22.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
39	Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40	Pelton	85.4	123	123	123	123	123	123	123	123	123	123	123	123	87.4
41	Pelton Rereg	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	14.6	10.3	10.2	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	10.9	10.9	18.8	18.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	18.8
45	Rock Island	582	586	593	592	581	583	592	591	593	593	593	586	566	579
46	Rocky Reach	1307	1306	1304	1305	1307	1307	1305	1305	1304	1304	1304	1306	1311	1307
47	Ross	448	395	441	429	417	403	367	319	286	248	238	293	383	439
48	Round Butte	300	300	300	300	300	300	300	170	170	170	300	300	300	170
49	Swift 1	263	263	260	205	0.21	168	162	140	152	158	146	0.24	251	265
50	Swift 2	62.1	62.1	64.3	65.6	0.09	76.1	76.1	76.1	76.1	76.1	76.1	0.09	59.8	59.8
51	The Dalles	1908	1908	1874	1843	1911	2011	1979	1916	1957	1921	1921	1891	1847	1891
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	94.2	0	85.7	83.3	83.0	66.5	4.37	96.2	97.2	102	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	844	840	836	836	889	843	836	836	836	836	836	840	856	846
56	Wells	800	800	760	760	800	800	800	800	800	800	780	800	800	800
57	Yale	130	131	129	133	129	116	102	94.0	94.0	106	122	106	133	132

Regional: Regulated Hydro

Operating Year 2029 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
58	Federal Entities	17684	17769	17063	16565	17142	17718	18040	18225	18066	17191	16980	17248	18058	18328
59	Investor Owned Utilities	4346	4379	4166	3877	3901	4150	4187	3982	4054	3976	4188	4047	4277	4181
60	Marketer	810	824	824	825	826	823	825	782	772	768	825	824	821	768
61	Municipality	2251	2186	2184	2276	2026	2272	2336	2037	2040	2026	2155	2093	2539	2509
62	Public Utility District	2671	2671	2783	2766	2768	2802	2799	2793	2765	2775	2795	2750	2833	2834
63	**Total Regulated Hydro**	**27764**	**27829**	**27020**	**26309**	**26662**	**27766**	**28186**	**27819**	**27696**	**26736**	**26942**	**26962**	**28528**	**28621**

Regional: Regulated Hydro

Operating Year 2030 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Albeni Falls Hydroelectric	32.0	32.0	21.1	37.1	20.7	20.2	21.8	23.3	23.4	25.4	30.1	35.9	46.0	46.5
2 Alder Hydroelectric	37.1	30.5	0	31.5	0	0	39.1	4.28	37.0	36.3	39.4	40.2	47.1	48.7
3 Bonneville	991	991	1059	1047	1052	1033	1013	988	1035	934	934	929	937	992
4 Boundary	611	611	685	685	611	845	845	845	845	845	845	1005	1017	845
5 Box Canyon Dam	76.8	77.0	76.7	72.9	75.8	75.7	75.3	76.6	76.7	96.9	97.8	89.2	86.9	83.5
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	262	262	262	262	262	262	262	262	262	262	262	262	262	262
8 Chelan Lake	67.4	67.3	67.3	66.5	65.7	65.4	64.8	64.1	63.9	63.6	63.4	63.6	65.4	67.8
9 Chief Joseph	2451	2451	1990	2513	2481	2459	2428	2504	2323	2445	2445	2516	2465	2501
10 Cushman 1	27.5	22.1	18.8	16.7	8.38	17.2	17.2	15.8	18.4	22.5	22.8	20.0	21.9	21.2
11 Cushman 2	88.0	88.0	0.33	88.0	0	4.94	88.0	4.94	3.63	1.98	88.0	88.0	0.99	88.0
12 Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13 Dworshak	448	447	324	424	345	419	402	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	5170	5109	4757	3728	4003	4317	4508	4796	4722	4039	3930	3879	4829	5201
17 Hells Canyon	236	244	271	247	253	253	306	253	335	304	320	361	306	260
18 Hungry Horse	156	156	209	200	310	310	256	212	155	230	192	232	253	259
19 Ice Harbor	587	587	685	586	618	682	693	669	686	666	650	640	646	563
20 John Day	2331	2331	2154	2203	2411	2339	2417	2288	2366	2411	2412	2432	2448	2432
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	63.6	62.9	62.9	63.1	62.9	63.4	62.9
23 Libby	433	433	555	593	589	583	499	501	483	477	477	573	580	542
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	741	741	818	827	826	838	932	932	932	822	796	796	796	804
26 Long Lake	72.0	72.0	72.0	72.0	72.2	69.0	64.0	63.6	68.6	72.5	72.5	72.5	72.5	72.2
27 Lower Baker	59.2	57.3	59.0	61.9	56.9	63.5	63.5	49.7	49.7	49.7	52.3	52.3	63.6	70.6
28 Lower Granite	599	687	768	830	829	840	843	907	919	820	799	917	799	822
29 Lower Monumental	710	769	756	776	780	819	928	928	911	848	837	834	836	700
30 Mayfield	125	125	125	125	125	125	163	125	125	125	172	83.6	125	125
31 McNary	1126	1126	1093	958	966	1046	1122	1126	1121	1112	1112	1126	1125	1126
32 Merwin	147	146	146	129	113	128	128	115	115	113	113	113	131	148
33 Monroe Street	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.7	13.8
34 Mossyrock	378	378	378	365	327	317	254	159	177	212	214	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	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
37 Noxon Rapids	533	533	456	211	543	528	543	533	533	535	539	538	543	543
38 Oak Grove	22.0	22.0	22.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
39 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40 Pelton	85.4	123	123	123	123	123	123	123	123	123	123	123	123	87.4
41 Pelton Rereg	10.1	10.1	-4.43	11.1	10.5	9.45	8.70	9.83	10.4	11.6	14.6	10.3	10.2	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	10.9	10.9	18.8	18.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	18.8
45 Rock Island	582	586	593	592	581	583	592	591	593	593	593	586	566	579
46 Rocky Reach	1307	1306	1304	1305	1307	1307	1305	1305	1304	1304	1304	1306	1311	1307
47 Ross	448	395	441	429	417	403	367	319	286	248	238	293	383	439
48 Round Butte	300	300	300	300	300	300	300	170	170	170	300	300	300	170
49 Swift 1	263	263	260	205	0.21	168	162	140	152	158	146	0.24	251	265
50 Swift 2	62.1	62.1	64.3	65.6	0.09	76.1	76.1	76.1	76.1	76.1	76.1	0.09	59.8	59.8
51 The Dalles	1908	1908	1874	1843	1911	2011	1979	1916	1957	1921	1921	1891	1847	1891
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	94.2	0	85.7	83.3	83.0	66.5	4.37	96.2	97.2	102	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	844	840	836	836	889	843	836	836	836	836	836	840	856	846
56 Wells	800	800	760	760	800	800	800	800	800	800	780	800	800	800
57 Yale	130	131	129	133	129	116	102	94.0	94.0	106	122	106	133	132

Regional: Regulated Hydro

Operating Year 2030 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
58	Federal Entities	17684	17769	17063	16565	17142	17718	18040	18225	18066	17191	16980	17248	18058	18328
59	Investor Owned Utilities	4191	4224	4166	3877	3901	4150	4187	3982	4054	3976	4188	4047	4277	4181
60	Marketer	810	824	824	825	826	823	825	782	772	768	825	824	821	768
61	Municipality	2251	2186	2184	2276	2026	2272	2336	2037	2040	2026	2155	2093	2539	2509
62	Public Utility District	2827	2826	2783	2766	2768	2802	2799	2793	2765	2775	2795	2750	2833	2834
63	**Total Regulated Hydro**	**27764**	**27829**	**27020**	**26309**	**26662**	**27766**	**28186**	**27819**	**27696**	**26736**	**26942**	**26962**	**28528**	**28621**

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Exhibit 27
Regional Independent Hydro

Monthly 1-Hour Capacity
Operating Year 2021 to 2030
Using 1937-Water Conditions

Regional: Independent Hydro

Operating Year 2021 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

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
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

Regional: Independent Hydro

Operating Year 2021 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
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**

Regional: Independent Hydro

Operating Year 2022 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

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
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

Regional: Independent Hydro

Operating Year 2022 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
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**

Regional: Independent Hydro

Operating Year 2023 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

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
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

Regional: Independent Hydro

Operating Year 2023 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
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**

Regional: Independent Hydro

Operating Year 2024 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

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
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

Regional: Independent Hydro

Operating Year 2024 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
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**

Regional: Independent Hydro

Operating Year 2025 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

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
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

Regional: Independent Hydro

Operating Year 2025 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
	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**

Regional: Independent Hydro

Operating Year 2026 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

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
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

Regional: Independent Hydro

Operating Year 2026 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
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**

Regional: Independent Hydro

Operating Year 2027 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

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
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

Regional: Independent Hydro

Operating Year 2027 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
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**

Regional: Independent Hydro

Operating Year 2028 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

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
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

Regional: Independent Hydro

Operating Year 2028 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
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**

Regional: Independent Hydro

Operating Year 2029 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

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
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

Regional: Independent Hydro

Operating Year 2029 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
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**

Regional: Independent Hydro

Operating Year 2030 Water Year: 1937

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

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
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

Regional: Independent Hydro

Operating Year 2030 Water Year: 1937

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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
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 2021 to 2030
Using 1937-Water Conditions

Federal Report Surplus Deficit By Water Year

Operating Year 2021

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	1763	2837	3096	566	1231	785	716	837	546	918	49.8	2409	4987	1488
2	1930 Federal Report Surplus Deficit	2196	2100	3091	704	1376	851	-62.0	944	494	1533	827	2351	3751	3210
3	1931 Federal Report Surplus Deficit	2789	2416	2864	724	1277	973	14.3	753	563	1292	-118	2650	3696	3124
4	1932 Federal Report Surplus Deficit	3099	2453	2911	277	821	868	707	-716	2680	4141	5438	5832	5592	4735
5	1933 Federal Report Surplus Deficit	2745	3131	3089	629	983	2047	2426	3877	2791	3254	2610	5087	6196	5428
6	1934 Federal Report Surplus Deficit	3968	4229	3157	1618	2434	2896	3284	4706	4717	5347	5427	5435	5188	2143
7	1935 Federal Report Surplus Deficit	1452	2002	2817	540	445	1338	2361	3587	2953	1866	3318	5094	4383	4788
8	1936 Federal Report Surplus Deficit	3991	2477	3116	456	1197	787	147	357	800	1462	4697	6051	5441	3964
9	1937 Federal Report Surplus Deficit	2216	2160	3070	721	1465	952	-113	227	243	1048	73.2	2458	4654	2671
10	1938 Federal Report Surplus Deficit	2203	1868	3031	560	1059	1619	2109	2910	4011	4652	5603	5414	5055	4926
11	1939 Federal Report Surplus Deficit	1451	1882	3082	590	983	777	1639	2015	1560	2239	3951	4968	4204	3442
12	1940 Federal Report Surplus Deficit	2225	2224	3022	772	1445	1678	1651	1502	3316	3491	2993	5201	4180	1473
13	1941 Federal Report Surplus Deficit	1628	1738	2878	434	1419	1509	1091	1213	1328	1245	-76.1	2340	4035	2877
14	1942 Federal Report Surplus Deficit	2921	2574	2903	311	1705	2334	2144	2820	610	1222	2323	3743	5453	5055
15	1943 Federal Report Surplus Deficit	2622	3093	2970	741	694	1309	2623	3728	3777	5818	5701	5466	6033	5385
16	1944 Federal Report Surplus Deficit	3426	3051	3129	435	1225	801	1073	885	218	855	-409	2385	3683	1652
17	1945 Federal Report Surplus Deficit	2829	2179	2903	353	1198	908	438	504	453	1008	-203	4814	5500	2082
18	1946 Federal Report Surplus Deficit	2388	2255	3114	412	1318	1671	2014	3007	2976	5258	5661	5464	5181	5168
19	1947 Federal Report Surplus Deficit	3335	2924	3061	320	1765	2733	2933	4444	4090	4305	3780	5757	5388	4956
20	1948 Federal Report Surplus Deficit	2706	2388	3058	3524	2367	2266	2905	4131	2887	3749	5080	5615	6231	5201
21	1949 Federal Report Surplus Deficit	3994	4055	3092	1072	1532	1584	1863	2746	4113	4489	5277	6011	5077	2289
22	1950 Federal Report Surplus Deficit	1146	1855	3059	420	1093	1700	2817	4460	4557	5420	4646	5316	6106	5616
23	1951 Federal Report Surplus Deficit	3969	4124	3173	1984	2455	2726	3253	5003	5009	5518	5183	5409	5312	5312
24	1952 Federal Report Surplus Deficit	4018	3074	3067	3113	2148	2308	2821	4362	2905	5503	5721	5752	5416	4965
25	1953 Federal Report Surplus Deficit	3499	2370	3097	585	1182	836	1278	4865	2072	859	1678	5442	6179	5363
26	1954 Federal Report Surplus Deficit	2733	3225	3121	970	1766	2013	2649	4652	3785	3594	3717	5484	5853	5514
27	1955 Federal Report Surplus Deficit	3973	4431	3989	1157	2182	1930	1449	1931	157	1257	1153	4840	6162	5564
28	1956 Federal Report Surplus Deficit	3981	3966	3144	1351	2346	2734	3268	5025	5035	5254	5316	5557	6130	5277
29	1957 Federal Report Surplus Deficit	3575	3152	3105	1319	1491	2107	2009	1930	3460	5227	4111	5876	6022	4305
30	1958 Federal Report Surplus Deficit	2098	1994	3058	514	1305	1537	2467	3630	2662	2762	4626	5911	5768	3966
31	1959 Federal Report Surplus Deficit	2177	2327	3042	980	2149	2586	3121	4777	3398	4710	4095	5130	5752	5356
32	1960 Federal Report Surplus Deficit	4040	3542	4389	3849	2476	2390	2482	3482	3096	5690	5076	5127	5545	4733
33	1961 Federal Report Surplus Deficit	3630	2350	3058	911	1707	1721	2297	3886	4358	4587	3322	5563	5922	4159
34	1962 Federal Report Surplus Deficit	2347	2430	3029	395	1337	1693	2387	3648	1190	3010	5473	5642	5172	4109
35	1963 Federal Report Surplus Deficit	3519	3163	3100	1687	2192	2475	2464	3726	1333	1958	1369	5055	5645	4616
36	1964 Federal Report Surplus Deficit	3370	2807	3084	399	1371	1696	1842	2481	703	2893	2429	5588	6307	5443
37	1965 Federal Report Surplus Deficit	3969	3506	3351	2046	2043	2797	3437	5009	4879	2819	5498	5234	5580	5008
38	1966 Federal Report Surplus Deficit	3997	4289	2937	1189	1566	1802	2256	3211	1345	3527	3393	4756	5174	4647
39	1967 Federal Report Surplus Deficit	3584	2302	3042	364	1134	2113	2906	4527	3805	3384	1645	5086	6065	5279
40	1968 Federal Report Surplus Deficit	3865	2869	3045	976	1888	1801	2476	4100	4033	1174	1064	4658	5486	4881
41	1969 Federal Report Surplus Deficit	4004	3655	3575	2126	2370	2301	3192	4768	3985	5323	5546	5692	5696	5007
42	1970 Federal Report Surplus Deficit	2532	1941	3188	1147	1612	1378	2407	3847	2030	1410	1235	5299	5936	4108
43	1971 Federal Report Surplus Deficit	2877	2487	3032	519	1334	1785	3309	4774	4993	5207	5013	5453	6257	5379
44	1972 Federal Report Surplus Deficit	4001	3352	3212	1373	1668	2064	3123	4935	5286	5482	4715	5194	6183	5380
45	1973 Federal Report Surplus Deficit	4003	4460	3097	1259	1750	1841	2248	3243	1125	847	-399	2414	4081	2401
46	1974 Federal Report Surplus Deficit	2403	1712	2888	470	1066	2367	3547	4523	5026	5281	5222	5003	6215	5668
47	1975 Federal Report Surplus Deficit	3980	4350	3141	273	1189	1454	2336	3458	3929	1889	2371	5423	6044	5458
48	1976 Federal Report Surplus Deficit	3805	3916	3184	2324	2438	2929	3127	4819	4420	5529	4934	5531	5584	5378
49	1977 Federal Report Surplus Deficit	3993	4568	4413	1420	1299	908	1249	1091	136	839	-346	2265	3692	1516
50	1978 Federal Report Surplus Deficit	2800	2289	2858	82.5	1137	1832	2176	2967	2425	5350	3696	5177	4823	4989
51	1979 Federal Report Surplus Deficit	2772	2415	3392	1498	1661	1097	1770	1481	2641	1807	2911	5685	4385	1786
52	1980 Federal Report Surplus Deficit	1939	1832	3104	638	1195	729	1838	920	766	3266	4460	6023	5617	4223
53	1981 Federal Report Surplus Deficit	1543	1905	2943	531	1682	2434	2706	4403	1587	902	1500	5594	5965	5266
54	1982 Federal Report Surplus Deficit	4062	4373	3058	797	1912	1824	2702	5061	5263	5218	4154	5326	5969	5537

Federal Report Surplus Deficit By Water Year

Operating Year 2021

2019 White Book Report Date: **2/6/2020** *Continued*

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	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	4098	4225	3628	2177	1956	2138	2887	4731	4987	4532	3571	5600	5489	5373
56	1984 Federal Report Surplus Deficit	3981	3716	3194	1104	2515	2302	2788	4247	4471	4067	5304	5715	6028	5325
57	1985 Federal Report Surplus Deficit	3973	3284	3207	1118	1906	1836	1971	2553	1475	3779	4542	5380	4269	2421
58	1986 Federal Report Surplus Deficit	1089	1832	3043	1513	2206	1944	2504	4642	5280	5380	5138	5232	5448	3701
59	1987 Federal Report Surplus Deficit	2976	2150	3061	261	1790	1896	1661	1155	2067	1889	2379	5652	4355	1486
60	1988 Federal Report Surplus Deficit	1554	1800	2901	440	1058	681	233	627	533	1005	1788	2632	4361	3698
61	1989 Federal Report Surplus Deficit	2496	2095	3072	474	1314	1545	966	-153	2471	3278	5406	5323	4430	2997
62	1990 Federal Report Surplus Deficit	1771	1966	3090	670	1700	2050	2260	4192	3175	3389	5115	5414	5656	4745
63	1991 Federal Report Surplus Deficit	4063	3370	3078	388	2419	2340	2827	4243	3402	3897	3563	5415	5517	5317
64	1992 Federal Report Surplus Deficit	4072	4188	3069	399	1337	681	1273	1380	1218	888	1270	5128	3982	1346
65	1993 Federal Report Surplus Deficit	2105	1862	2853	483	1378	1103	664	-343	1534	1761	537	5818	5092	4012
66	1994 Federal Report Surplus Deficit	2927	2975	3170	709	1539	1129	659	1198	505	1046	2690	4389	4159	3370
67	1995 Federal Report Surplus Deficit	2274	1730	2895	533	921	1126	1722	3059	3550	2358	728	5412	5599	4821
68	1996 Federal Report Surplus Deficit	2498	2775	3112	2156	2520	3092	3441	4958	5236	5392	5664	5411	5714	5264
69	1997 Federal Report Surplus Deficit	4096	3199	3124	842	1816	2345	3626	4745	5199	5276	5331	5421	6137	5313
70	1998 Federal Report Surplus Deficit	3978	4022	3576	3668	2348	1861	2045	4037	2335	1693	1533	5958	5850	4956
71	1999 Federal Report Surplus Deficit	3937	2320	3131	601	953	2245	3078	4753	5287	4039	4826	5478	5905	5447
72	2000 Federal Report Surplus Deficit	4088	4550	3105	870	2449	2483	2384	3553	3396	4921	5414	5586	4136	4580
73	2001 Federal Report Surplus Deficit	3737	1812	3044	640	1209	873	1036	848	549	814	-265	2377	3685	2101
74	2002 Federal Report Surplus Deficit	2829	2106	3017	55.9	1146	1455	808	1177	1197	2920	4901	5076	5794	5228
75	2003 Federal Report Surplus Deficit	2003	2061	3075	816	1498	999	967	1826	3243	2678	2816	3837	5614	3234
76	2004 Federal Report Surplus Deficit	1618	1844	3015	512	1771	1807	1281	718	1311	2480	2523	4397	4776	3247
77	2005 Federal Report Surplus Deficit	1298	2263	2953	1387	1662	2008	1965	3429	1400	774	982	4512	4636	3828
78	2006 Federal Report Surplus Deficit	2510	2037	3124	667	1771	1799	2668	4360	3074	5598	5396	5885	5806	4387
79	2007 Federal Report Surplus Deficit	1614	1853	3078	409	1761	1840	2379	2766	4412	4101	3055	5679	5175	4532
80	2008 Federal Report Surplus Deficit	1999	1852	3022	712	1703	1313	1416	1661	1587	1961	1213	5708	6234	5186

Ranked Averages

81	**Bottom 10 pct**	**1393**	**1924**	**2984**	**729**	**1361**	**1590**	**2076**	**3241**	**2785**	**2711**	**3047**	**4878**	**5035**	**4359**
82	**Middle 80 pct**	**3032**	**2766**	**3120**	**934**	**1583**	**1723**	**1989**	**2849**	**2620**	**3109**	**3179**	**4939**	**5333**	**4159**
83	**Top 10 pct**	**4067**	**3815**	**3315**	**1554**	**2064**	**2064**	**2625**	**3945**	**3683**	**4491**	**4263**	**5419**	**5274**	**4646**

Federal Report Surplus Deficit By Water Year

Operating Year 2022

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	3172	3533	1349	362	1015	879	751	976	773	912	-9.15	3336	5440	1526
2	1930 Federal Report Surplus Deficit	2175	2288	1298	452	1184	959	-114	1091	713	1522	784	3352	4203	3141
3	1931 Federal Report Surplus Deficit	2544	2421	1093	450	1095	1032	-30.4	897	791	1272	-192	3531	4155	3053
4	1932 Federal Report Surplus Deficit	3046	2345	1175	74.8	614	946	724	-598	2795	4049	4977	5687	6033	4592
5	1933 Federal Report Surplus Deficit	3496	3498	1934	405	783	2280	2987	3467	2960	3166	2623	4967	6706	5286
6	1934 Federal Report Surplus Deficit	4905	4977	2099	1310	3036	3217	3783	4264	4180	5243	4951	5007	5582	2100
7	1935 Federal Report Surplus Deficit	1794	2389	696	289	369	1386	2873	3343	2991	1853	3171	4807	4827	4632
8	1936 Federal Report Surplus Deficit	4790	2695	1106	252	982	877	61.4	519	1034	1429	4406	5765	5876	3857
9	1937 Federal Report Surplus Deficit	1967	2215	699	469	1299	1015	-199	393	498	1042	0.64	3385	5059	2619
10	1938 Federal Report Surplus Deficit	2403	2122	1392	348	852	1688	2493	3060	3662	4528	5253	5356	5502	4779
11	1939 Federal Report Surplus Deficit	2087	2187	1628	364	783	908	1872	2031	1786	2283	3819	4815	4643	3366
12	1940 Federal Report Surplus Deficit	1651	2114	878	499	1303	1798	1953	1593	3350	3494	2879	4951	4599	1511
13	1941 Federal Report Surplus Deficit	1372	1804	1037	201	1266	1569	1182	1324	1550	1227	-146	3273	4456	2813
14	1942 Federal Report Surplus Deficit	2706	2383	1583	104	1592	2736	2560	2713	840	1210	2241	4039	5913	4899
15	1943 Federal Report Surplus Deficit	3869	3638	2235	482	556	1358	3188	3518	3725	5576	5397	5090	6533	5267
16	1944 Federal Report Surplus Deficit	4049	3308	1377	263	1009	902	1197	1021	416	848	-456	3313	4141	1633
17	1945 Federal Report Surplus Deficit	2454	1955	960	150	985	968	413	669	663	1002	-251	4717	5922	2045
18	1946 Federal Report Surplus Deficit	2396	2337	1129	230	1105	1750	2352	2871	3090	5191	5290	5361	5612	5002
19	1947 Federal Report Surplus Deficit	4532	3973	1872	184	1656	3242	3580	3984	3946	4339	3662	5489	5816	4800
20	1948 Federal Report Surplus Deficit	3422	3012	1736	3613	2811	2646	3535	3788	2959	3627	4774	6000	6691	5036
21	1949 Federal Report Surplus Deficit	4921	5066	2422	785	1353	1650	2239	2667	4076	4370	4974	5722	5510	2246
22	1950 Federal Report Surplus Deficit	1256	1771	836	243	883	1826	3456	4094	4370	5295	4500	5164	6563	5479
23	1951 Federal Report Surplus Deficit	4923	4908	2290	1694	2997	3286	3850	4604	4383	5409	4851	5357	5728	5158
24	1952 Federal Report Surplus Deficit	4691	3177	1850	3058	2293	2688	3436	4011	2982	5400	5458	5821	5886	4815
25	1953 Federal Report Surplus Deficit	3700	2728	685	378	968	920	1387	4443	2259	852	1656	5121	6704	5230
26	1954 Federal Report Surplus Deficit	4002	3635	1862	695	1662	2202	3228	4248	3674	3641	3625	5383	6157	5397
27	1955 Federal Report Surplus Deficit	4930	5680	4058	865	2399	2161	1629	1956	426	1236	1110	4749	6627	5440
28	1956 Federal Report Surplus Deficit	4853	4338	1743	1046	2732	3254	3863	4570	4478	5200	5360	5910	6550	5118
29	1957 Federal Report Surplus Deficit	4709	4671	1950	1017	1300	2344	2429	1968	3521	5120	3920	6103	6516	4176
30	1958 Federal Report Surplus Deficit	3951	2505	1164	313	1092	1594	2989	3435	2774	2759	4357	5814	6240	3864
31	1959 Federal Report Surplus Deficit	3635	2584	1309	705	2285	3224	3822	4245	3394	4676	3946	4954	6186	5218
32	1960 Federal Report Surplus Deficit	4932	5191	4398	4018	3050	3058	3085	3258	3083	5538	4714	4916	5995	4598
33	1961 Federal Report Surplus Deficit	4428	2564	1462	639	1586	1821	2814	3700	4106	4515	3280	5180	6335	4041
34	1962 Federal Report Surplus Deficit	3577	2867	1136	222	1127	1779	2890	3398	1421	3015	5113	5203	5615	4002
35	1963 Federal Report Surplus Deficit	4062	3371	1303	1380	2407	3026	3095	3493	1562	1948	1336	4882	6089	4472
36	1964 Federal Report Surplus Deficit	3664	2870	2112	216	1164	1791	2133	2428	932	2870	2380	5249	6810	5317
37	1965 Federal Report Surplus Deficit	4837	4900	2969	1766	2143	3255	3886	4628	4268	2865	5303	5470	6050	4851
38	1966 Federal Report Surplus Deficit	4826	4758	1390	883	1417	1964	2702	3035	1575	3507	3279	4698	5622	4512
39	1967 Federal Report Surplus Deficit	3932	2565	1402	159	921	2358	3567	4083	3711	3458	1628	4921	6479	5134
40	1968 Federal Report Surplus Deficit	4484	4225	2078	684	1863	1965	3007	3785	3885	1144	1038	4635	5915	4724
41	1969 Federal Report Surplus Deficit	4627	4699	3429	1873	2821	2686	3819	4275	3899	5183	5106	5733	6095	4854
42	1970 Federal Report Surplus Deficit	3463	2408	1504	855	1457	1426	2901	3563	2092	1472	1236	5000	6447	3990
43	1971 Federal Report Surplus Deficit	2776	2491	923	293	1121	1897	3879	4405	4487	5166	4717	5925	6719	5249
44	1972 Federal Report Surplus Deficit	4921	5354	2308	1069	1516	2269	3801	4614	4557	5384	4428	5701	6638	5257
45	1973 Federal Report Surplus Deficit	4962	5531	2504	956	1635	1957	2688	3063	1358	840	-447	3341	4518	2352
46	1974 Federal Report Surplus Deficit	2645	1838	953	243	863	2797	3856	4371	4520	5176	5197	5531	6777	5541
47	1975 Federal Report Surplus Deficit	4947	5527	2419	138	974	1503	2802	3258	3772	1995	2273	5206	6585	5369
48	1976 Federal Report Surplus Deficit	4458	4412	2669	2078	2975	3280	3822	4322	4225	5389	4629	5793	6015	5244
49	1977 Federal Report Surplus Deficit	4865	5521	4471	1113	1086	967	1434	1210	405	833	-393	3225	4150	1506
50	1978 Federal Report Surplus Deficit	2452	1996	267	-69.6	923	1946	2582	2811	2617	5276	3525	5004	5214	4840
51	1979 Federal Report Surplus Deficit	4050	3372	3317	1189	1526	1160	2065	1573	2765	1730	2848	5301	4795	1763
52	1980 Federal Report Surplus Deficit	1690	1905	1324	397	981	879	2118	1056	1000	3221	4191	5643	6098	4100
53	1981 Federal Report Surplus Deficit	2081	2129	1544	292	1575	2994	3452	4032	1801	896	1485	5178	6427	5114
54	1982 Federal Report Surplus Deficit	4978	5147	2087	544	1914	1944	3287	4622	4467	5180	3944	5520	6505	5490

Federal Report Surplus Deficit By Water Year

Operating Year 2022

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	4971	5468	3486	1908	1959	2374	3505	4378	4507	4443	3472	5263	5977	5242
56	1984 Federal Report Surplus Deficit	4822	5135	2618	818	3112	2641	3390	3941	4442	4005	4975	5325	6564	5180
57	1985 Federal Report Surplus Deficit	4601	3486	2577	834	1855	1966	2336	2490	1694	3737	4279	5076	4678	2374
58	1986 Federal Report Surplus Deficit	1352	1747	1299	1204	2422	2133	3021	4355	4518	5280	4802	4915	5937	3614
59	1987 Federal Report Surplus Deficit	3057	2269	1071	112	1689	2053	1904	1271	2231	1793	2387	5188	4754	1489
60	1988 Federal Report Surplus Deficit	1625	1773	865	212	844	820	189	779	757	999	1729	3534	4771	3610
61	1989 Federal Report Surplus Deficit	2576	2279	1239	264	1101	1610	1004	10.8	2587	3245	5072	5009	4836	2938
62	1990 Federal Report Surplus Deficit	1747	2178	1202	428	1584	2354	2718	3807	3240	3449	4800	4959	6005	4591
63	1991 Federal Report Surplus Deficit	4372	4108	1233	214	3024	2824	3547	3857	3322	3944	3538	5114	5915	5175
64	1992 Federal Report Surplus Deficit	4959	4534	1384	221	1129	833	1440	1488	1431	855	1219	4868	4411	1384
65	1993 Federal Report Surplus Deficit	1944	1922	692	239	1181	1162	677	-188	1758	1745	478	5410	5494	3906
66	1994 Federal Report Surplus Deficit	2432	2760	1262	469	1389	1179	669	1307	725	1023	2597	4460	4600	3294
67	1995 Federal Report Surplus Deficit	2280	1937	1036	283	719	1183	1971	2963	3513	2358	673	5065	6033	4669
68	1996 Federal Report Surplus Deficit	3487	2824	2086	1890	3075	3236	3865	4624	4410	5321	5327	5480	6191	5126
69	1997 Federal Report Surplus Deficit	4868	4771	2012	586	1723	2715	3921	4420	4518	5170	5371	6033	6596	5190
70	1998 Federal Report Surplus Deficit	4780	5403	3381	3810	2768	1989	2392	3721	2476	1667	1499	5724	6366	4802
71	1999 Federal Report Surplus Deficit	4622	4237	1215	396	764	2563	3737	4392	4507	3904	4592	5299	6409	5336
72	2000 Federal Report Surplus Deficit	5063	5716	2129	610	3089	3055	2881	3344	3411	4966	5056	5185	4544	4447
73	2001 Federal Report Surplus Deficit	4123	2134	1098	410	993	950	1160	985	776	807	-313	3304	4143	2061
74	2002 Federal Report Surplus Deficit	2680	1992	385	-96.2	930	1507	837	1290	1416	2888	4627	4853	6208	5068
75	2003 Federal Report Surplus Deficit	2981	2889	1318	547	1321	1073	1026	1864	3265	2608	2776	4136	6065	3161
76	2004 Federal Report Surplus Deficit	1352	1839	494	270	1746	1931	1414	866	1540	2391	2500	4483	5199	3173
77	2005 Federal Report Surplus Deficit	1323	2508	2396	1079	1533	2212	2388	3213	1584	768	995	4431	5075	3736
78	2006 Federal Report Surplus Deficit	2578	2273	870	430	1692	1919	3198	4088	3109	5424	5055	5730	6233	4258
79	2007 Federal Report Surplus Deficit	2372	1984	319	219	1663	1970	2892	2668	4270	4086	2932	5262	5629	4406
80	2008 Federal Report Surplus Deficit	1774	1767	158	441	1592	1361	1574	1730	1772	1995	1220	5315	6698	5027

Ranked Averages

81	**Bottom 10 pct**	**1453**	**1933**	**1141**	**513**	**1372**	**1646**	**1965**	**2160**	**2334**	**2834**	**2681**	**4549**	**5337**	**3505**
82	**Middle 80 pct**	**3554**	**3181**	**1588**	**729**	**1548**	**1962**	**2466**	**2893**	**2753**	**3211**	**3228**	**5056**	**5808**	**4177**
83	**Top 10 pct**	**4968**	**5349**	**2808**	**1157**	**2019**	**2111**	**2665**	**3171**	**2807**	**3132**	**2668**	**4881**	**5645**	**4290**

Federal Report Surplus Deficit By Water Year

Operating Year 2023

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	3124	3821	1268	502	1107	934	749	1034	461	968	-57.4	2607	4334	1546
2	1930 Federal Report Surplus Deficit	2177	2594	1230	578	1311	1007	-122	1144	403	1498	708	2658	3449	3101
3	1931 Federal Report Surplus Deficit	2533	2735	1024	565	1227	1115	-38.5	952	481	1269	-231	2925	3424	3030
4	1932 Federal Report Surplus Deficit	3006	2656	1101	220	691	1011	720	-656	2521	3999	5230	5356	4917	4455
5	1933 Federal Report Surplus Deficit	3425	3792	1803	540	849	2546	3059	3237	2709	3040	2571	4926	5317	5051
6	1934 Federal Report Surplus Deficit	4606	4823	1958	1414	3670	4435	4061	3253	4262	5103	5168	4981	4359	2094
7	1935 Federal Report Surplus Deficit	1801	2709	681	412	413	1495	2943	3249	2725	1809	3130	4711	3859	4494
8	1936 Federal Report Surplus Deficit	4536	3020	1071	395	1077	935	56.8	554	721	1422	4491	5402	4753	3769
9	1937 Federal Report Surplus Deficit	1973	2512	733	595	1444	1094	-203	421	195	1098	-40.2	2656	4061	2597
10	1938 Federal Report Surplus Deficit	2393	2419	1304	488	925	1843	2550	3155	3417	4439	5418	5237	4379	4621
11	1939 Federal Report Surplus Deficit	2091	2477	1521	498	853	945	1897	2119	1479	2220	3817	4651	3744	3324
12	1940 Federal Report Surplus Deficit	1661	2404	867	617	1462	1991	1989	1669	3089	3389	2814	4800	3677	1530
13	1941 Federal Report Surplus Deficit	1445	2058	978	337	1420	1714	1187	1396	1239	1215	-191	2623	3582	2795
14	1942 Federal Report Surplus Deficit	2682	2700	1464	247	1765	3063	2623	2812	528	1229	2160	3712	4834	4715
15	1943 Federal Report Surplus Deficit	3760	3917	2088	604	606	1461	3271	3535	3485	5578	5540	4925	5289	5058
16	1944 Federal Report Surplus Deficit	3903	3613	1298	415	1100	953	1205	1081	113	904	-497	2583	3412	1650
17	1945 Federal Report Surplus Deficit	2442	2234	916	298	1087	1050	406	698	356	1057	-291	4531	4842	2039
18	1946 Federal Report Surplus Deficit	2392	2641	1088	378	1202	1914	2395	2967	2788	5162	5489	5217	4497	4814
19	1947 Federal Report Surplus Deficit	4318	4205	1739	348	1824	3930	3699	3303	3727	4230	3660	5227	4681	4627
20	1948 Federal Report Surplus Deficit	3345	3335	1609	4078	3294	2964	3639	3301	2688	3539	4901	5546	5249	4847
21	1949 Federal Report Surplus Deficit	4620	4795	2273	893	1483	1803	2292	2762	3846	4287	5119	5385	4388	2230
22	1950 Federal Report Surplus Deficit	1329	2006	837	393	957	2022	3567	3395	4157	5260	4573	5122	5314	5268
23	1951 Federal Report Surplus Deficit	4623	4828	2141	1810	3528	4036	4092	3594	4511	5273	4984	5221	4608	4948
24	1952 Federal Report Surplus Deficit	4458	3496	1711	3335	2606	3007	3534	3540	2722	5392	5591	5537	4744	4647
25	1953 Federal Report Surplus Deficit	3591	3055	727	520	1065	981	1394	3546	1955	908	1565	4966	5293	5026
26	1954 Federal Report Surplus Deficit	3859	3899	1737	811	1838	2438	3315	3498	3408	3546	3615	5258	5016	5154
27	1955 Federal Report Surplus Deficit	4708	4826	4183	973	2767	2425	1646	2043	122	1234	1023	4575	5311	5206
28	1956 Federal Report Surplus Deficit	4559	4511	1627	1150	3192	3968	4008	3574	4615	5092	5225	5491	5300	4926
29	1957 Federal Report Surplus Deficit	4447	4748	1815	1121	1423	2611	2493	2054	3249	5049	3942	5434	5170	4082
30	1958 Federal Report Surplus Deficit	3830	2824	1113	454	1191	1733	3062	3546	2492	2653	4421	5386	5124	3774
31	1959 Federal Report Surplus Deficit	3545	2908	1233	820	2609	3626	3945	3268	3151	4597	3965	4921	5038	5010
32	1960 Federal Report Surplus Deficit	4647	4942	4712	4826	3679	3452	3174	3277	2798	5563	4851	4760	4859	4455
33	1961 Federal Report Surplus Deficit	4236	2885	1364	755	1749	2001	2885	3503	3885	4427	3245	5120	5192	3946
34	1962 Federal Report Surplus Deficit	3484	3194	1082	373	1233	1949	2964	3277	1116	2930	5311	5081	4480	3917
35	1963 Federal Report Surplus Deficit	3911	3674	1233	1485	2767	3396	3190	3445	1256	1899	1246	4723	4978	4340
36	1964 Federal Report Surplus Deficit	3562	3196	1971	367	1273	1967	2167	2520	618	2767	2293	5090	5310	5102
37	1965 Federal Report Surplus Deficit	4549	4803	2841	1887	2406	4058	4179	3618	4414	2795	5409	5171	4977	4681
38	1966 Federal Report Surplus Deficit	4544	4830	1279	986	1566	2181	2771	3131	1257	3381	3233	4516	4473	4385
39	1967 Federal Report Surplus Deficit	3810	2886	1311	300	999	2625	3681	3281	3481	3352	1536	4891	5214	4930
40	1968 Federal Report Surplus Deficit	4278	4416	1939	792	2073	2182	3082	3405	3668	1155	956	4444	4795	4574
41	1969 Federal Report Surplus Deficit	4395	4761	3378	2011	3309	3007	3958	3269	3688	5169	5332	5473	4924	4675
42	1970 Federal Report Surplus Deficit	3389	2721	1418	963	1605	1545	2968	3305	1801	1467	1148	4844	5240	3912
43	1971 Federal Report Surplus Deficit	2752	2810	902	424	1220	2084	4068	3394	4559	5117	4845	5387	5293	5038
44	1972 Federal Report Surplus Deficit	4623	4845	2160	1171	1664	2506	3921	3607	4804	5241	4492	5130	5228	5046
45	1973 Federal Report Surplus Deficit	4661	4855	2356	1060	1804	2147	2755	3158	1050	896	-488	2611	3619	2343
46	1974 Federal Report Surplus Deficit	2629	2102	905	377	929	3117	4168	3361	4803	5036	5136	4941	5311	5337
47	1975 Federal Report Surplus Deficit	4649	4849	2271	305	1060	1626	2863	3348	3540	1934	2191	5148	5230	5191
48	1976 Federal Report Surplus Deficit	4245	4553	2518	2221	3503	4421	3947	3320	4000	5283	4742	5464	4901	5028
49	1977 Federal Report Surplus Deficit	4750	4962	4741	1216	1187	1050	1451	1277	101	888	-434	2567	3421	1526
50	1978 Federal Report Surplus Deficit	2441	2283	350	109	1008	2154	2649	2898	2351	5246	3514	4945	4131	4674
51	1979 Federal Report Surplus Deficit	3917	3666	3239	1293	1686	1238	2101	1649	2484	1688	2776	5114	3844	1773
52	1980 Federal Report Surplus Deficit	1700	2160	1254	526	1079	909	2151	1116	688	3121	4254	5353	4989	4009
53	1981 Federal Report Surplus Deficit	2085	2417	1424	418	1746	3346	3583	3301	1497	952	1394	5001	5171	4912
54	1982 Federal Report Surplus Deficit	4682	4919	1945	666	2137	2137	3376	3612	4738	5154	3837	5261	5204	5294

Federal Report Surplus Deficit By Water Year

Operating Year 2023

2019 White Book Report Date: **2/6/2020** *Continued*

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	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	4681	4953	3419	2035	2183	2641	3605	3581	4570	4333	3441	5060	4839	5037
56	1984 Federal Report Surplus Deficit	4536	4827	2470	929	3681	2947	3483	3505	4210	3921	5130	5130	5296	4978
57	1985 Federal Report Surplus Deficit	4364	3773	2430	946	2055	2164	2377	2578	1385	3630	4337	4926	3784	2366
58	1986 Federal Report Surplus Deficit	1425	1982	1213	1307	2775	2362	3093	3623	4759	5246	4937	4763	4802	3561
59	1987 Federal Report Surplus Deficit	3019	2569	1029	272	1865	2267	1930	1340	1939	1755	2309	5049	3764	1509
60	1988 Federal Report Surplus Deficit	1636	2009	834	349	943	844	181	828	444	1055	1634	2914	3850	3548
61	1989 Federal Report Surplus Deficit	2562	2586	1179	406	1204	1760	1004	9.41	2308	3189	5250	4856	3908	2915
62	1990 Federal Report Surplus Deficit	1756	2470	1141	556	1755	2647	2785	3263	2997	3377	4949	4917	4819	4465
63	1991 Federal Report Surplus Deficit	4194	4322	1170	367	3593	3172	3675	3273	3114	3820	3465	4991	4764	4957
64	1992 Federal Report Surplus Deficit	4667	4668	1300	375	1237	858	1455	1564	1123	898	1130	4715	3546	1404
65	1993 Federal Report Surplus Deficit	1950	2205	685	367	1301	1245	672	-203	1454	1719	414	5180	4383	3828
66	1994 Federal Report Surplus Deficit	2413	3086	1201	597	1543	1280	664	1378	415	1046	2518	4227	3667	3252
67	1995 Federal Report Surplus Deficit	2280	2214	980	410	792	1269	1999	3078	3275	2284	598	4910	4963	4524
68	1996 Federal Report Surplus Deficit	3414	3150	1946	2019	3672	4161	4168	3614	4664	5306	5508	5312	5042	4916
69	1997 Federal Report Surplus Deficit	4593	4855	1874	707	1903	3030	4214	3410	4788	5032	5243	5358	5196	4974
70	1998 Federal Report Surplus Deficit	4501	4832	3297	4389	3228	2186	2436	3336	2193	1642	1410	5313	5195	4640
71	1999 Federal Report Surplus Deficit	4400	4433	1165	538	827	2862	3852	3446	4734	3768	4681	5116	5284	5099
72	2000 Federal Report Surplus Deficit	4816	4944	1989	731	3703	3418	2950	3387	3149	4899	5234	5049	3734	4311
73	2001 Federal Report Surplus Deficit	3971	2425	1052	540	1086	1016	1168	1044	468	863	-354	2575	3413	2072
74	2002 Federal Report Surplus Deficit	2663	2260	478	82.8	1020	1638	834	1360	1110	2793	4741	4698	5042	4871
75	2003 Federal Report Surplus Deficit	2948	3215	1243	667	1456	1141	1026	1950	3016	2525	2720	3830	4981	3130
76	2004 Federal Report Surplus Deficit	1425	2079	561	401	1960	2127	1423	918	1239	2322	2433	4260	4096	3134
77	2005 Federal Report Surplus Deficit	1334	2832	2240	1181	1693	2465	2452	3234	1284	823	908	4243	3994	3672
78	2006 Federal Report Surplus Deficit	2567	2571	875	558	1879	2113	3286	3491	2876	5454	5225	5324	5088	4120
79	2007 Federal Report Surplus Deficit	2368	2249	443	367	1840	2170	2963	2761	4034	3976	2873	5093	4469	4278
80	2008 Federal Report Surplus Deficit	1783	2002	276	559	1766	1470	1589	1812	1470	1937	1134	5102	5298	4845

Ranked Averages

81	**Bottom 10 pct**	**1494**	**2191**	**1098**	**639**	**1536**	**1804**	**2005**	**2022**	**2113**	**2804**	**2670**	**4260**	**4288**	**3440**
82	**Middle 80 pct**	**3435**	**3380**	**1519**	**930**	**1785**	**2260**	**2572**	**2618**	**2593**	**3232**	**3331**	**4804**	**4699**	**4095**
83	**Top 10 pct**	**4702**	**4872**	**2776**	**920**	**2010**	**2038**	**2513**	**2746**	**2299**	**2530**	**1992**	**4373**	**4363**	**3789**

Federal Report Surplus Deficit By Water Year

Operating Year 2024

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	3032	3777	1225	474	1252	734	836	918	405	865	-115	3078	5824	1644
2	1930 Federal Report Surplus Deficit	2234	2583	1180	588	1415	813	141	1021	350	1428	681	3133	4230	3246
3	1931 Federal Report Surplus Deficit	2545	2739	972	598	1320	878	205	830	420	1181	-296	3391	4161	3160
4	1932 Federal Report Surplus Deficit	2932	2656	1050	186	825	799	836	-641	2494	4070	5424	6536	6476	4740
5	1933 Federal Report Surplus Deficit	3281	3760	1756	527	980	1802	2561	3865	2716	3080	2642	5793	6879	5460
6	1934 Federal Report Surplus Deficit	4114	4492	1918	1475	2542	3025	3661	4954	4709	5147	5343	6145	5902	2205
7	1935 Federal Report Surplus Deficit	1889	2724	635	425	374	1205	2506	3625	2744	1746	3215	5778	5051	4777
8	1936 Federal Report Surplus Deficit	4085	3043	1024	364	1219	732	326	425	654	1341	4642	6759	6287	3965
9	1937 Federal Report Surplus Deficit	2056	2487	693	606	1510	864	66.0	294	168	995	-103	3127	5318	2714
10	1938 Federal Report Surplus Deficit	2409	2394	1254	464	1063	1440	2173	3343	3514	4551	5556	6120	5911	4948
11	1939 Federal Report Surplus Deficit	2165	2439	1470	487	979	759	1704	2103	1419	2171	3923	5644	4784	3476
12	1940 Federal Report Surplus Deficit	1774	2366	822	646	1491	1468	1707	1602	3121	3426	2879	5878	4771	1629
13	1941 Federal Report Surplus Deficit	1572	1960	927	327	1447	1337	1315	1065	1179	1139	-251	3104	4586	2920
14	1942 Federal Report Surplus Deficit	2650	2710	1415	218	1729	2097	2217	2888	465	1113	2198	4434	6384	5088
15	1943 Federal Report Surplus Deficit	3502	3830	2052	622	654	1189	2753	3898	3623	5618	5776	6126	6851	5474
16	1944 Federal Report Surplus Deficit	3625	3597	1254	360	1245	756	1168	967	85.7	801	-635	3054	4162	1742
17	1945 Federal Report Surplus Deficit	2449	2178	866	262	1224	815	602	571	313	954	-399	5460	6406	2152
18	1946 Federal Report Surplus Deficit	2428	2630	1043	331	1345	1487	2128	2942	2799	5345	5679	6172	5977	5185
19	1947 Federal Report Surplus Deficit	3888	3986	1696	263	1806	2551	3173	4544	3922	4289	3769	6461	6218	4963
20	1948 Federal Report Surplus Deficit	3190	3354	1568	3480	2413	2027	3081	4351	2725	3547	5073	6322	6811	5236
21	1949 Federal Report Surplus Deficit	4134	4503	2240	939	1575	1413	1924	2805	4079	4343	5301	6715	5888	2322
22	1950 Federal Report Surplus Deficit	1456	1858	796	342	1100	1475	3011	4722	4453	5439	4718	6024	6876	5607
23	1951 Federal Report Surplus Deficit	4134	4471	2105	1850	2529	2630	3638	5054	4976	5316	5101	6116	6152	5376
24	1952 Federal Report Surplus Deficit	4039	3506	1675	3029	2175	2069	2977	4576	2712	5582	5692	6457	6361	4970
25	1953 Federal Report Surplus Deficit	3372	3079	689	492	1206	774	1374	5154	1914	805	1548	6122	6855	5437
26	1954 Federal Report Surplus Deficit	3580	3815	1689	843	1802	1771	2787	4909	3539	3571	3717	6193	6571	5537
27	1955 Federal Report Surplus Deficit	4306	4675	4158	1022	2208	1686	1528	2023	95.1	1151	1014	5537	6873	5577
28	1956 Federal Report Surplus Deficit	4069	4277	1581	1209	2381	2577	3482	5255	5069	5136	5224	6263	6862	5314
29	1957 Federal Report Surplus Deficit	3989	4363	1772	1179	1529	1863	2084	2019	3267	5169	4063	6583	6732	4305
30	1958 Federal Report Surplus Deficit	3588	2835	1062	424	1332	1381	2577	3784	2463	2603	4562	6615	6697	3980
31	1959 Federal Report Surplus Deficit	3361	2928	1183	853	2171	2382	3412	4959	3211	4701	4083	5842	6592	5408
32	1960 Federal Report Surplus Deficit	4164	4637	4605	3799	2556	2215	2631	3618	2823	5757	4986	5799	6420	4754
33	1961 Federal Report Surplus Deficit	3875	2902	1319	785	1745	1524	2404	4154	4100	4517	3334	6273	6740	4165
34	1962 Federal Report Surplus Deficit	3296	3218	1034	319	1368	1510	2490	3812	1042	2880	5503	6326	6050	4121
35	1963 Federal Report Surplus Deficit	3615	3655	1186	1544	2220	2268	2646	3896	1184	1858	1248	5744	6548	4621
36	1964 Federal Report Surplus Deficit	3355	3219	1929	318	1404	1501	1907	2554	560	2768	2300	6293	6872	5511
37	1965 Federal Report Surplus Deficit	4062	4448	2825	1916	2077	2630	3817	5187	4891	2761	5408	5941	6478	5003
38	1966 Federal Report Surplus Deficit	4064	4424	1242	1047	1599	1576	2340	3309	1194	3438	3315	5457	6003	4644
39	1967 Federal Report Surplus Deficit	3567	2902	1265	272	1145	1868	3123	4758	3629	3395	1472	5794	6776	5341
40	1968 Federal Report Surplus Deficit	3896	4211	1895	841	1913	1566	2590	4307	3866	1047	939	5363	6330	4871
41	1969 Federal Report Surplus Deficit	3975	4355	3372	2009	2419	2061	3438	4913	3942	5270	5466	6397	6450	5015
42	1970 Federal Report Surplus Deficit	3238	2725	1372	1012	1659	1241	2505	4040	1751	1380	1142	6002	6802	4091
43	1971 Federal Report Surplus Deficit	2729	2823	860	416	1361	1580	3567	4914	5027	5287	5018	6159	6855	5463
44	1972 Federal Report Surplus Deficit	4133	4616	2123	1232	1716	1827	3374	4978	5129	5283	4597	5899	6790	5460
45	1973 Federal Report Surplus Deficit	4177	4664	2325	1118	1796	1620	2330	3343	979	793	-625	3082	4662	2456
46	1974 Federal Report Surplus Deficit	2623	2021	858	367	1066	2137	3929	4976	4973	5080	5136	5711	6873	5631
47	1975 Federal Report Surplus Deficit	4177	4659	2236	216	1206	1309	2423	3579	3616	1886	2220	6130	6792	5548
48	1976 Federal Report Surplus Deficit	3859	4275	2498	2210	2510	2893	3408	5027	4316	5326	4907	6236	6488	5450
49	1977 Federal Report Surplus Deficit	4338	4817	4993	1277	1326	815	1328	1180	74.1	785	-572	3044	4171	1625
50	1978 Federal Report Surplus Deficit	2449	2241	318	1.08	1151	1598	2255	2998	2311	5376	3617	5884	5574	4997
51	1979 Federal Report Surplus Deficit	3602	3566	3231	1355	1704	1009	1829	1581	2467	1624	2843	6370	4942	1863
52	1980 Federal Report Surplus Deficit	1808	2063	1204	528	1220	725	1905	1002	617	3120	4395	6725	6533	4213
53	1981 Federal Report Surplus Deficit	2152	2377	1382	422	1724	2241	3032	4684	1437	849	1390	6264	6733	5331
54	1982 Federal Report Surplus Deficit	4191	4609	1904	681	1943	1604	2843	5129	5301	5295	3946	6031	6766	5615

Federal Report Surplus Deficit By Water Year

Operating Year 2024

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	4194	4727	3406	2053	1990	1893	3051	5033	5009	4405	3533	6305	6447	5450
56	1984 Federal Report Surplus Deficit	4053	4546	2439	972	2630	2060	2941	4484	4465	3922	5321	6399	6858	5393
57	1985 Federal Report Surplus Deficit	3936	3728	2397	987	1942	1624	2026	2614	1326	3662	4476	6063	4840	2475
58	1986 Federal Report Surplus Deficit	1552	1835	1174	1370	2236	1714	2612	4968	5314	5428	5113	5895	6304	3709
59	1987 Federal Report Surplus Deficit	2953	2550	985	197	1832	1667	1724	1245	1905	1699	2341	6288	4987	1607
60	1988 Federal Report Surplus Deficit	1749	1879	788	336	1083	666	421	701	390	952	1642	3389	4914	3714
61	1989 Federal Report Surplus Deficit	2562	2578	1128	379	1342	1375	1060	-88.4	2283	3122	5443	5998	5037	3033
62	1990 Federal Report Surplus Deficit	1851	2437	1099	559	1751	1807	2342	4355	3076	3384	5115	6083	6387	4749
63	1991 Federal Report Surplus Deficit	3855	4156	1124	312	2541	2126	3107	4436	3174	3918	3568	6123	6337	5385
64	1992 Federal Report Surplus Deficit	4178	4372	1252	320	1369	677	1419	1352	1054	795	1128	5768	4525	1502
65	1993 Federal Report Surplus Deficit	2029	2156	639	371	1416	1009	795	-279	1391	1658	371	6495	5886	4015
66	1994 Federal Report Surplus Deficit	2432	3110	1163	599	1587	1012	793	1290	361	921	2554	5068	4751	3403
67	1995 Federal Report Surplus Deficit	2330	2154	929	418	919	1028	1787	3171	3356	2257	568	6066	6542	4830
68	1996 Federal Report Surplus Deficit	3267	3175	1904	2033	2581	3099	3834	5098	5182	5413	5577	6117	6660	5332
69	1997 Federal Report Surplus Deficit	4119	4475	1833	725	1861	2108	3852	5041	5146	5076	5242	6130	6757	5396
70	1998 Federal Report Surplus Deficit	4025	4619	3288	3643	2397	1644	2101	4245	2157	1573	1408	6671	6757	4965
71	1999 Federal Report Surplus Deficit	3994	4235	1117	509	941	2002	3329	4887	5180	3808	4834	6185	6846	5492
72	2000 Federal Report Surplus Deficit	4413	4785	1945	750	2595	2294	2484	3714	3222	5055	5409	6244	4634	4587
73	2001 Federal Report Surplus Deficit	3674	2391	1005	535	1230	803	1205	775	407	760	-491	3046	4164	2174
74	2002 Federal Report Surplus Deficit	2653	2185	448	-25.6	1162	1306	929	1272	1041	2820	4905	5745	6637	5273
75	2003 Federal Report Surplus Deficit	2893	3238	1196	691	1542	926	1077	1903	3023	2516	2778	4575	6493	3265
76	2004 Federal Report Surplus Deficit	1552	1957	526	401	1805	1594	1375	795	1175	2298	2464	5118	5577	3281
77	2005 Federal Report Surplus Deficit	1470	2853	2218	1244	1696	1764	2041	3560	1222	720	899	5167	5396	3842
78	2006 Federal Report Surplus Deficit	2577	2549	837	559	1817	1595	2795	4591	2943	5646	5432	6589	6633	4388
79	2007 Federal Report Surplus Deficit	2354	2119	420	324	1783	1624	2485	2829	4314	4041	2944	6345	6043	4543
80	2008 Federal Report Surplus Deficit	1887	1855	261	587	1749	1186	1500	1771	1410	1897	1123	6398	6860	5221

Ranked Averages

81	**Bottom 10 pct**	**1616**	**2096**	**1057**	**649**	**1510**	**1343**	**1798**	**2302**	**2184**	**2815**	**2733**	**5162**	**5620**	**3614**
82	**Middle 80 pct**	**3232**	**3282**	**1478**	**887**	**1640**	**1626**	**2271**	**3231**	**2680**	**3241**	**3403**	**5793**	**6149**	**4376**
83	**Top 10 pct**	**4247**	**4664**	**2777**	**930**	**1804**	**1487**	**2176**	**3169**	**2419**	**2521**	**2007**	**5268**	**5609**	**4045**

Federal Report Surplus Deficit By Water Year

Operating Year 2025

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	3255	3608	1229	524	1172	690	586	771	380	826	-144	2181	4983	1660
2	1930 Federal Report Surplus Deficit	2279	2348	1191	675	1344	775	-42.1	876	325	1350	620	2231	3544	3249
3	1931 Federal Report Surplus Deficit	2645	2480	984	703	1250	814	13.9	685	401	1121	-317	2543	3508	3165
4	1932 Federal Report Surplus Deficit	3134	2404	1062	235	736	748	595	-761	2422	3907	5324	5690	5509	4714
5	1933 Federal Report Surplus Deficit	3567	3572	1769	592	888	1663	2225	3658	2660	2931	2550	4943	5860	5479
6	1934 Federal Report Surplus Deficit	4861	5003	1925	1624	2580	2963	3332	4696	4604	5065	5214	5297	4976	2198
7	1935 Federal Report Surplus Deficit	1897	2449	641	511	261	1125	2170	3423	2660	1654	3099	5038	4311	4755
8	1936 Federal Report Surplus Deficit	4755	2755	1031	415	1139	687	146	287	625	1216	4546	5892	5320	3956
9	1937 Federal Report Surplus Deficit	2070	2275	695	692	1444	803	-114	158	148	956	-127	2229	4560	2684
10	1938 Federal Report Surplus Deficit	2504	2182	1266	521	975	1336	1845	3149	3398	4486	5474	5273	5048	4908
11	1939 Federal Report Surplus Deficit	2190	2249	1484	554	888	729	1395	1935	1380	2044	3811	4910	4043	3458
12	1940 Federal Report Surplus Deficit	1752	2176	828	750	1427	1347	1389	1445	3043	3287	2765	5137	4025	1644
13	1941 Federal Report Surplus Deficit	1508	1872	938	399	1381	1238	1031	915	1142	1065	-278	2248	3879	2928
14	1942 Federal Report Surplus Deficit	2802	2442	1428	270	1667	1943	1887	2704	447	1086	2091	3662	5388	5067
15	1943 Federal Report Surplus Deficit	3926	3736	2058	714	548	1112	2417	3697	3483	5538	5697	5361	5832	5468
16	1944 Federal Report Surplus Deficit	4074	3380	1259	387	1164	715	883	819	65.7	762	-577	2157	3483	1756
17	1945 Federal Report Surplus Deficit	2555	2018	876	311	1146	752	390	434	297	915	-371	4724	5410	2153
18	1946 Federal Report Surplus Deficit	2499	2396	1048	366	1267	1378	1803	2757	2705	5300	5596	5325	5080	5183
19	1947 Federal Report Surplus Deficit	4518	4059	1705	266	1743	2400	2841	4318	3823	4201	3655	5614	5253	4943
20	1948 Federal Report Surplus Deficit	3489	3076	1573	3485	2355	1875	2747	4132	2647	3368	4989	5476	5792	5201
21	1949 Federal Report Surplus Deficit	4881	5090	2244	1055	1506	1309	1597	2624	3978	4241	5223	5869	5011	2311
22	1950 Federal Report Surplus Deficit	1392	1851	798	373	1013	1354	2676	4493	4351	5394	4618	5176	5858	5619
23	1951 Federal Report Surplus Deficit	4879	4932	2110	2002	2465	2481	3309	4796	4899	5232	4961	5269	5220	5361
24	1952 Federal Report Surplus Deficit	4666	3244	1677	3103	2120	1917	2643	4357	2618	5529	5609	5611	5412	4969
25	1953 Federal Report Surplus Deficit	3748	2789	690	545	1127	726	1094	4913	1859	766	1485	5368	5836	5438
26	1954 Federal Report Surplus Deficit	4030	3716	1702	949	1740	1638	2451	4677	3429	3423	3602	5346	5588	5541
27	1955 Federal Report Surplus Deficit	4991	5566	3919	1142	2153	1546	1229	1855	75.1	1080	938	4802	5854	5595
28	1956 Federal Report Surplus Deficit	4807	4406	1591	1345	2324	2427	3152	4996	4993	5052	5141	5417	5843	5329
29	1957 Federal Report Surplus Deficit	4670	4696	1781	1312	1458	1723	1753	1854	3169	5086	3953	5737	5713	4286
30	1958 Federal Report Surplus Deficit	3992	2565	1073	472	1254	1284	2241	3586	2405	2486	4460	5769	5669	3938
31	1959 Federal Report Surplus Deficit	3695	2644	1194	958	2116	2224	3082	4701	3108	4599	3972	4994	5617	5427
32	1960 Federal Report Surplus Deficit	4886	5216	4282	3757	2593	2058	2295	3418	2746	5704	4868	5061	5443	4701
33	1961 Federal Report Surplus Deficit	4426	2623	1326	888	1682	1408	2069	3946	4025	4407	3218	5425	5718	4149
34	1962 Federal Report Surplus Deficit	3635	2929	1042	348	1292	1398	2155	3607	1004	2724	5420	5548	5162	4106
35	1963 Federal Report Surplus Deficit	4085	3443	1194	1695	2165	2110	2310	3693	1149	1748	1163	5008	5534	4600
36	1964 Federal Report Surplus Deficit	3716	2932	1939	353	1329	1387	1589	2376	533	2653	2192	5444	5853	5530
37	1965 Federal Report Surplus Deficit	4791	4927	2800	2067	2022	2484	3486	4929	4810	2578	5324	5095	5499	4996
38	1966 Federal Report Surplus Deficit	4780	4783	1241	1184	1534	1447	2007	3116	1151	3284	3198	4722	5044	4612
39	1967 Federal Report Surplus Deficit	3973	2624	1272	323	1060	1727	2789	4524	3512	3264	1457	4946	5757	5327
40	1968 Federal Report Surplus Deficit	4475	4301	1907	961	1855	1438	2254	4092	3763	1001	869	4627	5380	4867
41	1969 Federal Report Surplus Deficit	4603	4724	3246	2154	2360	1909	3108	4654	3861	5187	5384	5552	5525	4988
42	1970 Federal Report Surplus Deficit	3532	2467	1379	1132	1593	1155	2171	3830	1708	1312	1063	5248	5783	4096
43	1971 Federal Report Surplus Deficit	2871	2551	862	483	1284	1461	3238	4656	4899	5241	4893	5313	5836	5465
44	1972 Federal Report Surplus Deficit	4878	5365	2129	1368	1651	1692	3043	4719	5091	5202	4423	5054	5771	5470
45	1973 Federal Report Surplus Deficit	4924	5518	2327	1251	1734	1501	1998	3149	939	754	-568	2185	3921	2446
46	1974 Federal Report Surplus Deficit	2744	1904	865	434	976	1983	3594	4718	4935	4997	5054	4864	5854	5671
47	1975 Federal Report Surplus Deficit	4921	5514	2241	218	1124	1222	2090	3381	3522	1765	2112	5281	5773	5565
48	1976 Federal Report Surplus Deficit	4443	4464	2489	2352	2447	2781	3078	4768	4239	5243	4818	5390	5519	5460
49	1977 Federal Report Surplus Deficit	5015	5667	4600	1417	1249	752	1028	1028	54.1	746	-514	2173	3493	1640
50	1978 Federal Report Surplus Deficit	2553	2058	315	-2.50	1067	1479	1924	2811	2266	5331	3503	5036	4753	4976
51	1979 Federal Report Surplus Deficit	4084	3443	3125	1503	1640	948	1511	1423	2425	1521	2739	5588	4222	1860
52	1980 Federal Report Surplus Deficit	1791	1972	1214	606	1141	702	1588	854	596	3018	4293	5853	5540	4211
53	1981 Federal Report Surplus Deficit	2185	2190	1387	498	1662	2083	2700	4453	1385	810	1313	5475	5714	5325
54	1982 Federal Report Surplus Deficit	4934	5172	1913	769	1886	1484	2507	4871	5263	5243	3832	5185	5748	5650

Federal Report Surplus Deficit By Water Year

Operating Year 2025

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	4924	5478	3300	2201	1932	1753	2716	4799	4918	4296	3417	5457	5484	5454
56	1984 Federal Report Surplus Deficit	4776	5158	2441	1087	2561	1911	2605	4267	4332	3744	5247	5612	5839	5398
57	1985 Federal Report Surplus Deficit	4574	3561	2401	1100	1883	1501	1700	2436	1283	3532	4373	5313	4131	2476
58	1986 Federal Report Surplus Deficit	1488	1828	1174	1513	2181	1581	2276	4739	5245	5383	5031	5146	5398	3705
59	1987 Federal Report Surplus Deficit	3146	2329	989	209	1771	1540	1414	1093	1831	1598	2210	5476	4196	1623
60	1988 Federal Report Surplus Deficit	1726	1843	794	404	1004	649	228	558	369	913	1554	2516	4194	3722
61	1989 Federal Report Surplus Deficit	2676	2338	1139	434	1265	1273	800	-217	2233	2963	5355	5247	4309	3033
62	1990 Federal Report Surplus Deficit	1850	2240	1101	639	1689	1660	2009	4134	3001	3205	4981	5273	5404	4678
63	1991 Federal Report Surplus Deficit	4379	4196	1130	341	2472	1969	2774	4213	3059	3756	3453	5274	5352	5375
64	1992 Federal Report Surplus Deficit	4913	4589	1261	352	1294	657	1119	1197	1019	756	1046	5030	3830	1518
65	1993 Federal Report Surplus Deficit	2048	1984	645	452	1344	945	556	-404	1355	1570	326	5687	5039	3989
66	1994 Federal Report Surplus Deficit	2525	2821	1161	676	1522	937	555	1136	333	885	2444	4324	4029	3399
67	1995 Federal Report Surplus Deficit	2384	2001	940	503	828	962	1476	2986	3262	2153	510	5312	5509	4808
68	1996 Federal Report Surplus Deficit	3557	2885	1914	2181	2619	3056	3503	4840	5144	5330	5494	5269	5619	5342
69	1997 Federal Report Surplus Deficit	4825	4797	1841	815	1800	1956	3522	4776	5108	4995	5160	5284	5739	5391
70	1998 Federal Report Surplus Deficit	4734	5408	3191	3623	2339	1522	1777	4030	2094	1478	1326	5798	5738	4941
71	1999 Federal Report Surplus Deficit	4604	4288	1125	560	847	1854	2998	4629	5095	3672	4738	5336	5827	5505
72	2000 Federal Report Surplus Deficit	5103	5699	1957	843	2584	2136	2149	3514	3137	5004	5319	5468	3949	4562
73	2001 Federal Report Surplus Deficit	4145	2195	1012	605	1150	752	915	631	390	721	-433	2149	3485	2177
74	2002 Federal Report Surplus Deficit	2778	2057	444	-29.1	1079	1213	680	1118	1003	2627	4817	5008	5589	5253
75	2003 Federal Report Surplus Deficit	3072	2951	1204	792	1473	872	816	1738	2934	2397	2663	3809	5521	3253
76	2004 Federal Report Surplus Deficit	1488	1909	525	480	1746	1473	1088	650	1137	2196	2347	4376	4741	3279
77	2005 Federal Report Surplus Deficit	1419	2568	2211	1387	1632	1628	1710	3360	1188	681	823	4431	4591	3851
78	2006 Federal Report Surplus Deficit	2679	2333	836	634	1756	1473	2459	4370	2883	5592	5307	5744	5648	4364
79	2007 Federal Report Surplus Deficit	2475	2049	412	365	1722	1501	2150	2646	4198	3937	2829	5531	5094	4520
80	2008 Federal Report Surplus Deficit	1876	1848	247	689	1687	1105	1205	1609	1380	1793	1049	5600	5841	5205

Ranked Averages

81	**Bottom 10 pct**	**1571**	**2002**	**1060**	**739**	**1441**	**1246**	**1498**	**2127**	**2134**	**2742**	**2644**	**4360**	**4778**	**3620**
82	**Middle 80 pct**	**3596**	**3233**	**1473**	**965**	**1573**	**1519**	**1964**	**3031**	**2615**	**3145**	**3317**	**4974**	**5220**	**4368**
83	**Top 10 pct**	**4966**	**5400**	**2690**	**1024**	**1745**	**1381**	**1854**	**2974**	**2366**	**2456**	**1948**	**4448**	**4756**	**4054**

Federal Report Surplus Deficit By Water Year

Operating Year 2026

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	3188	3487	1154	507	1120	774	797	960	589	1039	70.8	3237	6049	1883
2	1930 Federal Report Surplus Deficit	2231	2251	1115	657	1292	859	170	1066	535	1573	835	3277	4636	3482
3	1931 Federal Report Surplus Deficit	2586	2382	909	685	1198	899	226	874	604	1337	-102	3561	4565	3396
4	1932 Federal Report Surplus Deficit	3067	2306	987	217	684	832	807	-571	2668	4206	5570	6753	6590	4973
5	1933 Federal Report Surplus Deficit	3502	3452	1699	574	836	1747	2437	3847	2886	3198	2744	6005	6926	5703
6	1934 Federal Report Surplus Deficit	4868	4852	1854	1606	2527	3048	3544	4900	4863	5292	5485	6359	6076	2442
7	1935 Federal Report Surplus Deficit	1859	2348	556	493	209	1209	2382	3613	2913	1874	3314	6094	5377	5009
8	1936 Federal Report Surplus Deficit	4754	2652	950	397	1087	771	358	477	838	1487	4761	6947	6427	4200
9	1937 Federal Report Surplus Deficit	2030	2180	600	674	1391	888	98.0	347	353	1169	88.7	3285	5626	2951
10	1938 Federal Report Surplus Deficit	2445	2087	1193	503	923	1420	2057	3338	3680	4700	5702	6335	6114	5181
11	1939 Federal Report Surplus Deficit	2147	2154	1413	536	836	814	1607	2124	1600	2292	4024	5965	5141	3711
12	1940 Federal Report Surplus Deficit	1726	2082	742	732	1375	1431	1601	1634	3289	3548	2980	6193	5117	1868
13	1941 Federal Report Surplus Deficit	1492	1781	861	381	1329	1322	1243	1104	1360	1291	-62.9	3263	4952	3156
14	1942 Federal Report Surplus Deficit	2737	2342	1358	252	1614	2027	2099	2893	649	1284	2306	4718	6482	5322
15	1943 Federal Report Surplus Deficit	3877	3610	1983	696	496	1197	2629	3886	3787	5766	5924	6417	6897	5721
16	1944 Federal Report Surplus Deficit	4029	3262	1184	370	1111	800	1095	1009	271	975	-362	3213	4549	1980
17	1945 Federal Report Surplus Deficit	2495	1925	796	294	1094	836	602	624	497	1129	-156	5780	6522	2388
18	1946 Federal Report Surplus Deficit	2444	2300	968	348	1215	1462	2015	2947	2970	5514	5825	6388	6172	5419
19	1947 Federal Report Surplus Deficit	4501	3928	1634	248	1691	2485	3053	4508	4083	4430	3871	6677	6361	5197
20	1948 Federal Report Surplus Deficit	3426	2966	1503	3467	2303	1959	2959	4321	2895	3671	5204	6539	6858	5471
21	1949 Federal Report Surplus Deficit	4886	4937	2168	1038	1454	1394	1809	2814	4239	4486	5438	6932	6096	2559
22	1950 Federal Report Surplus Deficit	1377	1760	709	355	960	1438	2888	4683	4611	5608	4834	6237	6923	5867
23	1951 Federal Report Surplus Deficit	4886	4783	2037	1984	2413	2566	3521	5000	5130	5460	5230	6331	6321	5616
24	1952 Federal Report Surplus Deficit	4656	3131	1606	3085	2068	2001	2855	4546	2884	5750	5838	6674	6491	5203
25	1953 Federal Report Surplus Deficit	3693	2684	593	527	1075	810	1306	5103	2092	979	1673	6424	6902	5680
26	1954 Federal Report Surplus Deficit	3985	3590	1632	931	1687	1722	2662	4867	3704	3694	3818	6408	6664	5790
27	1955 Federal Report Surplus Deficit	4939	5421	3800	1124	2101	1631	1441	2045	280	1307	1153	5858	6920	5834
28	1956 Federal Report Surplus Deficit	4816	4268	1520	1327	2272	2512	3364	5200	5234	5280	5370	6480	6909	5550
29	1957 Federal Report Surplus Deficit	4672	4550	1710	1294	1406	1807	1965	2043	3435	5334	4168	6800	6779	4538
30	1958 Federal Report Surplus Deficit	3941	2465	995	455	1202	1369	2453	3776	2635	2718	4676	6832	6770	4215
31	1959 Federal Report Surplus Deficit	3634	2541	1119	940	2064	2309	3294	4904	3378	4859	4187	6056	6663	5651
32	1960 Federal Report Surplus Deficit	4894	5064	4171	3739	2541	2142	2506	3607	2994	5918	5113	6117	6540	4986
33	1961 Federal Report Surplus Deficit	4401	2522	1253	870	1630	1493	2281	4136	4260	4668	3434	6487	6801	4399
34	1962 Federal Report Surplus Deficit	3575	2822	964	330	1240	1482	2367	3797	1224	2995	5651	6604	6228	4355
35	1963 Federal Report Surplus Deficit	4043	3325	1118	1677	2113	2194	2522	3882	1365	1987	1378	6063	6648	4853
36	1964 Federal Report Surplus Deficit	3659	2824	1867	335	1277	1472	1801	2565	744	2883	2410	6507	6919	5761
37	1965 Federal Report Surplus Deficit	4800	4777	2710	2049	1970	2568	3698	5132	5045	2876	5553	6158	6563	5236
38	1966 Federal Report Surplus Deficit	4788	4637	1169	1166	1482	1531	2219	3305	1375	3560	3414	5778	6188	4877
39	1967 Federal Report Surplus Deficit	3921	2523	1199	306	1008	1812	3001	4713	3791	3516	1599	6007	6823	5579
40	1968 Federal Report Surplus Deficit	4455	4165	1835	943	1802	1522	2466	4281	4027	1205	1084	5683	6437	5104
41	1969 Federal Report Surplus Deficit	4594	4578	3140	2136	2308	1993	3320	4858	4102	5414	5612	6614	6576	5249
42	1970 Federal Report Surplus Deficit	3468	2368	1305	1114	1541	1239	2382	4019	1928	1531	1279	6303	6849	4325
43	1971 Federal Report Surplus Deficit	2807	2450	778	465	1231	1545	3450	4860	5181	5455	5149	6376	6902	5707
44	1972 Federal Report Surplus Deficit	4885	5210	2057	1350	1598	1776	3255	4923	5310	5429	4713	6116	6836	5705
45	1973 Federal Report Surplus Deficit	4928	5363	2250	1233	1682	1586	2209	3338	1161	967	-352	3241	5021	2693
46	1974 Federal Report Surplus Deficit	2682	1812	786	416	924	2068	3806	4922	5154	5224	5282	5927	6920	5893
47	1975 Federal Report Surplus Deficit	4916	5359	2166	200	1071	1306	2302	3570	3780	2010	2328	6344	6839	5802
48	1976 Federal Report Surplus Deficit	4424	4323	2409	2334	2394	2865	3290	4972	4473	5471	5034	6452	6594	5695
49	1977 Federal Report Surplus Deficit	4958	5526	4527	1399	1197	836	1240	1217	259	960	-299	3200	4558	1864
50	1978 Federal Report Surplus Deficit	2493	1964	209	-20.4	1014	1564	2136	3001	2485	5545	3718	6099	5818	5230
51	1979 Federal Report Surplus Deficit	4035	3324	3024	1485	1588	1032	1723	1613	2641	1762	2944	6643	5288	2100
52	1980 Federal Report Surplus Deficit	1763	1881	1139	588	1089	786	1800	1044	801	3238	4509	6913	6625	4446
53	1981 Federal Report Surplus Deficit	2139	2096	1316	481	1610	2168	2912	4643	1617	1023	1518	6530	6780	5570
54	1982 Federal Report Surplus Deficit	4942	5020	1842	751	1833	1569	2719	5074	5482	5463	4048	6247	6813	5878

Federal Report Surplus Deficit By Water Year

Operating Year 2026

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	4933	5323	3198	2183	1880	1837	2928	4989	5163	4550	3632	6519	6557	5694
56	1984 Federal Report Surplus Deficit	4784	5005	2363	1069	2508	1995	2817	4456	4623	4052	5462	6668	6905	5633
57	1985 Federal Report Surplus Deficit	4567	3440	2323	1082	1831	1585	1912	2625	1506	3788	4588	6369	5196	2712
58	1986 Federal Report Surplus Deficit	1473	1736	1099	1495	2129	1665	2488	4928	5467	5596	5247	6202	6442	3944
59	1987 Federal Report Surplus Deficit	3079	2233	908	191	1718	1624	1625	1282	2081	1831	2449	6566	5303	1847
60	1988 Federal Report Surplus Deficit	1700	1753	712	386	952	734	440	748	575	1126	1763	3556	5265	3949
61	1989 Federal Report Surplus Deficit	2615	2241	1062	416	1212	1357	1012	-27.3	2458	3238	5589	6303	5374	3269
62	1990 Federal Report Surplus Deficit	1815	2145	1023	621	1637	1744	2221	4323	3244	3503	5249	6334	6516	4982
63	1991 Federal Report Surplus Deficit	4348	4063	1053	323	2420	2054	2986	4402	3340	4053	3669	6336	6465	5627
64	1992 Federal Report Surplus Deficit	4922	4447	1187	334	1242	741	1330	1386	1236	970	1262	6086	4896	1741
65	1993 Federal Report Surplus Deficit	2006	1891	558	434	1291	1029	768	-214	1571	1796	541	6743	6105	4249
66	1994 Federal Report Surplus Deficit	2465	2716	1082	658	1470	1021	767	1326	546	1096	2657	5379	5100	3639
67	1995 Federal Report Surplus Deficit	2333	1908	862	485	776	1047	1687	3175	3522	2376	726	6368	6637	5062
68	1996 Federal Report Surplus Deficit	3493	2779	1842	2163	2567	3141	3715	5044	5363	5557	5723	6332	6737	5574
69	1997 Federal Report Surplus Deficit	4831	4651	1770	797	1747	2040	3733	4966	5327	5220	5388	6347	6804	5643
70	1998 Federal Report Surplus Deficit	4741	5252	3092	3605	2287	1607	1989	4220	2332	1712	1542	6851	6804	5198
71	1999 Federal Report Surplus Deficit	4590	4154	1046	542	794	1938	3210	4832	5361	3940	4953	6398	6892	5741
72	2000 Federal Report Surplus Deficit	5054	5549	1885	825	2532	2220	2361	3704	3389	5218	5554	6534	5020	4820
73	2001 Federal Report Surplus Deficit	4104	2100	933	587	1098	836	1127	820	591	934	-218	3205	4551	2411
74	2002 Federal Report Surplus Deficit	2716	1965	335	-47.0	1027	1298	892	1307	1223	2935	5032	6063	6711	5510
75	2003 Federal Report Surplus Deficit	3006	2843	1129	774	1421	957	1028	1927	3191	2632	2879	4865	6601	3501
76	2004 Federal Report Surplus Deficit	1472	1819	422	463	1694	1557	1300	839	1356	2416	2570	5431	5806	3516
77	2005 Federal Report Surplus Deficit	1407	2465	2133	1369	1580	1713	1922	3550	1402	895	1038	5487	5657	4077
78	2006 Federal Report Surplus Deficit	2619	2237	746	616	1704	1558	2671	4560	3111	5805	5577	6806	6717	4621
79	2007 Federal Report Surplus Deficit	2420	1957	296	347	1669	1585	2362	2835	4472	4176	3044	6617	6218	4776
80	2008 Federal Report Surplus Deficit	1845	1756	121	671	1635	1190	1417	1798	1590	2023	1264	6656	6907	5456

Ranked Averages

81	**Bottom 10 pct**	**1551**	**1910**	**977**	**721**	**1389**	**1331**	**1710**	**2316**	**2358**	**2965**	**2860**	**5410**	**5848**	**3853**
82	**Middle 80 pct**	**3559**	**3118**	**1392**	**947**	**1521**	**1603**	**2176**	**3223**	**2853**	**3385**	**3539**	**6034**	**6300**	**4614**
83	**Top 10 pct**	**4949**	**5251**	**2607**	**1006**	**1692**	**1466**	**2066**	**3166**	**2594**	**2680**	**2166**	**5504**	**5828**	**4291**

Federal Report Surplus Deficit By Water Year

Operating Year 2027

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	3370	3671	1371	665	1332	906	675	906	591	981	118	2302	5114	1820
2	1930 Federal Report Surplus Deficit	2412	2435	1332	816	1505	991	47.5	1012	536	1505	882	2352	3675	3409
3	1931 Federal Report Surplus Deficit	2767	2565	1126	844	1411	1030	103	820	612	1277	-54.2	2663	3639	3325
4	1932 Federal Report Surplus Deficit	3248	2490	1205	376	897	964	685	-625	2633	4062	5587	5817	5640	4874
5	1933 Federal Report Surplus Deficit	3684	3636	1916	733	1049	1879	2314	3793	2871	3087	2812	5070	5991	5639
6	1934 Federal Report Surplus Deficit	5049	5036	2072	1765	2740	3179	3421	4844	4815	5234	5477	5423	5107	2358
7	1935 Federal Report Surplus Deficit	2041	2532	774	651	422	1341	2259	3559	2871	1809	3362	5159	4442	4914
8	1936 Federal Report Surplus Deficit	4936	2836	1167	556	1300	903	236	422	836	1371	4808	6013	5451	4116
9	1937 Federal Report Surplus Deficit	2212	2364	817	833	1604	1019	-24.3	293	358	1111	136	2350	4691	2844
10	1938 Federal Report Surplus Deficit	2627	2271	1410	661	1135	1552	1935	3284	3609	4641	5750	5399	5179	5068
11	1939 Federal Report Surplus Deficit	2328	2338	1631	695	1048	945	1485	2070	1591	2199	4073	5031	4174	3618
12	1940 Federal Report Surplus Deficit	1907	2266	959	891	1587	1563	1478	1580	3254	3442	3028	5258	4156	1804
13	1941 Federal Report Surplus Deficit	1674	1965	1078	540	1542	1454	1121	1050	1353	1220	-15.5	2369	4010	3088
14	1942 Federal Report Surplus Deficit	2918	2526	1575	411	1827	2159	1977	2839	657	1241	2353	3783	5519	5227
15	1943 Federal Report Surplus Deficit	4058	3794	2200	855	708	1328	2506	3832	3694	5706	5959	5482	5963	5628
16	1944 Federal Report Surplus Deficit	4211	3446	1401	528	1324	931	973	954	277	917	-314	2278	3614	1916
17	1945 Federal Report Surplus Deficit	2676	2109	1014	452	1306	968	479	569	508	1071	-109	4845	5540	2313
18	1946 Federal Report Surplus Deficit	2626	2483	1185	507	1427	1594	1892	2893	2916	5456	5872	5452	5211	5343
19	1947 Federal Report Surplus Deficit	4683	4112	1851	407	1904	2616	2930	4453	4034	4357	3918	5741	5384	5103
20	1948 Federal Report Surplus Deficit	3607	3150	1720	3625	2515	2091	2837	4267	2857	3524	5252	5603	5923	5361
21	1949 Federal Report Surplus Deficit	5067	5121	2385	1196	1667	1526	1687	2759	4188	4397	5485	5996	5142	2471
22	1950 Federal Report Surplus Deficit	1558	1944	927	514	1173	1570	2765	4628	4562	5550	4881	5302	5988	5779
23	1951 Federal Report Surplus Deficit	5067	4966	2255	2143	2626	2697	3398	4944	5110	5401	5224	5395	5351	5521
24	1952 Federal Report Surplus Deficit	4838	3315	1824	3244	2281	2133	2732	4492	2829	5692	5884	5738	5543	5129
25	1953 Federal Report Surplus Deficit	3874	2868	810	685	1287	942	1184	5048	2070	921	1748	5489	5967	5597
26	1954 Federal Report Surplus Deficit	4167	3774	1849	1090	1900	1854	2540	4812	3640	3578	3865	5472	5719	5701
27	1955 Federal Report Surplus Deficit	5120	5604	4017	1283	2314	1762	1319	1991	286	1235	1201	4923	5985	5755
28	1956 Federal Report Surplus Deficit	4998	4452	1737	1486	2484	2644	3242	5144	5204	5221	5417	5544	5974	5489
29	1957 Federal Report Surplus Deficit	4854	4734	1928	1453	1619	1939	1843	1989	3379	5242	4216	5864	5844	4445
30	1958 Federal Report Surplus Deficit	4122	2648	1212	613	1414	1500	2331	3721	2616	2642	4723	5896	5800	4098
31	1959 Federal Report Surplus Deficit	3816	2725	1336	1099	2276	2440	3172	4849	3319	4754	4234	5121	5748	5587
32	1960 Federal Report Surplus Deficit	5076	5248	4389	3897	2753	2274	2384	3553	2957	5859	5130	5182	5574	4861
33	1961 Federal Report Surplus Deficit	4582	2706	1470	1029	1843	1624	2158	4082	4236	4562	3481	5551	5849	4309
34	1962 Federal Report Surplus Deficit	3757	3006	1181	489	1452	1614	2245	3742	1215	2879	5682	5669	5293	4266
35	1963 Federal Report Surplus Deficit	4225	3509	1335	1836	2326	2326	2399	3828	1360	1903	1426	5128	5665	4760
36	1964 Federal Report Surplus Deficit	3840	3008	2085	494	1489	1603	1679	2511	744	2808	2455	5571	5984	5690
37	1965 Federal Report Surplus Deficit	4982	4961	2928	2208	2182	2700	3576	5077	5021	2733	5600	5221	5630	5155
38	1966 Federal Report Surplus Deficit	4969	4821	1386	1325	1694	1663	2097	3251	1362	3439	3461	4843	5175	4772
39	1967 Federal Report Surplus Deficit	4103	2706	1416	464	1220	1943	2879	4659	3723	3419	1719	5073	5888	5487
40	1968 Federal Report Surplus Deficit	4636	4349	2053	1102	2015	1654	2344	4227	3974	1156	1132	4748	5511	5027
41	1969 Federal Report Surplus Deficit	4775	4761	3357	2294	2520	2125	3198	4803	4072	5355	5659	5678	5656	5148
42	1970 Federal Report Surplus Deficit	3650	2552	1522	1273	1753	1371	2260	3965	1919	1467	1326	5368	5914	4256
43	1971 Federal Report Surplus Deficit	2988	2634	995	624	1444	1677	3328	4805	5110	5397	5156	5440	5967	5625
44	1972 Federal Report Surplus Deficit	5067	5393	2274	1508	1811	1908	3133	4868	5315	5370	4686	5181	5902	5630
45	1973 Federal Report Surplus Deficit	5109	5547	2467	1392	1894	1717	2087	3284	1150	909	-305	2306	4052	2606
46	1974 Federal Report Surplus Deficit	2863	1996	1003	575	1136	2199	3683	4867	5159	5165	5330	4991	5985	5831
47	1975 Federal Report Surplus Deficit	5097	5543	2383	359	1284	1438	2179	3516	3733	1921	2375	5408	5904	5725
48	1976 Federal Report Surplus Deficit	4606	4507	2626	2493	2607	2997	3167	4917	4450	5411	5081	5516	5650	5620
49	1977 Federal Report Surplus Deficit	5139	5710	4744	1558	1410	968	1118	1163	265	902	-251	2294	3623	1800
50	1978 Federal Report Surplus Deficit	2674	2148	426	138	1227	1695	2014	2947	2477	5487	3765	5162	4884	5136
51	1979 Federal Report Surplus Deficit	4217	3508	3241	1643	1800	1164	1601	1559	2636	1676	3001	5709	4353	2020
52	1980 Federal Report Surplus Deficit	1944	2065	1356	747	1302	918	1678	989	806	3173	4556	5974	5671	4371
53	1981 Federal Report Surplus Deficit	2321	2280	1534	639	1823	2299	2790	4588	1596	965	1575	5596	5845	5485
54	1982 Federal Report Surplus Deficit	5124	5204	2059	910	2046	1700	2597	5019	5487	5398	4095	5312	5878	5809

Federal Report Surplus Deficit By Water Year

Operating Year 2027

2019 White Book Report Date: **2/6/2020** *Continued*

S184-WB-20191230-103442

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	5115	5507	3415	2342	2093	1969	2806	4935	5129	4452	3680	5583	5615	5614
56	1984 Federal Report Surplus Deficit	4966	5189	2581	1228	2721	2127	2694	4402	4543	3899	5509	5733	5970	5558
57	1985 Federal Report Surplus Deficit	4749	3624	2541	1240	2043	1717	1790	2571	1494	3687	4635	5434	4262	2636
58	1986 Federal Report Surplus Deficit	1654	1920	1316	1654	2342	1797	2366	4874	5456	5538	5294	5267	5528	3865
59	1987 Federal Report Surplus Deficit	3261	2417	1125	350	1931	1756	1503	1228	2042	1753	2473	5597	4327	1783
60	1988 Federal Report Surplus Deficit	1882	1937	929	545	1164	865	317	693	579	1068	1817	2637	4325	3881
61	1989 Federal Report Surplus Deficit	2796	2425	1280	574	1425	1489	889	-81.5	2444	3118	5618	5368	4440	3193
62	1990 Federal Report Surplus Deficit	1997	2329	1240	779	1849	1876	2098	4269	3212	3360	5243	5399	5535	4837
63	1991 Federal Report Surplus Deficit	4529	4247	1270	482	2632	2185	2863	4348	3270	3911	3716	5401	5483	5535
64	1992 Federal Report Surplus Deficit	5104	4631	1404	493	1454	873	1208	1332	1230	911	1309	5151	3961	1678
65	1993 Federal Report Surplus Deficit	2188	2075	776	593	1504	1161	646	-269	1566	1725	588	5808	5170	4149
66	1994 Federal Report Surplus Deficit	2647	2900	1300	817	1682	1153	645	1271	544	1040	2707	4445	4159	3559
67	1995 Federal Report Surplus Deficit	2515	2092	1080	644	988	1178	1565	3121	3473	2308	773	5433	5640	4968
68	1996 Federal Report Surplus Deficit	3674	2963	2060	2322	2779	3272	3592	4989	5367	5498	5769	5396	5750	5501
69	1997 Federal Report Surplus Deficit	5013	4835	1987	955	1960	2172	3611	4911	5332	5163	5436	5411	5869	5551
70	1998 Federal Report Surplus Deficit	4922	5436	3309	3764	2499	1738	1867	4165	2305	1633	1589	5919	5869	5101
71	1999 Federal Report Surplus Deficit	4772	4337	1263	701	1007	2070	3088	4777	5306	3827	5001	5463	5958	5665
72	2000 Federal Report Surplus Deficit	5236	5733	2103	984	2745	2352	2238	3650	3348	5160	5581	5589	4080	4721
73	2001 Federal Report Surplus Deficit	4286	2284	1150	745	1310	968	1004	766	601	876	-171	2270	3616	2337
74	2002 Federal Report Surplus Deficit	2897	2148	553	112	1239	1429	770	1253	1214	2782	5080	5128	5720	5413
75	2003 Federal Report Surplus Deficit	3187	3027	1346	933	1634	1088	905	1873	3145	2552	2926	3930	5652	3413
76	2004 Federal Report Surplus Deficit	1654	2002	640	621	1907	1689	1177	785	1348	2352	2610	4496	4872	3438
77	2005 Federal Report Surplus Deficit	1588	2649	2351	1528	1792	1845	1800	3496	1399	836	1086	4552	4722	4011
78	2006 Federal Report Surplus Deficit	2801	2421	964	775	1917	1689	2548	4505	3094	5747	5570	5871	5779	4524
79	2007 Federal Report Surplus Deficit	2601	2141	514	505	1882	1717	2239	2781	4409	4092	3092	5652	5225	4680
80	2008 Federal Report Surplus Deficit	2026	1940	338	830	1848	1321	1294	1744	1591	1949	1311	5721	5972	5365

Ranked Averages

81	**Bottom 10 pct**	**1733**	**2093**	**1194**	**880**	**1601**	**1462**	**1588**	**2262**	**2345**	**2897**	**2907**	**4482**	**4909**	**3780**
82	**Middle 80 pct**	**3741**	**3302**	**1609**	**1106**	**1734**	**1735**	**2053**	**3169**	**2827**	**3303**	**3581**	**5098**	**5351**	**4527**
83	**Top 10 pct**	**5130**	**5435**	**2824**	**1165**	**1905**	**1597**	**1944**	**3111**	**2578**	**2611**	**2211**	**4571**	**4887**	**4214**

Federal Report Surplus Deficit By Water Year

Operating Year 2028

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	3320	3620	1326	633	1445	905	679	1017	599	1094	31.1	3240	6027	1738
2	1930 Federal Report Surplus Deficit	2362	2384	1287	784	1618	990	51.9	1123	544	1627	795	3281	4614	3336
3	1931 Federal Report Surplus Deficit	2717	2514	1081	812	1524	1030	108	932	613	1392	-141	3565	4543	3250
4	1932 Federal Report Surplus Deficit	3199	2439	1159	344	1010	963	689	-514	2677	4261	5531	6754	6568	4828
5	1933 Federal Report Surplus Deficit	3634	3585	1871	701	1162	1878	2319	3905	2895	3252	2705	6007	6904	5558
6	1934 Federal Report Surplus Deficit	5000	4985	2026	1733	2853	3179	3426	4955	4872	5345	5446	6360	6054	2296
7	1935 Federal Report Surplus Deficit	1991	2481	728	620	535	1340	2264	3670	2923	1929	3274	6097	5355	4864
8	1936 Federal Report Surplus Deficit	4886	2785	1122	524	1413	902	240	534	847	1541	4721	6951	6405	4054
9	1937 Federal Report Surplus Deficit	2162	2313	772	801	1717	1018	-19.9	404	362	1224	49.1	3289	5604	2805
10	1938 Federal Report Surplus Deficit	2577	2220	1365	629	1248	1551	1939	3395	3689	4754	5661	6337	6092	5035
11	1939 Federal Report Surplus Deficit	2279	2287	1585	663	1161	945	1489	2181	1609	2347	3985	5968	5119	3566
12	1940 Federal Report Surplus Deficit	1857	2215	914	859	1700	1562	1483	1692	3299	3602	2941	6196	5095	1722
13	1941 Federal Report Surplus Deficit	1624	1914	1033	508	1655	1453	1125	1162	1369	1346	-103	3267	4930	3010
14	1942 Federal Report Surplus Deficit	2868	2475	1530	379	1940	2158	1981	2950	659	1339	2266	4721	6461	5176
15	1943 Federal Report Surplus Deficit	4008	3743	2155	823	821	1328	2511	3944	3797	5819	5884	6420	6876	5575
16	1944 Federal Report Surplus Deficit	4161	3395	1356	496	1437	931	977	1066	280	1030	-401	3216	4527	1834
17	1945 Federal Report Surplus Deficit	2626	2058	968	420	1419	967	484	681	507	1184	-196	5784	6500	2243
18	1946 Federal Report Surplus Deficit	2576	2433	1140	475	1540	1593	1897	3004	2980	5569	5783	6390	6150	5274
19	1947 Federal Report Surplus Deficit	4633	4061	1806	375	2017	2616	2935	4565	4092	4484	3831	6678	6339	5051
20	1948 Federal Report Surplus Deficit	3558	3099	1675	3594	2628	2090	2841	4379	2905	3726	5165	6541	6836	5325
21	1949 Federal Report Surplus Deficit	5017	5070	2340	1164	1780	1525	1691	2871	4249	4540	5398	6934	6074	2413
22	1950 Federal Report Surplus Deficit	1508	1893	881	482	1286	1569	2770	4740	4621	5663	4794	6239	6901	5721
23	1951 Federal Report Surplus Deficit	5018	4915	2209	2111	2739	2697	3403	5055	5139	5513	5190	6333	6299	5471
24	1952 Federal Report Surplus Deficit	4788	3264	1778	3212	2394	2132	2737	4604	2893	5805	5796	6675	6469	5058
25	1953 Federal Report Surplus Deficit	3824	2817	765	653	1400	941	1188	5160	2101	1034	1633	6427	6880	5534
26	1954 Federal Report Surplus Deficit	4117	3723	1804	1058	2013	1853	2545	4924	3713	3748	3778	6410	6642	5645
27	1955 Federal Report Surplus Deficit	5071	5553	3972	1251	2427	1762	1323	2102	290	1362	1114	5862	6898	5688
28	1956 Federal Report Surplus Deficit	4948	4401	1692	1454	2597	2643	3246	5255	5243	5333	5329	6481	6887	5404
29	1957 Federal Report Surplus Deficit	4804	4683	1882	1421	1732	1938	1847	2100	3445	5389	4129	6801	6757	4393
30	1958 Federal Report Surplus Deficit	4072	2597	1167	581	1527	1499	2335	3833	2645	2773	4636	6834	6748	4069
31	1959 Federal Report Surplus Deficit	3766	2674	1291	1067	2389	2440	3176	4960	3387	4914	4147	6058	6641	5506
32	1960 Federal Report Surplus Deficit	5026	5197	4343	3865	2866	2273	2389	3664	3003	5972	5073	6121	6518	4841
33	1961 Federal Report Surplus Deficit	4533	2655	1425	997	1956	1623	2163	4193	4269	4723	3394	6489	6779	4253
34	1962 Federal Report Surplus Deficit	3707	2955	1136	457	1565	1613	2249	3854	1233	3050	5611	6607	6207	4209
35	1963 Federal Report Surplus Deficit	4175	3458	1290	1804	2439	2325	2404	3940	1374	2042	1339	6067	6626	4708
36	1964 Federal Report Surplus Deficit	3791	2957	2039	462	1602	1603	1683	2623	753	2938	2370	6508	6897	5615
37	1965 Federal Report Surplus Deficit	4932	4910	2882	2176	2295	2699	3580	5188	5054	2931	5512	6159	6542	5090
38	1966 Federal Report Surplus Deficit	4920	4770	1341	1293	1807	1662	2101	3362	1384	3615	3374	5781	6166	4731
39	1967 Federal Report Surplus Deficit	4053	2656	1371	432	1333	1943	2883	4771	3800	3571	1559	6009	6801	5433
40	1968 Federal Report Surplus Deficit	4586	4298	2007	1070	2128	1653	2348	4339	4036	1260	1045	5686	6415	4958
41	1969 Federal Report Surplus Deficit	4726	4711	3312	2262	2633	2124	3202	4914	4111	5467	5570	6616	6554	5103
42	1970 Federal Report Surplus Deficit	3600	2501	1477	1241	1866	1370	2265	4076	1938	1586	1239	6307	6827	4179
43	1971 Federal Report Surplus Deficit	2938	2583	950	592	1557	1676	3332	4916	5191	5510	5109	6377	6880	5561
44	1972 Federal Report Surplus Deficit	5017	5342	2229	1476	1924	1907	3137	4979	5318	5482	4674	6118	6814	5559
45	1973 Federal Report Surplus Deficit	5060	5496	2422	1360	2007	1717	2092	3396	1171	1022	-392	3244	4999	2547
46	1974 Federal Report Surplus Deficit	2814	1945	958	543	1249	2198	3688	4978	5161	5277	5241	5928	6898	5747
47	1975 Federal Report Surplus Deficit	5048	5492	2338	327	1397	1437	2184	3628	3790	2065	2288	6346	6817	5657
48	1976 Federal Report Surplus Deficit	4556	4456	2581	2461	2720	2996	3172	5028	4483	5524	4994	6454	6572	5550
49	1977 Federal Report Surplus Deficit	5090	5659	4699	1526	1522	967	1122	1275	269	1015	-338	3203	4536	1718
50	1978 Federal Report Surplus Deficit	2625	2097	381	106	1340	1695	2018	3058	2494	5600	3678	6100	5796	5085
51	1979 Federal Report Surplus Deficit	4167	3457	3196	1611	1913	1163	1605	1670	2650	1817	2905	6647	5266	1954
52	1980 Federal Report Surplus Deficit	1895	2014	1311	715	1415	917	1682	1101	810	3293	4469	6916	6603	4301
53	1981 Federal Report Surplus Deficit	2271	2229	1488	607	1936	2299	2794	4700	1626	1078	1478	6534	6758	5424
54	1982 Federal Report Surplus Deficit	5074	5153	2014	878	2159	1700	2601	5130	5490	5518	4008	6249	6791	5732

Federal Report Surplus Deficit By Water Year

Operating Year 2028

2019 White Book Report Date: **2/6/2020** *Continued*

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	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	5065	5456	3370	2310	2206	1968	2810	5046	5173	4605	3592	6521	6535	5548
56	1984 Federal Report Surplus Deficit	4916	5138	2535	1196	2834	2126	2699	4514	4632	4107	5422	6671	6883	5488
57	1985 Federal Report Surplus Deficit	4699	3573	2495	1208	2156	1716	1794	2682	1516	3842	4548	6372	5175	2566
58	1986 Federal Report Surplus Deficit	1605	1869	1271	1622	2455	1796	2370	4985	5476	5651	5207	6205	6420	3798
59	1987 Federal Report Surplus Deficit	3211	2366	1080	318	2044	1755	1508	1340	2091	1886	2409	6570	5281	1701
60	1988 Federal Report Surplus Deficit	1832	1886	884	513	1277	865	322	805	584	1181	1723	3559	5243	3803
61	1989 Federal Report Surplus Deficit	2747	2374	1234	543	1538	1488	894	30.1	2467	3293	5550	6306	5353	3123
62	1990 Federal Report Surplus Deficit	1947	2278	1195	748	1962	1875	2103	4381	3253	3558	5210	6336	6495	4836
63	1991 Federal Report Surplus Deficit	4479	4196	1225	450	2745	2184	2868	4460	3349	4108	3629	6338	6443	5481
64	1992 Federal Report Surplus Deficit	5054	4580	1359	461	1567	872	1213	1444	1245	1024	1222	6089	4874	1596
65	1993 Federal Report Surplus Deficit	2138	2024	731	561	1617	1160	650	-157	1581	1851	501	6747	6083	4104
66	1994 Federal Report Surplus Deficit	2597	2849	1254	785	1795	1152	649	1383	555	1151	2618	5383	5078	3493
67	1995 Federal Report Surplus Deficit	2465	2041	1034	612	1101	1178	1570	3232	3531	2431	686	6371	6615	4917
68	1996 Federal Report Surplus Deficit	3625	2912	2014	2290	2892	3272	3597	5100	5370	5610	5681	6334	6715	5428
69	1997 Federal Report Surplus Deficit	4963	4784	1942	923	2073	2171	3616	5023	5334	5273	5347	6348	6782	5498
70	1998 Federal Report Surplus Deficit	4873	5385	3264	3732	2612	1738	1871	4277	2342	1767	1502	6855	6782	5053
71	1999 Federal Report Surplus Deficit	4722	4287	1218	669	1120	2069	3092	4888	5368	3995	4914	6400	6870	5595
72	2000 Federal Report Surplus Deficit	5186	5682	2057	952	2858	2351	2243	3761	3399	5273	5515	6537	4998	4674
73	2001 Federal Report Surplus Deficit	4236	2233	1105	713	1423	967	1009	878	600	989	-258	3208	4529	2265
74	2002 Federal Report Surplus Deficit	2848	2098	507	79.7	1352	1428	774	1365	1232	2990	4993	6067	6689	5364
75	2003 Federal Report Surplus Deficit	3137	2976	1301	901	1747	1088	910	1985	3201	2687	2839	4868	6579	3355
76	2004 Federal Report Surplus Deficit	1604	1952	594	589	2020	1688	1182	897	1365	2471	2530	5435	5785	3370
77	2005 Federal Report Surplus Deficit	1539	2598	2305	1496	1905	1844	1804	3607	1412	950	999	5491	5635	3931
78	2006 Federal Report Surplus Deficit	2751	2370	918	743	2030	1689	2553	4617	3121	5860	5538	6808	6695	4476
79	2007 Federal Report Surplus Deficit	2552	2090	468	474	1995	1716	2244	2892	4482	4231	3004	6621	6196	4630
80	2008 Federal Report Surplus Deficit	1977	1889	293	798	1961	1321	1299	1855	1599	2078	1224	6659	6885	5310

Ranked Averages

81	**Bottom 10 pct**	**1683**	**2042**	**1149**	**848**	**1714**	**1462**	**1592**	**2374**	**2367**	**3020**	**2820**	**5413**	**5827**	**3707**
82	**Middle 80 pct**	**3691**	**3251**	**1564**	**1074**	**1847**	**1734**	**2058**	**3280**	**2862**	**3439**	**3499**	**6036**	**6278**	**4468**
83	**Top 10 pct**	**5081**	**5384**	**2779**	**1133**	**2018**	**1597**	**1948**	**3223**	**2603**	**2735**	**2126**	**5506**	**5806**	**4145**

Federal Report Surplus Deficit By Water Year

Operating Year 2029

2019 White Book Report Date: **2/6/2020**

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	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	3443	3792	1325	610	1402	780	730	842	713	1047	-74.5	2316	5074	1687
2	1930 Federal Report Surplus Deficit	2485	2556	1285	761	1574	865	103	947	659	1571	690	2366	3635	3277
3	1931 Federal Report Surplus Deficit	2840	2686	1079	789	1480	905	159	756	735	1343	-247	2678	3599	3193
4	1932 Federal Report Surplus Deficit	3321	2611	1158	321	966	838	740	-690	2756	4128	5394	5830	5600	4742
5	1933 Federal Report Surplus Deficit	3757	3757	1869	678	1118	1753	2370	3729	2994	3153	2619	5082	5951	5507
6	1934 Federal Report Surplus Deficit	5123	5157	2025	1710	2809	3054	3476	4778	4938	5298	5284	5436	5067	2226
7	1935 Federal Report Surplus Deficit	2114	2653	727	597	491	1215	2314	3494	2994	1875	3169	5173	4402	4782
8	1936 Federal Report Surplus Deficit	5009	2957	1121	501	1369	777	291	358	959	1437	4616	6027	5411	3984
9	1937 Federal Report Surplus Deficit	2285	2485	771	778	1673	893	30.8	229	481	1177	-56.6	2365	4651	2712
10	1938 Federal Report Surplus Deficit	2700	2392	1363	606	1205	1426	1990	3220	3731	4707	5555	5412	5139	4936
11	1939 Federal Report Surplus Deficit	2402	2459	1584	640	1117	820	1540	2006	1714	2265	3881	5045	4134	3486
12	1940 Federal Report Surplus Deficit	1980	2387	913	836	1657	1437	1533	1516	3377	3508	2835	5272	4116	1672
13	1941 Federal Report Surplus Deficit	1747	2086	1032	485	1611	1328	1176	986	1476	1286	-208	2383	3970	2956
14	1942 Federal Report Surplus Deficit	2991	2647	1528	356	1896	2033	2032	2775	780	1307	2161	3797	5479	5095
15	1943 Federal Report Surplus Deficit	4131	3915	2154	800	778	1203	2561	3768	3817	5771	5767	5496	5923	5496
16	1944 Federal Report Surplus Deficit	4284	3567	1354	473	1393	806	1028	890	399	983	-507	2292	3574	1784
17	1945 Federal Report Surplus Deficit	2749	2230	967	397	1376	842	535	505	631	1137	-301	4859	5501	2181
18	1946 Federal Report Surplus Deficit	2699	2604	1138	452	1497	1468	1947	2828	3038	5522	5677	5465	5171	5210
19	1947 Federal Report Surplus Deficit	4756	4233	1805	352	1973	2491	2985	4389	4156	4422	3725	5754	5344	4971
20	1948 Federal Report Surplus Deficit	3681	3271	1673	3571	2584	1965	2892	4203	2980	3589	5059	5616	5883	5229
21	1949 Federal Report Surplus Deficit	5140	5242	2339	1141	1736	1400	1742	2695	4311	4463	5293	6009	5102	2339
22	1950 Federal Report Surplus Deficit	1631	2065	880	459	1242	1444	2821	4564	4684	5616	4688	5315	5949	5647
23	1951 Federal Report Surplus Deficit	5141	5087	2208	2088	2695	2572	3453	4878	5233	5465	5031	5408	5311	5389
24	1952 Federal Report Surplus Deficit	4911	3436	1777	3189	2350	2007	2787	4428	2952	5758	5690	5751	5503	4997
25	1953 Federal Report Surplus Deficit	3947	2989	763	631	1357	816	1239	4984	2193	987	1555	5503	5927	5465
26	1954 Federal Report Surplus Deficit	4240	3895	1802	1035	1969	1728	2595	4748	3763	3644	3672	5485	5679	5569
27	1955 Federal Report Surplus Deficit	5194	5725	3970	1228	2383	1637	1374	1927	409	1301	1008	4937	5945	5623
28	1956 Federal Report Surplus Deficit	5071	4573	1690	1431	2554	2518	3297	5078	5327	5285	5223	5557	5934	5357
29	1957 Federal Report Surplus Deficit	4927	4855	1881	1398	1688	1813	1898	1925	3502	5308	4023	5877	5804	4313
30	1958 Federal Report Surplus Deficit	4195	2769	1165	558	1484	1374	2386	3657	2738	2708	4530	5909	5760	3966
31	1959 Federal Report Surplus Deficit	3889	2846	1290	1044	2346	2315	3227	4783	3441	4820	4042	5134	5708	5454
32	1960 Federal Report Surplus Deficit	5149	5369	4342	3842	2823	2148	2439	3489	3080	5925	4938	5197	5534	4729
33	1961 Federal Report Surplus Deficit	4656	2827	1424	974	1912	1498	2213	4017	4358	4628	3288	5564	5809	4177
34	1962 Federal Report Surplus Deficit	3830	3127	1134	434	1522	1488	2300	3678	1337	2945	5489	5683	5253	4134
35	1963 Federal Report Surplus Deficit	4298	3630	1288	1781	2395	2200	2455	3764	1483	1969	1233	5143	5626	4628
36	1964 Federal Report Surplus Deficit	3914	3129	2038	439	1559	1478	1734	2447	867	2874	2262	5584	5944	5558
37	1965 Federal Report Surplus Deficit	5055	5082	2881	2153	2252	2574	3631	5011	5143	2799	5406	5234	5591	5023
38	1966 Federal Report Surplus Deficit	5043	4942	1339	1270	1764	1537	2152	3187	1485	3505	3268	4857	5135	4640
39	1967 Federal Report Surplus Deficit	4176	2828	1370	409	1290	1818	2934	4595	3846	3485	1526	5086	5848	5355
40	1968 Federal Report Surplus Deficit	4709	4470	2006	1047	2084	1528	2399	4163	4097	1222	939	4762	5471	4895
41	1969 Federal Report Surplus Deficit	4848	4882	3311	2239	2589	1999	3253	4737	4194	5420	5465	5691	5616	5016
42	1970 Federal Report Surplus Deficit	3723	2673	1476	1218	1823	1245	2315	3901	2042	1533	1133	5383	5874	4123
43	1971 Federal Report Surplus Deficit	3061	2755	948	569	1513	1551	3383	4739	5232	5463	4963	5453	5927	5493
44	1972 Federal Report Surplus Deficit	5140	5514	2227	1454	1880	1782	3188	4802	5436	5435	4493	5194	5862	5498
45	1973 Federal Report Surplus Deficit	5182	5668	2420	1337	1964	1592	2142	3220	1273	975	-498	2320	4012	2474
46	1974 Federal Report Surplus Deficit	2937	2117	956	520	1206	2073	3738	4801	5280	5230	5135	5003	5945	5699
47	1975 Federal Report Surplus Deficit	5171	5664	2337	304	1353	1312	2235	3452	3856	1987	2182	5421	5864	5593
48	1976 Federal Report Surplus Deficit	4679	4628	2579	2438	2676	2871	3223	4851	4573	5476	4888	5529	5610	5488
49	1977 Federal Report Surplus Deficit	5213	5831	4697	1503	1479	842	1173	1099	388	968	-444	2308	3584	1668
50	1978 Federal Report Surplus Deficit	2748	2269	379	83.4	1296	1570	2069	2882	2600	5553	3573	5175	4845	5004
51	1979 Federal Report Surplus Deficit	4290	3629	3194	1588	1870	1038	1656	1495	2758	1742	2809	5723	4313	1888
52	1980 Federal Report Surplus Deficit	2018	2186	1309	692	1371	792	1733	925	929	3239	4363	5989	5631	4239
53	1981 Federal Report Surplus Deficit	2394	2401	1487	584	1892	2173	2845	4524	1719	1031	1383	5610	5805	5353
54	1982 Federal Report Surplus Deficit	5197	5325	2012	855	2115	1575	2652	4953	5608	5464	3902	5324	5839	5677

Federal Report Surplus Deficit By Water Year

Operating Year 2029

2019 White Book Report Date: **2/6/2020** *Continued*

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	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	5188	5628	3368	2287	2162	1843	2861	4870	5251	4518	3487	5596	5575	5482
56	1984 Federal Report Surplus Deficit	5039	5310	2534	1173	2790	2001	2749	4338	4665	3965	5316	5747	5930	5426
57	1985 Federal Report Surplus Deficit	4822	3745	2494	1185	2113	1591	1845	2507	1616	3753	4443	5448	4222	2504
58	1986 Federal Report Surplus Deficit	1727	2041	1269	1599	2411	1671	2421	4810	5579	5604	5101	5281	5489	3733
59	1987 Federal Report Surplus Deficit	3334	2538	1078	295	2000	1630	1558	1164	2164	1819	2280	5611	4287	1651
60	1988 Federal Report Surplus Deficit	1955	2058	882	490	1234	740	373	629	702	1134	1624	2652	4285	3749
61	1989 Federal Report Surplus Deficit	2869	2546	1233	520	1494	1363	945	-146	2566	3184	5425	5382	4400	3061
62	1990 Federal Report Surplus Deficit	2070	2450	1193	725	1918	1750	2154	4205	3334	3426	5051	5412	5495	4705
63	1991 Federal Report Surplus Deficit	4602	4368	1224	427	2702	2059	2919	4284	3393	3977	3523	5413	5443	5403
64	1992 Federal Report Surplus Deficit	5177	4752	1357	438	1524	747	1263	1268	1353	977	1116	5165	3921	1546
65	1993 Federal Report Surplus Deficit	2261	2196	729	538	1573	1035	701	-333	1688	1791	395	5823	5130	4017
66	1994 Federal Report Surplus Deficit	2720	3021	1253	762	1751	1027	700	1207	666	1106	2514	4459	4120	3427
67	1995 Federal Report Surplus Deficit	2588	2213	1033	589	1057	1053	1620	3057	3596	2374	580	5447	5600	4836
68	1996 Federal Report Surplus Deficit	3748	3084	2013	2267	2848	3147	3648	4923	5489	5563	5575	5409	5710	5369
69	1997 Federal Report Surplus Deficit	5086	4956	1940	900	2029	2046	3666	4847	5453	5228	5241	5424	5830	5419
70	1998 Federal Report Surplus Deficit	4996	5557	3262	3709	2569	1613	1922	4101	2428	1699	1396	5933	5829	4969
71	1999 Federal Report Surplus Deficit	4845	4458	1216	646	1076	1944	3143	4711	5429	3893	4808	5476	5918	5533
72	2000 Federal Report Surplus Deficit	5309	5854	2056	929	2814	2226	2293	3585	3470	5225	5389	5603	4040	4589
73	2001 Federal Report Surplus Deficit	4359	2405	1103	691	1379	842	1059	702	724	942	-364	2284	3576	2205
74	2002 Federal Report Surplus Deficit	2971	2269	506	56.8	1309	1303	825	1189	1336	2848	4887	5143	5680	5281
75	2003 Federal Report Surplus Deficit	3260	3148	1299	878	1703	963	960	1809	3268	2618	2733	3944	5612	3281
76	2004 Federal Report Surplus Deficit	1727	2124	593	566	1976	1563	1232	721	1471	2418	2417	4511	4832	3306
77	2005 Federal Report Surplus Deficit	1662	2770	2304	1473	1862	1719	1855	3431	1522	902	893	4567	4682	3879
78	2006 Federal Report Surplus Deficit	2874	2542	917	720	1986	1564	2603	4441	3217	5813	5377	5883	5740	4392
79	2007 Federal Report Surplus Deficit	2675	2262	467	451	1951	1591	2294	2717	4532	4158	2899	5666	5185	4548
80	2008 Federal Report Surplus Deficit	2100	2061	291	775	1917	1196	1350	1680	1714	2015	1119	5735	5932	5233

Ranked Averages

81	**Bottom 10 pct**	**1806**	**2214**	**1148**	**825**	**1670**	**1337**	**1643**	**2198**	**2467**	**2963**	**2714**	**4496**	**4869**	**3648**
82	**Middle 80 pct**	**3814**	**3423**	**1563**	**1051**	**1803**	**1609**	**2108**	**3104**	**2949**	**3368**	**3388**	**5112**	**5311**	**4395**
83	**Top 10 pct**	**5204**	**5556**	**2777**	**1110**	**1974**	**1472**	**1999**	**3047**	**2701**	**2677**	**2018**	**4584**	**4848**	**4082**

Federal Report Surplus Deficit By Water Year

Operating Year 2030

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	3418	3837	1313	704	1462	786	743	836	613	1099	-21.5	3201	5920	1761
2	1930 Federal Report Surplus Deficit	2460	2602	1273	854	1634	871	116	942	558	1633	743	3242	4507	3360
3	1931 Federal Report Surplus Deficit	2815	2732	1067	883	1540	911	172	750	627	1397	-194	3526	4436	3274
4	1932 Federal Report Surplus Deficit	3296	2656	1146	415	1026	844	753	-695	2691	4266	5478	6714	6461	4851
5	1933 Federal Report Surplus Deficit	3732	3802	1857	772	1178	1760	2383	3723	2909	3258	2652	5967	6797	5581
6	1934 Federal Report Surplus Deficit	5098	5203	2013	1804	2869	3060	3489	4772	4886	5349	5393	6320	5947	2320
7	1935 Federal Report Surplus Deficit	2089	2698	715	690	551	1222	2328	3489	2937	1934	3222	6058	5248	4887
8	1936 Federal Report Surplus Deficit	4984	3002	1109	595	1429	783	304	352	861	1547	4669	6912	6298	4078
9	1937 Federal Report Surplus Deficit	2260	2530	759	871	1733	900	43.9	223	376	1229	-3.60	3250	5497	2829
10	1938 Federal Report Surplus Deficit	2675	2437	1351	700	1265	1432	2003	3214	3703	4760	5607	6297	5985	5059
11	1939 Federal Report Surplus Deficit	2377	2505	1572	734	1177	826	1553	2000	1624	2352	3932	5929	5012	3589
12	1940 Federal Report Surplus Deficit	1955	2432	901	930	1717	1444	1546	1510	3313	3608	2888	6157	4988	1746
13	1941 Federal Report Surplus Deficit	1722	2131	1020	579	1671	1334	1189	980	1383	1351	-155	3228	4823	3034
14	1942 Federal Report Surplus Deficit	2966	2693	1516	450	1956	2039	2045	2769	673	1344	2214	4682	6353	5200
15	1943 Federal Report Surplus Deficit	4106	3960	2142	894	838	1209	2574	3762	3811	5822	5832	6381	6768	5599
16	1944 Federal Report Surplus Deficit	4259	3612	1342	567	1453	812	1041	885	294	1035	-454	3177	4420	1858
17	1945 Federal Report Surplus Deficit	2724	2275	955	491	1436	849	548	500	521	1189	-248	5744	6393	2267
18	1946 Federal Report Surplus Deficit	2674	2650	1126	546	1557	1474	1961	2823	2994	5574	5729	6349	6043	5298
19	1947 Federal Report Surplus Deficit	4731	4278	1793	446	2033	2497	2999	4384	4106	4490	3778	6638	6232	5075
20	1948 Federal Report Surplus Deficit	3656	3316	1661	3664	2644	1972	2905	4197	2919	3731	5112	6500	6729	5349
21	1949 Federal Report Surplus Deficit	5115	5287	2327	1235	1796	1406	1755	2690	4263	4546	5346	6893	5967	2437
22	1950 Federal Report Surplus Deficit	1606	2110	868	553	1302	1450	2834	4559	4635	5668	4741	6199	6794	5745
23	1951 Federal Report Surplus Deficit	5116	5133	2196	2182	2755	2578	3467	4872	5154	5517	5138	6293	6192	5494
24	1952 Federal Report Surplus Deficit	4886	3481	1765	3283	2410	2013	2801	4422	2908	5810	5742	6635	6362	5081
25	1953 Federal Report Surplus Deficit	3922	3034	751	724	1417	822	1252	4979	2115	1040	1581	6388	6773	5558
26	1954 Federal Report Surplus Deficit	4215	3940	1790	1129	2029	1735	2608	4743	3727	3754	3725	6369	6535	5668
27	1955 Federal Report Surplus Deficit	5169	5771	3959	1322	2443	1643	1387	1921	304	1367	1061	5822	6791	5712
28	1956 Federal Report Surplus Deficit	5046	4619	1679	1525	2614	2524	3310	5072	5257	5337	5275	6441	6780	5428
29	1957 Federal Report Surplus Deficit	4902	4901	1869	1491	1748	1819	1911	1919	3459	5394	4076	6761	6650	4416
30	1958 Federal Report Surplus Deficit	4170	2815	1153	652	1544	1381	2399	3652	2659	2778	4583	6793	6641	4093
31	1959 Federal Report Surplus Deficit	3864	2891	1278	1138	2406	2321	3240	4777	3401	4919	4095	6017	6534	5529
32	1960 Federal Report Surplus Deficit	5124	5414	4330	3936	2883	2154	2452	3483	3017	5978	5021	6082	6411	4864
33	1961 Federal Report Surplus Deficit	4630	2872	1412	1068	1972	1505	2227	4012	4283	4728	3341	6448	6672	4277
34	1962 Federal Report Surplus Deficit	3805	3172	1122	528	1582	1494	2313	3673	1248	3055	5558	6568	6099	4233
35	1963 Federal Report Surplus Deficit	4273	3675	1276	1875	2455	2206	2468	3758	1389	2047	1286	6028	6519	4731
36	1964 Federal Report Surplus Deficit	3889	3175	2026	533	1619	1484	1747	2441	767	2943	2317	6468	6790	5639
37	1965 Federal Report Surplus Deficit	5030	5127	2869	2247	2312	2580	3644	5005	5069	2936	5458	6119	6434	5114
38	1966 Federal Report Surplus Deficit	5017	4987	1327	1364	1824	1543	2165	3181	1399	3620	3321	5742	6059	4755
39	1967 Federal Report Surplus Deficit	4151	2873	1358	503	1350	1824	2947	4589	3815	3576	1506	5969	6694	5457
40	1968 Federal Report Surplus Deficit	4684	4515	1994	1141	2144	1534	2412	4157	4050	1265	992	5647	6308	4982
41	1969 Federal Report Surplus Deficit	4823	4928	3299	2333	2649	2005	3266	4730	4125	5471	5516	6576	6447	5127
42	1970 Federal Report Surplus Deficit	3698	2718	1464	1312	1883	1252	2328	3895	1952	1591	1186	6268	6720	4203
43	1971 Federal Report Surplus Deficit	3036	2801	936	663	1573	1557	3396	4732	5205	5515	5056	6337	6773	5585
44	1972 Federal Report Surplus Deficit	5115	5560	2216	1547	1940	1788	3201	4795	5331	5486	4621	6078	6707	5583
45	1973 Federal Report Surplus Deficit	5157	5714	2408	1431	2024	1598	2155	3214	1185	1027	-445	3205	4892	2571
46	1974 Federal Report Surplus Deficit	2912	2162	944	614	1266	2080	3752	4794	5174	5281	5187	5888	6791	5771
47	1975 Federal Report Surplus Deficit	5146	5709	2325	398	1413	1318	2248	3446	3804	2070	2235	6305	6710	5680
48	1976 Federal Report Surplus Deficit	4654	4673	2567	2532	2736	2878	3236	4844	4497	5527	4941	6414	6465	5573
49	1977 Federal Report Surplus Deficit	5188	5876	4685	1597	1539	848	1186	1093	283	1020	-391	3164	4429	1742
50	1978 Federal Report Surplus Deficit	2723	2314	367	177	1356	1576	2082	2877	2508	5605	3626	6060	5689	5108
51	1979 Federal Report Surplus Deficit	4265	3674	3182	1682	1930	1045	1669	1489	2665	1822	2852	6608	5159	1978
52	1980 Federal Report Surplus Deficit	1993	2231	1297	786	1431	798	1746	920	825	3298	4416	6877	6496	4324
53	1981 Federal Report Surplus Deficit	2369	2446	1475	678	1952	2180	2858	4519	1640	1083	1426	6495	6651	5448
54	1982 Federal Report Surplus Deficit	5172	5371	2000	948	2175	1581	2665	4947	5503	5523	3955	6209	6684	5756

Federal Report Surplus Deficit By Water Year

Operating Year 2030

2019 White Book Report Date: **2/6/2020** *Continued*

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	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	5163	5673	3356	2381	2222	1850	2874	4865	5187	4610	3540	6481	6428	5572
56	1984 Federal Report Surplus Deficit	5014	5355	2522	1267	2850	2007	2763	4332	4647	4112	5369	6632	6776	5511
57	1985 Federal Report Surplus Deficit	4797	3790	2482	1279	2173	1598	1858	2501	1530	3848	4496	6333	5068	2590
58	1986 Federal Report Surplus Deficit	1702	2086	1257	1693	2471	1677	2434	4804	5490	5656	5154	6166	6313	3822
59	1987 Federal Report Surplus Deficit	3309	2583	1066	389	2060	1636	1571	1158	2105	1891	2357	6531	5174	1725
60	1988 Federal Report Surplus Deficit	1930	2104	870	584	1294	746	386	624	598	1186	1671	3520	5136	3827
61	1989 Federal Report Surplus Deficit	2844	2591	1221	613	1554	1369	958	-151	2481	3298	5497	6267	5246	3147
62	1990 Federal Report Surplus Deficit	2045	2495	1181	818	1978	1756	2167	4199	3267	3563	5157	6296	6388	4860
63	1991 Federal Report Surplus Deficit	4577	4413	1212	521	2762	2066	2932	4278	3364	4113	3576	6297	6336	5505
64	1992 Federal Report Surplus Deficit	5152	4797	1345	532	1584	753	1276	1262	1259	1030	1169	6050	4767	1620
65	1993 Federal Report Surplus Deficit	2236	2241	717	632	1633	1042	714	-339	1595	1856	448	6708	5976	4127
66	1994 Federal Report Surplus Deficit	2695	3066	1241	856	1811	1033	713	1202	569	1156	2565	5344	4971	3517
67	1995 Federal Report Surplus Deficit	2563	2258	1021	683	1117	1059	1633	3051	3545	2436	633	6332	6508	4940
68	1996 Federal Report Surplus Deficit	3723	3129	2001	2361	2908	3153	3661	4916	5383	5614	5627	6294	6608	5452
69	1997 Federal Report Surplus Deficit	5061	5001	1928	994	2089	2053	3679	4841	5347	5277	5293	6308	6675	5521
70	1998 Federal Report Surplus Deficit	4971	5602	3250	3802	2629	1619	1935	4096	2356	1772	1449	6816	6675	5076
71	1999 Federal Report Surplus Deficit	4820	4504	1204	740	1136	1950	3156	4705	5381	4000	4861	6359	6763	5619
72	2000 Federal Report Surplus Deficit	5284	5899	2044	1023	2874	2233	2307	3580	3413	5278	5462	6498	4891	4698
73	2001 Federal Report Surplus Deficit	4334	2451	1091	784	1439	848	1072	696	614	994	-311	3169	4422	2289
74	2002 Federal Report Surplus Deficit	2945	2315	494	151	1369	1310	838	1183	1246	2995	4940	6028	6582	5388
75	2003 Federal Report Surplus Deficit	3235	3194	1287	972	1763	969	973	1803	3215	2692	2786	4829	6472	3379
76	2004 Federal Report Surplus Deficit	1702	2169	581	660	2036	1569	1245	715	1379	2476	2477	5396	5678	3394
77	2005 Federal Report Surplus Deficit	1636	2815	2292	1567	1922	1725	1868	3426	1426	955	946	5452	5528	3955
78	2006 Federal Report Surplus Deficit	2849	2588	905	814	2046	1570	2616	4436	3135	5866	5485	6767	6588	4499
79	2007 Federal Report Surplus Deficit	2650	2308	455	544	2011	1597	2307	2711	4496	4236	2952	6582	6089	4654
80	2008 Federal Report Surplus Deficit	2075	2106	279	869	1977	1202	1363	1674	1613	2083	1172	6620	6778	5334

Ranked Averages

81	**Bottom 10 pct**	**1781**	**2260**	**1136**	**919**	**1730**	**1343**	**1656**	**2192**	**2381**	**3025**	**2767**	**5374**	**5719**	**3731**
82	**Middle 80 pct**	**3789**	**3468**	**1551**	**1145**	**1863**	**1615**	**2121**	**3099**	**2876**	**3444**	**3446**	**5997**	**6171**	**4492**
83	**Top 10 pct**	**5179**	**5601**	**2765**	**1204**	**2034**	**1478**	**2012**	**3041**	**2617**	**2740**	**2073**	**5467**	**5699**	**4169**

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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 2021 to 2030
Using 1937-Water Conditions

Regional Report Surplus Deficit By Water Year

Operating Year 2021

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Regional Report Surplus Deficit	4367	5847	8900	5539	4625	1842	1598	2512	3009	4070	1632	5919	9099	3429
2	1930 Regional Report Surplus Deficit	4526	4504	8808	5313	3926	1642	579	2538	2930	4634	2068	5561	7167	5595
3	1931 Regional Report Surplus Deficit	5274	5167	8652	5338	4363	1780	628	2043	2917	4594	1199	5878	6194	4596
4	1932 Regional Report Surplus Deficit	5375	4638	8378	4796	3855	1750	1614	386	5756	8477	8507	10537	9870	7732
5	1933 Regional Report Surplus Deficit	5604	6196	8842	5398	4263	3441	3865	6387	6003	7132	4602	9103	10564	8764
6	1934 Regional Report Surplus Deficit	7332	7691	9070	6871	6260	4814	5448	7862	8803	10179	8191	9656	8578	4083
7	1935 Regional Report Surplus Deficit	3732	4479	8330	5064	3553	2482	3802	6035	6172	5492	5724	9390	8328	7812
8	1936 Regional Report Surplus Deficit	7163	5295	8883	5194	4426	1679	909	1621	3334	4893	7565	11091	9720	6798
9	1937 Regional Report Surplus Deficit	4859	4918	8950	5436	4197	1734	438	1152	2417	4177	1342	5657	8498	4968
10	1938 Regional Report Surplus Deficit	4980	4644	8802	5239	4297	3045	3546	5255	7642	9069	8801	9941	9206	8062
11	1939 Regional Report Surplus Deficit	3953	4580	8957	5349	4246	1877	3096	4160	4514	5777	6324	9554	7933	5929
12	1940 Regional Report Surplus Deficit	4769	4998	8909	5464	4623	2919	2918	3590	6952	7580	5097	9812	7711	3289
13	1941 Regional Report Surplus Deficit	3624	3814	8542	5111	4228	2644	2175	3065	4026	4140	1169	5426	6919	4130
14	1942 Regional Report Surplus Deficit	4898	4537	8145	4717	4809	3898	3537	5156	3171	4443	4043	7609	9672	8234
15	1943 Regional Report Surplus Deficit	5287	6053	8791	5525	3895	2691	4238	6370	7394	11015	9040	10052	10409	8746
16	1944 Regional Report Surplus Deficit	6609	6192	9085	5352	4335	2031	2254	2595	2738	4407	874	5207	6313	2520
17	1945 Regional Report Surplus Deficit	4731	4067	8278	4414	3876	1752	1442	2062	2962	4125	1170	8771	9718	4356
18	1946 Regional Report Surplus Deficit	4745	4535	8909	5147	4405	3104	3542	5405	6318	9900	8876	9995	9318	8496
19	1947 Regional Report Surplus Deficit	6513	6013	9084	5246	5398	4705	4788	7468	7899	8714	6305	10472	9616	8089
20	1948 Regional Report Surplus Deficit	5668	5267	8980	9467	6173	3932	4694	6901	6136	7948	8125	10184	10030	8524
21	1949 Regional Report Surplus Deficit	7321	7531	9108	6167	5026	2879	3128	5018	7874	8907	8450	10872	9272	4618
22	1950 Regional Report Surplus Deficit	3684	4665	8935	5143	4351	3085	4639	7330	8537	10197	7414	9389	10605	9052
23	1951 Regional Report Surplus Deficit	7369	7669	9266	7569	6480	4819	5393	8377	9113	10457	8204	9815	9554	8585
24	1952 Regional Report Surplus Deficit	7318	6190	9136	9064	5962	4025	4501	7230	6226	10316	9033	10484	9699	8100
25	1953 Regional Report Surplus Deficit	6446	5275	9121	5365	3900	1536	2695	7965	5165	4254	3636	10092	10514	8800
26	1954 Regional Report Surplus Deficit	5778	6536	9137	6045	5345	3616	4450	7623	7340	7908	6244	9895	9954	8876
27	1955 Regional Report Surplus Deficit	7346	8036	10306	6272	5859	3376	2802	3893	2189	4785	2534	8639	10575	8893
28	1956 Regional Report Surplus Deficit	7334	7317	9137	6634	6136	4693	5390	7989	8868	9898	8119	9993	10433	8709
29	1957 Regional Report Surplus Deficit	6924	6451	9209	6575	5009	3824	3483	4045	7047	10125	6722	10856	10387	7214
30	1958 Regional Report Surplus Deficit	4826	4771	9113	5300	4529	2940	4202	6401	5951	6746	7624	10698	10115	6701
31	1959 Regional Report Surplus Deficit	5004	5292	8969	5901	5807	4420	5204	7853	6904	9539	6683	9570	9996	8623
32	1960 Regional Report Surplus Deficit	7333	6772	10927	9933	6386	4072	4110	6130	6542	10856	7962	9540	9794	7698
33	1961 Regional Report Surplus Deficit	6777	5229	8980	5899	5276	3094	3758	6625	8178	9057	5424	9912	9712	6782
34	1962 Regional Report Surplus Deficit	5059	5220	8877	5223	4704	2963	3856	6289	3889	7260	8499	10197	9321	6836
35	1963 Regional Report Surplus Deficit	6692	6275	9015	7065	5942	4229	4033	6563	4200	5611	3187	9912	10000	7574
36	1964 Regional Report Surplus Deficit	6345	5755	9011	5220	4804	3104	3276	4724	3329	6956	4470	9907	10770	8882
37	1965 Regional Report Surplus Deficit	7354	6817	9454	7408	5683	4726	5461	8134	8848	6869	8771	9546	9855	8210
38	1966 Regional Report Surplus Deficit	7486	7936	8986	6428	5104	3351	3827	5692	4296	8040	5825	8883	9229	7505
39	1967 Regional Report Surplus Deficit	6554	5067	8869	5166	4450	3699	4742	7436	7466	7588	3187	9374	10353	8639
40	1968 Regional Report Surplus Deficit	7123	5883	8849	6084	5504	3352	4241	7097	7942	4456	2459	8846	9808	7918
41	1969 Regional Report Surplus Deficit	7313	7047	9747	7693	6188	3977	5093	7742	7623	10125	8610	10345	10037	8212
42	1970 Regional Report Surplus Deficit	5349	4626	9136	6264	5102	2738	4141	6681	5249	4915	2833	9961	10360	7113
43	1971 Regional Report Surplus Deficit	5682	5256	9005	5426	4580	3238	5308	7884	9096	9863	7861	9910	10738	8942
44	1972 Regional Report Surplus Deficit	7526	6735	9394	6739	5412	3730	5060	8041	9615	10512	7588	9541	10226	8755
45	1973 Regional Report Surplus Deficit	7380	8059	9290	6527	5462	3456	3916	5783	3891	4453	908	5503	6834	3745
46	1974 Regional Report Surplus Deficit	4747	3933	8740	5048	4374	4052	5799	7584	9069	9881	8030	8767	10475	9092
47	1975 Regional Report Surplus Deficit	7470	7962	9132	5195	4652	2931	4016	6085	7621	5516	4247	9836	10492	8945
48	1976 Regional Report Surplus Deficit	7211	7537	9338	8082	6388	5083	5323	7925	8242	10441	7720	10022	10010	8777
49	1977 Regional Report Surplus Deficit	7513	8309	10987	6656	4754	2155	2238	2816	2537	4144	720	4994	6039	2091
50	1978 Regional Report Surplus Deficit	4975	4618	8053	3853	4202	3261	3688	5365	5647	9951	6404	10039	8881	8180
51	1979 Regional Report Surplus Deficit	5651	5378	9605	6651	5184	2378	2856	3538	6028	5214	4958	10656	8198	3848
52	1980 Regional Report Surplus Deficit	4073	4019	8883	5364	4339	1748	3261	2887	3602	7218	7414	11152	9980	7134
53	1981 Regional Report Surplus Deficit	3613	4508	8875	5271	5108	4211	4593	7408	4553	4033	3095	10106	10258	8443
54	1982 Regional Report Surplus Deficit	6477	7304	8698	5822	5477	3349	4433	8252	9511	9949	6573	9583	10440	8987

Regional Report Surplus Deficit By Water Year

Operating Year 2021

2019 White Book Report Date: **2/6/2020** *Continued*

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	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Regional Report Surplus Deficit	7515	7733	9909	7849	5701	3833	4808	7783	9121	9138	5831	10114	9800	8767
56	1984 Regional Report Surplus Deficit	7482	7311	9340	6361	6644	4062	4682	7207	8483	8553	8087	10370	10541	8732
57	1985 Regional Report Surplus Deficit	7498	6668	9413	6435	5775	3433	3457	4873	4347	8192	7172	9923	7952	4682
58	1986 Regional Report Surplus Deficit	3498	4472	9142	6847	6033	3390	4175	7664	9688	10079	8055	9759	9545	6454
59	1987 Regional Report Surplus Deficit	5564	4734	9088	5145	5286	3396	3056	3020	5340	5337	4268	10091	7897	3427
60	1988 Regional Report Surplus Deficit	3970	4235	8655	4731	3322	1441	982	1922	2902	4388	3568	6309	7939	6240
61	1989 Regional Report Surplus Deficit	4413	4510	8706	5098	4495	2720	1990	1318	5668	7477	8289	9865	8275	5450
62	1990 Regional Report Surplus Deficit	4194	4675	8972	5392	5142	3540	3843	6832	6642	7662	8222	9830	9918	7766
63	1991 Regional Report Surplus Deficit	7273	6505	8887	5137	6164	3829	4465	7098	6799	8287	5722	9758	9665	8475
64	1992 Regional Report Surplus Deficit	7277	7671	8774	5116	4652	1635	2440	3324	3954	3856	2571	9153	6770	2507
65	1993 Regional Report Surplus Deficit	3999	3698	8442	4841	3984	1939	1457	702	4153	4963	1964	10161	8953	6869
66	1994 Regional Report Surplus Deficit	5567	5682	8674	5386	4629	2007	1641	2785	3116	4272	4795	8664	7682	5825
67	1995 Regional Report Surplus Deficit	4316	3689	8576	5122	3540	2119	3104	5536	7258	5886	2060	10308	9984	7851
68	1996 Regional Report Surplus Deficit	5457	5811	9024	7569	6417	5238	5670	8387	9609	10464	9168	10046	10027	8550
69	1997 Regional Report Surplus Deficit	7443	6259	9115	5834	5392	4092	5866	7871	9395	10073	8399	9745	10017	8697
70	1998 Regional Report Surplus Deficit	7438	7615	9923	9790	6217	3503	3692	6899	5761	5200	3248	10833	10287	8157
71	1999 Regional Report Surplus Deficit	7297	5203	9170	5535	4200	3995	5046	7787	9413	8283	7663	9897	10387	8869
72	2000 Regional Report Surplus Deficit	7677	8372	9113	5921	6285	4255	4101	6178	6917	9806	8629	10160	7959	7399
73	2001 Regional Report Surplus Deficit	7007	4574	8939	5465	4377	1931	1878	2368	3005	4118	816	5449	6076	2990
74	2002 Regional Report Surplus Deficit	4745	4003	8263	3793	3953	2534	1852	2937	3905	6961	7738	9359	9952	8398
75	2003 Regional Report Surplus Deficit	4612	4738	8693	5468	4646	1911	2048	3754	6719	6468	4900	7820	9796	5642
76	2004 Regional Report Surplus Deficit	4014	4139	8777	4734	4832	3020	2369	2455	4215	5891	4342	8612	8715	5735
77	2005 Regional Report Surplus Deficit	3492	5063	8761	6233	4839	3170	3171	5755	4079	3830	2410	8898	8515	6520
78	2006 Regional Report Surplus Deficit	4803	4096	8673	4925	4936	3001	4442	7187	6491	10450	8390	10584	10211	7175
79	2007 Regional Report Surplus Deficit	3959	4474	8901	4845	4994	3151	3817	5049	8363	8259	5122	10145	9061	7437
80	2008 Regional Report Surplus Deficit	4687	4279	8745	4870	4713	2235	2468	3400	4416	5627	2920	10140	10681	8438

Ranked Averages

81	**Bottom 10 pct**	**3694**	**4507**	**8805**	**5483**	**4669**	**3001**	**3683**	**5808**	**6241**	**6476**	**4914**	**9083**	**8895**	**6972**
82	**Middle 80 pct**	**5852**	**5571**	**8977**	**5875**	**4949**	**3117**	**3483**	**5280**	**5940**	**7260**	**5609**	**9315**	**9390**	**7016**
83	**Top 10 pct**	**7521**	**7628**	**9534**	**6448**	**5541**	**3469**	**4024**	**6084**	**6617**	**7987**	**6012**	**9228**	**9030**	**7109**

Regional Report Surplus Deficit By Water Year

Operating Year 2022

2019 White Book Report Date: **2/6/2020**

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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	5264	5233	5567	4317	3219	1624	1356	2415	2911	1877	496	7130	9380	3202
2	1930 Regional Report Surplus Deficit	3372	3001	5282	4029	2550	1442	223	2451	2822	2435	978	6868	7447	5230
3	1931 Regional Report Surplus Deficit	3727	3336	5100	4024	2999	1517	283	1953	2819	2383	44.3	7029	6483	4228
4	1932 Regional Report Surplus Deficit	3767	2379	5080	3577	2460	1511	1349	262	5512	6173	6881	10360	10136	7273
5	1933 Regional Report Surplus Deficit	5632	5087	6073	4150	2877	3402	4291	5581	5828	4833	3558	8957	10919	8305
6	1934 Regional Report Surplus Deficit	7511	7459	6588	5515	5897	4921	5838	7044	7746	7889	6547	9112	8783	3752
7	1935 Regional Report Surplus Deficit	3155	3667	4428	3781	2328	2204	4175	5444	5828	3290	4475	9032	8597	7335
8	1936 Regional Report Surplus Deficit	7145	4391	5187	3972	3020	1456	510	1555	3244	2665	6161	10734	9978	6385
9	1937 Regional Report Surplus Deficit	3624	3820	4538	4152	2855	1476	39.3	1089	2354	1983	189	6868	8716	4624
10	1938 Regional Report Surplus Deficit	4170	3156	5500	4007	2900	2795	3754	5171	6799	6722	7319	9874	9478	7597
11	1939 Regional Report Surplus Deficit	3805	3802	5412	4099	2860	1708	3109	3904	4414	3648	5104	9369	8196	5555
12	1940 Regional Report Surplus Deficit	3173	3655	4830	4152	3313	2735	3020	3430	6604	5399	3890	9502	7949	3062
13	1941 Regional Report Surplus Deficit	2235	2642	4854	3852	2902	2383	2004	2931	3921	1932	19.7	6644	7159	3771
14	1942 Regional Report Surplus Deficit	3054	2408	5156	3492	3535	4078	3787	4741	3076	2242	2877	8004	9962	7758
15	1943 Regional Report Surplus Deficit	5616	5536	6571	4233	2590	2415	4680	5821	6935	8545	7620	9579	10751	8317
16	1944 Regional Report Surplus Deficit	6353	5303	5724	4172	2929	1822	2126	2493	2603	2213	-248	6418	6601	2219
17	1945 Regional Report Surplus Deficit	2746	2009	3918	3193	2472	1490	1122	1998	2841	1932	48.0	8659	9959	4033
18	1946 Regional Report Surplus Deficit	3728	3717	5117	3954	3002	2867	3691	4952	6074	7629	7368	9869	9570	8006
19	1947 Regional Report Surplus Deficit	7020	6168	6388	4111	4130	5034	5350	6599	7334	6611	5122	10139	9864	7612
20	1948 Regional Report Surplus Deficit	5537	4852	5987	8624	5618	4084	5225	6181	5837	5606	6699	10687	10315	8036
21	1949 Regional Report Surplus Deficit	7459	7614	7032	4838	3666	2626	3326	4639	7434	6567	7029	10512	9527	4286
22	1950 Regional Report Surplus Deficit	2796	3321	4845	3956	2952	2909	5177	6580	7894	7878	6199	9201	10891	8599
23	1951 Regional Report Surplus Deficit	7566	7485	6934	6236	6049	5230	5903	7613	7926	8160	6748	9754	9787	8110
24	1952 Regional Report Surplus Deficit	7126	5100	6363	8034	5021	4177	4999	6500	5933	7997	7665	10577	10001	7629
25	1953 Regional Report Surplus Deficit	5641	4648	4716	4139	2494	1304	2549	7143	5015	2060	2548	9690	10887	8352
26	1954 Regional Report Surplus Deficit	6303	5792	6351	4731	4083	3521	4910	6823	6805	5783	5106	9770	10042	8447
27	1955 Regional Report Surplus Deficit	7542	8443	9205	4937	5013	3335	2747	3648	2144	2572	1419	8535	10871	8458
28	1956 Regional Report Surplus Deficit	7431	6606	6156	5282	5507	5037	5896	7125	7756	7672	7148	10455	10670	8227
29	1957 Regional Report Surplus Deficit	7281	7139	6527	5226	3634	3790	3738	3818	6734	7802	5416	11159	10720	6772
30	1958 Regional Report Surplus Deficit	6228	4221	5310	4082	3125	2673	4589	5872	5704	4557	6216	10584	10420	6293
31	1959 Regional Report Surplus Deficit	5803	3840	5467	4587	4855	4909	5841	6882	6515	7338	5462	9350	10253	8169
32	1960 Regional Report Surplus Deficit	7425	7685	9734	9193	5987	4616	4613	5564	6133	8506	6467	9280	10071	7249
33	1961 Regional Report Surplus Deficit	6744	4326	5674	4589	3991	2884	4138	6107	7460	6787	4310	9426	9945	6354
34	1962 Regional Report Surplus Deficit	5682	4153	5206	4040	3306	2735	4219	5689	3797	5085	7007	9642	9588	6423
35	1963 Regional Report Surplus Deficit	6353	5322	5596	5711	5092	4602	4560	5986	4104	3413	2085	9702	10268	7112
36	1964 Regional Report Surplus Deficit	5593	4629	6564	4026	3409	2887	3364	4378	3234	4742	3346	9481	11116	8443
37	1965 Regional Report Surplus Deficit	7435	7421	7844	6088	4684	4980	5758	7353	7677	4787	7491	9855	10157	7732
38	1966 Regional Report Surplus Deficit	7422	7256	5735	5074	3784	3222	4116	5187	4201	5856	4629	8821	9504	7053
39	1967 Regional Report Surplus Deficit	5956	4192	5664	3942	3047	3676	5311	6585	6952	5498	2104	9169	10584	8175
40	1968 Regional Report Surplus Deficit	6876	6443	6534	4749	4344	3225	4640	6414	7358	2232	1367	8830	10058	7439
41	1969 Regional Report Surplus Deficit	6984	7185	8438	6407	5643	4136	5613	6827	7120	7788	7016	10402	10247	7738
42	1970 Regional Report Surplus Deficit	5588	4096	5692	4929	3775	2461	4492	6037	4937	2810	1776	9586	10717	6685
43	1971 Regional Report Surplus Deficit	4690	4151	5105	4175	3177	3043	5766	7148	8056	7673	6450	10525	11029	8498
44	1972 Regional Report Surplus Deficit	7685	8124	7035	5387	4088	3656	5647	7349	8313	8230	6186	10199	10509	8321
45	1973 Regional Report Surplus Deficit	7587	8248	7336	5178	4185	3266	4196	5272	3799	2259	-213	6714	7095	3406
46	1974 Regional Report Surplus Deficit	3128	1860	4624	3796	2984	4268	5941	7142	8040	7588	6966	9450	10896	8653
47	1975 Regional Report Surplus Deficit	7689	8285	7079	4063	3247	2655	4331	5550	7027	3468	3062	9565	10886	8553
48	1976 Regional Report Surplus Deficit	7010	6973	7435	6807	5954	5225	5960	7007	7598	8098	6298	10367	10262	8327
49	1977 Regional Report Surplus Deficit	7508	8246	9865	5301	3352	1893	2189	2692	2492	1950	-401	6247	6326	1802
50	1978 Regional Report Surplus Deficit	2554	1856	3502	2698	2797	3068	3921	4888	5503	7699	5141	9823	9082	7712
51	1979 Regional Report Surplus Deficit	6248	5453	8305	5294	3882	2120	2950	3380	5796	2929	3817	10174	8423	3542
52	1980 Regional Report Surplus Deficit	2725	3024	5278	4094	2935	1602	3335	2785	3512	4974	6007	10673	10297	6700
53	1981 Regional Report Surplus Deficit	3305	3622	5531	4004	3842	4598	5297	6651	4438	1839	2015	9581	10546	7971
54	1982 Regional Report Surplus Deficit	7409	7537	6532	4536	4352	3165	4901	7417	8116	7713	5269	9840	10829	8650

Regional Report Surplus Deficit By Water Year

Operating Year 2022

2019 White Book Report Date: **2/6/2020** *Continued*

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	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Regional Report Surplus Deficit	7580	8116	8524	6543	4577	3798	5318	7050	8110	6837	4644	9691	10126	8322
56	1984 Regional Report Surplus Deficit	7530	7861	7382	5033	6289	4161	5171	6534	8055	6286	6602	9878	10929	8270
57	1985 Regional Report Surplus Deficit	7266	5715	7322	5110	4581	3261	3642	4515	4239	5953	5779	9544	8177	4346
58	1986 Regional Report Surplus Deficit	2821	3062	5509	5490	5177	3296	4556	7016	8340	7795	6590	9361	9872	6067
59	1987 Regional Report Surplus Deficit	4994	3728	5293	3994	4027	3261	3082	2892	5161	3027	3232	9505	8108	3155
60	1988 Regional Report Surplus Deficit	3009	2978	4869	3479	1917	1282	639	1841	2799	2195	2431	7488	8164	5851
61	1989 Regional Report Surplus Deficit	3841	3144	5085	3869	3093	2464	1751	1253	5427	5250	6829	9472	8495	5098
62	1990 Regional Report Surplus Deficit	3260	3077	5295	4120	3851	3608	4172	6057	6334	5568	6787	9254	10064	7291
63	1991 Regional Report Surplus Deficit	6524	6145	5409	3954	5818	4115	5114	6320	6303	6187	4675	9381	9873	8017
64	1992 Regional Report Surplus Deficit	7410	6779	5592	3928	3256	1493	2368	3187	3837	1628	1446	8830	7020	2280
65	1993 Regional Report Surplus Deficit	2587	2580	4497	3567	2602	1676	1187	626	4050	2757	827	9647	9169	6456
66	1994 Regional Report Surplus Deficit	3965	3609	4885	4118	3307	1731	1367	2649	3009	2057	3642	8768	7947	5450
67	1995 Regional Report Surplus Deficit	3310	2802	4999	3840	2153	1853	3138	5135	6827	3701	929	9872	10239	7378
68	1996 Regional Report Surplus Deficit	5717	3986	6379	6266	6002	5116	5962	7706	8179	8217	7708	10141	10338	8096
69	1997 Regional Report Surplus Deficit	7310	7087	6437	4545	4145	4230	5970	7174	8147	7780	7419	10540	10306	8262
70	1998 Regional Report Surplus Deficit	7372	8129	8499	9014	5631	3328	3852	6213	5552	2981	2145	10545	10649	7682
71	1999 Regional Report Surplus Deficit	7051	6585	5450	4312	2828	4067	5610	7044	8014	5923	6343	9677	10734	8449
72	2000 Regional Report Surplus Deficit	7842	8624	6765	4627	5984	4655	4456	5631	6546	7678	7139	9656	8181	6952
73	2001 Regional Report Surplus Deficit	6382	3832	5201	4209	2971	1691	1750	2268	2906	1924	-305	6660	6364	2663
74	2002 Regional Report Surplus Deficit	2917	2033	3548	2638	2548	2262	1602	2806	3797	4734	6355	9084	10182	7917
75	2003 Regional Report Surplus Deficit	4925	4438	5420	4226	3353	1667	1836	3527	6354	4191	3817	8220	10074	5272
76	2004 Regional Report Surplus Deficit	2534	2917	4285	3462	3673	2842	2252	2369	4118	3590	3286	8736	8957	5364
77	2005 Regional Report Surplus Deficit	2422	3731	6789	4876	3544	3094	3429	5199	3925	1636	1366	8807	8777	6126
78	2006 Regional Report Surplus Deficit	3817	3210	4713	3661	3706	2818	4850	6559	6145	8029	6921	10395	10458	6733
79	2007 Regional Report Surplus Deficit	4142	3183	4111	3641	3738	2981	4191	4644	7798	6084	3904	9620	9343	6998
80	2008 Regional Report Surplus Deficit	3370	3001	3835	3561	3442	1957	2385	3212	4262	3486	1870	9645	10976	7956

Ranked Averages

81	**Bottom 10 pct**	**2575**	**2760**	**4746**	**3712**	**2985**	**2383**	**2803**	**3422**	**4471**	**4050**	**2862**	**9024**	**9286**	**6095**
82	**Middle 80 pct**	**5464**	**4828**	**5850**	**4686**	**3775**	**3052**	**3755**	**4992**	**5650**	**5061**	**4503**	**9344**	**9587**	**6554**
83	**Top 10 pct**	**7627**	**8148**	**7532**	**5250**	**4929**	**3845**	**4721**	**6081**	**6490**	**5686**	**4448**	**9249**	**9798**	**7549**

Regional Report Surplus Deficit By Water Year

Operating Year 2023

2019 White Book Report Date: **2/6/2020**

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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	4744	5112	5001	3930	2732	1075	1120	2141	2432	2831	1137	5959	7750	2967
2	1930 Regional Report Surplus Deficit	2917	2901	4733	3624	2109	883	-19.1	2171	2345	3285	1582	5743	6272	4917
3	1931 Regional Report Surplus Deficit	3256	3247	4549	3606	2564	1004	40.3	1675	2344	3262	697	6017	5338	3938
4	1932 Regional Report Surplus Deficit	3258	2288	4523	3196	1953	976	1111	-162	5082	6990	7911	9704	8494	6835
5	1933 Regional Report Surplus Deficit	5082	4974	5442	3757	2357	3126	4151	4934	5429	5552	4193	8675	8924	7741
6	1934 Regional Report Surplus Deficit	6668	6767	5943	5082	6110	5875	5966	5389	7776	8594	7530	8850	7003	3484
7	1935 Regional Report Surplus Deficit	2707	3587	3947	3372	1779	1726	4034	4973	5409	4116	5125	8680	7147	6896
8	1936 Regional Report Surplus Deficit	6359	4318	4679	3590	2538	910	272	1251	2765	3539	6973	10036	8326	6010
9	1937 Regional Report Surplus Deficit	3175	3710	4120	3747	2436	958	-199	777	1887	2938	839	5697	7226	4336
10	1938 Regional Report Surplus Deficit	3700	3046	4925	3620	2389	2374	3595	4946	6407	7490	8236	9492	7828	7132
11	1939 Regional Report Surplus Deficit	3354	3682	4813	3704	2344	1136	2910	3669	3941	4449	5804	8929	6834	5239
12	1940 Regional Report Surplus Deficit	2729	3535	4355	3737	2912	2364	2835	3180	6192	6146	4509	9079	6557	2827
13	1941 Regional Report Surplus Deficit	1872	2476	4315	3460	2495	1950	1778	2675	3443	2798	664	5576	5829	3488
14	1942 Regional Report Surplus Deficit	2565	2324	4541	3109	3154	3882	3636	4521	2597	3149	3476	7354	8368	7259
15	1943 Regional Report Surplus Deficit	5017	5404	5918	3822	2049	1928	4556	5494	6549	9431	8507	9137	8943	7786
16	1944 Regional Report Surplus Deficit	5707	5202	5160	3799	2439	1269	1905	2221	2135	3168	402	5248	5458	1981
17	1945 Regional Report Surplus Deficit	2273	1875	3399	2817	1999	976	880	1687	2370	2887	698	8190	8364	3764
18	1946 Regional Report Surplus Deficit	3266	3617	4602	3578	2522	2459	3514	4727	5608	8474	8329	9445	7929	7502
19	1947 Regional Report Surplus Deficit	6287	5974	5754	3756	3741	5303	5272	5369	6976	7352	5823	9573	8197	7128
20	1948 Regional Report Surplus Deficit	4981	4776	5360	8656	5637	3875	5127	5203	5411	6374	7566	9872	8252	7531
21	1949 Regional Report Surplus Deficit	6612	6771	6377	4410	3229	2203	3162	4413	7061	7342	7919	9848	7877	4005
22	1950 Regional Report Surplus Deficit	2432	3131	4385	3582	2442	2543	5088	5328	7539	8715	6996	8919	9078	8065
23	1951 Regional Report Surplus Deficit	6721	6887	6280	5818	6131	5579	5984	5958	8019	8868	7622	9351	8141	7579
24	1952 Regional Report Surplus Deficit	6367	5019	5722	7825	4819	3969	4890	5542	5522	8870	8539	9981	8325	7152
25	1953 Regional Report Surplus Deficit	5043	4576	4308	3754	2014	764	2325	5635	4546	3015	3133	9262	8864	7827
26	1954 Regional Report Surplus Deficit	5662	5640	5729	4314	3705	3206	4791	5506	6386	6543	5799	9380	8368	7872
27	1955 Regional Report Surplus Deficit	6799	6846	8905	4508	4883	3056	2536	3412	1676	3452	2010	8082	8971	7894
28	1956 Regional Report Surplus Deficit	6593	6336	5545	4849	5496	5339	5849	5489	7858	8415	7680	9686	8855	7719
29	1957 Regional Report Surplus Deficit	6486	6745	5891	4793	3187	3515	3589	3580	6307	8592	6147	10067	8781	6389
30	1958 Regional Report Surplus Deficit	5614	4139	4781	3697	2648	2233	4451	5665	5265	5303	7002	9803	8779	5916
31	1959 Regional Report Surplus Deficit	5229	3765	4907	4168	4668	4810	5765	5266	6129	8118	6190	9079	8570	7640
32	1960 Regional Report Surplus Deficit	6600	6869	9677	9670	6194	4506	4494	5240	5690	9420	7347	8851	8402	6804
33	1961 Regional Report Surplus Deficit	6039	4247	5085	4171	3597	2497	3999	5504	7100	7556	4968	9122	8268	5971
34	1962 Regional Report Surplus Deficit	5105	4081	4674	3668	2837	2334	4082	5184	3326	5859	7966	9256	7922	6051
35	1963 Regional Report Surplus Deficit	5700	5220	5045	5278	4952	4459	4450	5574	3633	4232	2671	9269	8633	6681
36	1964 Regional Report Surplus Deficit	5003	4557	5919	3653	2943	2495	3176	4147	2753	5491	3938	9047	8977	7904
37	1965 Regional Report Surplus Deficit	6605	6801	7216	5677	4419	5397	5902	5694	7793	5587	8331	9243	8571	7251
38	1966 Regional Report Surplus Deficit	6600	6857	5129	4640	3370	2881	3973	4962	3714	6577	5273	8358	7819	6629
39	1967 Regional Report Surplus Deficit	5341	4114	5084	3557	2542	3402	5226	5200	6580	6245	2689	8902	8749	7651
40	1968 Regional Report Surplus Deficit	6153	6196	5892	4321	4009	2885	4505	5574	7003	3129	1962	8355	8411	6985
41	1969 Regional Report Surplus Deficit	6228	6770	7909	6018	5667	3931	5559	5178	6772	8652	8010	9838	8535	7247
42	1970 Regional Report Surplus Deficit	5035	4008	5119	4500	3360	1994	4345	5354	4485	3687	2366	9157	8957	6323
43	1971 Regional Report Surplus Deficit	4203	4069	4617	3777	2699	2665	5785	5498	8063	8493	7318	9602	8987	7964
44	1972 Regional Report Surplus Deficit	6842	6973	6383	4952	3674	3342	5570	5700	8556	8932	6972	9236	8486	7787
45	1973 Regional Report Surplus Deficit	6741	6880	6683	4744	3798	2892	4051	5047	3326	3214	437	5544	5733	3134
46	1974 Regional Report Surplus Deficit	2650	1708	4101	3401	2464	4062	6111	5488	8332	8294	7594	8463	8802	8129
47	1975 Regional Report Surplus Deficit	6845	6916	6425	3711	2752	2193	4177	5317	6652	4272	3659	9262	8935	8062
48	1976 Regional Report Surplus Deficit	6277	6661	6778	6424	6030	6079	5890	5362	7232	8846	7148	9715	8623	7788
49	1977 Regional Report Surplus Deficit	6902	7029	9753	4867	2876	1379	1980	2430	2024	2905	249	5169	5184	1567
50	1978 Regional Report Surplus Deficit	2082	1732	3148	2361	2301	2716	3772	4651	5085	8543	5830	9519	7483	7236
51	1979 Regional Report Surplus Deficit	5620	5339	7742	4860	3483	1602	2764	3129	5357	3757	4427	9703	6995	3295
52	1980 Regional Report Surplus Deficit	2280	2859	4725	3692	2456	1021	3145	2514	3034	5727	6792	10071	8664	6321
53	1981 Regional Report Surplus Deficit	2852	3500	4914	3599	3457	4433	5234	5357	3970	2794	2600	9124	8723	7449
54	1982 Regional Report Surplus Deficit	6569	6749	5887	4126	4035	2794	4784	5756	8406	8621	5740	9277	8948	8136

Regional Report Surplus Deficit By Water Year

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2019 White Book Report Date: **2/6/2020** *Continued*

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	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Regional Report Surplus Deficit	6748	6958	7976	6139	4261	3524	5216	5671	8116	7579	5307	9200	8455	7796
56	1984 Regional Report Surplus Deficit	6703	6969	6729	4608	6417	3936	5060	5623	7679	7061	7505	9399	9091	7748
57	1985 Regional Report Surplus Deficit	6502	5592	6670	4687	4233	2898	3463	4279	3764	6697	6557	9120	6821	4074
58	1986 Regional Report Surplus Deficit	2457	2872	4937	5055	5028	2972	4416	5722	8577	8635	7469	8937	8205	5738
59	1987 Regional Report Surplus Deficit	4489	3622	4776	3633	3649	2917	2884	2632	4707	3861	3834	9097	6629	2920
60	1988 Regional Report Surplus Deficit	2564	2789	4366	3087	1440	693	396	1555	2321	3149	3012	6458	6775	5510
61	1989 Regional Report Surplus Deficit	3365	3047	4544	3484	2620	2038	1519	903	4991	6060	7762	9046	7097	4807
62	1990 Regional Report Surplus Deficit	2813	2960	4754	3718	3467	3367	4024	5005	5944	6365	7683	8972	8332	6868
63	1991 Regional Report Surplus Deficit	5836	5928	4865	3583	5948	3944	5048	5216	5959	6911	5280	8994	8186	7474
64	1992 Regional Report Surplus Deficit	6576	6459	5021	3560	2789	906	2156	2937	3364	2567	2033	8404	5702	2044
65	1993 Regional Report Surplus Deficit	2137	2452	4025	3165	2151	1164	949	257	3582	3606	1447	9121	7532	6095
66	1994 Regional Report Surplus Deficit	3484	3536	4344	3716	2901	1241	1129	2392	2533	2970	4244	8240	6542	5135
67	1995 Regional Report Surplus Deficit	2852	2666	4464	3437	1640	1344	2942	4935	6443	4488	1535	9444	8657	6930
68	1996 Regional Report Surplus Deficit	5166	3914	5736	5866	6167	5691	6120	6051	8432	9081	8645	9696	8654	7563
69	1997 Regional Report Surplus Deficit	6497	6701	5796	4134	3772	4018	6121	5519	8414	8487	7958	9438	8296	7722
70	1998 Regional Report Surplus Deficit	6554	6896	7928	9195	5620	2963	3678	5366	5111	3832	2732	9785	8937	7213
71	1999 Regional Report Surplus Deficit	6307	6345	4922	3927	2304	3832	5526	5472	8232	6629	7160	9212	9080	7893
72	2000 Regional Report Surplus Deficit	7066	7132	6122	4216	6172	4505	4313	5337	6131	8474	8072	9252	6935	6514
73	2001 Regional Report Surplus Deficit	5728	3714	4680	3811	2485	1156	1529	1996	2434	2879	345	5490	5221	2417
74	2002 Regional Report Surplus Deficit	2438	1885	3205	2302	2058	1811	1366	2548	3326	5494	7205	8657	8475	7400
75	2003 Regional Report Surplus Deficit	4425	4366	4862	3814	2923	1135	1605	3289	5957	4967	4448	7596	8473	4971
76	2004 Regional Report Surplus Deficit	2170	2734	3909	3064	3343	2475	2033	2088	3654	4384	3902	8220	7332	5052
77	2005 Regional Report Surplus Deficit	1979	3656	6126	4440	3144	2801	3280	4877	3462	2591	1957	8336	7180	5782
78	2006 Regional Report Surplus Deficit	3346	3102	4258	3257	3342	2447	4731	5439	5768	8951	7843	9642	8774	6294
79	2007 Regional Report Surplus Deficit	3680	3031	3811	3265	3360	2618	4050	4416	7417	6824	4530	9172	7643	6572
80	2008 Regional Report Surplus Deficit	2924	2811	3525	3146	3060	1479	2171	2970	3797	4294	2462	9142	8967	7460

Ranked Averages

81	**Bottom 10 pct**	**2153**	**2614**	**4254**	**3323**	**2542**	**1956**	**2616**	**3010**	**4021**	**4906**	**3536**	**8494**	**7683**	**5726**
82	**Middle 80 pct**	**4854**	**4600**	**5260**	**4314**	**3481**	**2797**	**3670**	**4313**	**5402**	**5950**	**5338**	**8810**	**8002**	**6235**
83	**Top 10 pct**	**6833**	**6953**	**7316**	**4869**	**4318**	**3309**	**4228**	**4859**	**5563**	**5962**	**4291**	**8137**	**7605**	**6292**

Regional Report Surplus Deficit By Water Year

Operating Year 2024

2019 White Book Report Date: **2/6/2020**

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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	4455	4931	4837	3406	2724	675	928	2155	2008	2961	836	6101	9508	2898
2	1930 Regional Report Surplus Deficit	2821	2763	4561	3156	2049	492	15.0	2176	1926	3458	1320	5889	7113	4909
3	1931 Regional Report Surplus Deficit	3100	3128	4375	3164	2489	557	49.9	1683	1913	3410	387	6152	6122	3910
4	1932 Regional Report Surplus Deficit	2993	2164	4349	2669	1931	561	956	22.8	4697	7344	7935	10764	10340	7008
5	1933 Regional Report Surplus Deficit	4727	4808	5274	3252	2330	2024	3201	5911	5086	5866	4059	9332	10774	8072
6	1934 Regional Report Surplus Deficit	5862	6215	5784	4686	4458	3912	5144	7754	8002	8914	7530	9887	8829	3431
7	1935 Regional Report Surplus Deficit	2650	3481	3780	2902	1533	1210	3163	5623	5083	4297	5008	9591	8519	7065
8	1936 Regional Report Surplus Deficit	5606	4222	4511	3062	2527	507	314	1249	2327	3697	6941	11323	10141	6069
9	1937 Regional Report Surplus Deficit	3112	3554	3962	3278	2327	519	-157	778	1501	3067	530	5839	8682	4291
10	1938 Regional Report Surplus Deficit	3550	2889	4753	3102	2373	1712	2802	5353	6181	7898	8188	10171	9639	7359
11	1939 Regional Report Surplus Deficit	3278	3510	4640	3202	2313	754	2355	3814	3513	4647	5714	9744	8011	5240
12	1940 Regional Report Surplus Deficit	2704	3362	4188	3289	2755	1546	2165	3259	5881	6455	4367	10005	7803	2758
13	1941 Regional Report Surplus Deficit	1865	2224	4142	2965	2336	1322	1638	2413	3015	2962	360	5730	6958	3453
14	1942 Regional Report Surplus Deficit	2355	2212	4370	2588	2913	2491	2807	4784	2165	3261	3297	7819	10203	7544
15	1943 Regional Report Surplus Deficit	4514	5166	5765	3358	1914	1435	3581	6128	6377	9748	8586	10223	10793	8128
16	1944 Regional Report Surplus Deficit	5177	5058	4996	3246	2432	873	1551	2239	1749	3297	-1.35	5389	6259	1904
17	1945 Regional Report Surplus Deficit	2112	1679	3228	2288	1981	531	828	1687	1962	3016	333	8923	10217	3714
18	1946 Regional Report Surplus Deficit	3142	3478	4436	3035	2511	1766	2864	4861	5271	8973	8347	10226	9674	7786
19	1947 Regional Report Surplus Deficit	5560	5567	5592	3158	3522	3380	4286	7139	6877	7690	5737	10701	10015	7367
20	1948 Regional Report Surplus Deficit	4610	4676	5200	7409	4304	2523	4100	6725	5107	6646	7562	10413	10103	7837
21	1949 Regional Report Surplus Deficit	5814	6269	6227	3995	3152	1558	2382	4634	7012	7677	7928	11100	9648	3928
22	1950 Regional Report Surplus Deficit	2426	2815	4224	3031	2432	1694	4064	7208	7571	9209	6957	9620	10928	8308
23	1951 Regional Report Surplus Deficit	5918	6302	6126	5395	4644	3621	5092	8014	8269	9187	7547	10044	9967	7935
24	1952 Regional Report Surplus Deficit	5655	4907	5568	6954	4068	2616	3865	7046	5158	9377	8445	10707	10247	7374
25	1953 Regional Report Surplus Deficit	4590	4483	4152	3236	2002	355	1995	7878	4142	3144	2886	10288	10714	8162
26	1954 Regional Report Surplus Deficit	5130	5407	5560	3866	3462	2203	3802	7494	6205	6838	5704	10125	10209	8171
27	1955 Regional Report Surplus Deficit	6108	6527	8765	4097	3965	1960	2078	3551	1290	3607	1772	8858	10821	8178
28	1956 Regional Report Surplus Deficit	5790	5909	5378	4437	4252	3401	4864	7827	8093	8735	7454	10223	10705	8023
29	1957 Regional Report Surplus Deficit	5723	6122	5729	4393	3129	2407	2754	3700	5979	9010	6077	11086	10631	6481
30	1958 Regional Report Surplus Deficit	5130	4029	4609	3171	2635	1638	3518	6139	4876	5501	6957	10925	10643	5987
31	1959 Regional Report Surplus Deficit	4821	3667	4735	3723	3907	3060	4771	7617	5855	8515	6116	9805	10409	7959
32	1960 Regional Report Surplus Deficit	5805	6351	9431	7868	4548	2766	3486	5845	5370	9933	7295	9725	10251	6993
33	1961 Regional Report Surplus Deficit	5402	4144	4920	3736	3396	1739	3072	6511	7026	7934	4857	10145	10100	6059
34	1962 Regional Report Surplus Deficit	4692	3988	4505	3112	2816	1625	3164	6041	2880	6055	7987	10398	9782	6119
35	1963 Regional Report Surplus Deficit	5149	5071	4876	4867	4049	2860	3442	6322	3189	4440	2447	10120	10494	6847
36	1964 Regional Report Surplus Deficit	4566	4462	5758	3102	2917	1752	2534	4356	2326	5755	3720	10135	10828	8237
37	1965 Regional Report Surplus Deficit	5805	6218	7089	5240	3799	3410	5129	7890	8058	5805	8105	9777	10343	7471
38	1966 Regional Report Surplus Deficit	5810	6207	4974	4244	3219	1958	3110	5358	3282	6913	5152	9106	9628	6768
39	1967 Regional Report Surplus Deficit	4857	4011	4917	3033	2536	2283	4199	7274	6419	6562	2380	9606	10599	7986
40	1968 Regional Report Surplus Deficit	5489	5808	5728	3909	3607	1949	3563	6904	6907	3251	1714	9075	10226	7173
41	1969 Regional Report Surplus Deficit	5514	6121	7795	5541	4322	2568	4581	7469	6748	9046	7957	10568	10339	7490
42	1970 Regional Report Surplus Deficit	4670	3888	4952	4075	3234	1460	3442	6469	4069	3836	2131	10185	10807	6359
43	1971 Regional Report Surplus Deficit	4002	3961	4454	3285	2686	1872	4832	7630	8317	8975	7314	10139	10838	8318
44	1972 Regional Report Surplus Deficit	6038	6552	6228	4555	3546	2324	4558	7640	8629	9250	6881	9769	10336	8126
45	1973 Regional Report Surplus Deficit	5944	6509	6535	4345	3593	2069	3196	5451	2884	3343	33.0	5685	6912	3085
46	1974 Regional Report Surplus Deficit	2472	1478	3932	2911	2446	2655	5497	7741	8205	8613	7369	8997	10652	8312
47	1975 Regional Report Surplus Deficit	6066	6545	6273	3108	2746	1643	3303	5780	6398	4472	3469	10067	10786	8328
48	1976 Regional Report Surplus Deficit	5608	6178	6644	5935	4552	3963	4888	7734	7289	9165	7134	10250	10506	8137
49	1977 Regional Report Surplus Deficit	6205	6729	9971	4472	2861	934	1515	2469	1638	3034	-155	5317	5985	1499
50	1978 Regional Report Surplus Deficit	1923	1553	3000	1744	2291	1857	2957	4945	4681	8973	5737	10269	9179	7458
51	1979 Regional Report Surplus Deficit	5042	5085	7625	4465	3311	1164	2107	3206	4985	3937	4286	10859	8246	3215
52	1980 Regional Report Surplus Deficit	2250	2610	4554	3208	2443	643	2522	2532	2591	5989	6747	11376	10491	6388
53	1981 Regional Report Surplus Deficit	2769	3324	4752	3116	3234	2863	4216	7309	3542	2923	2369	10289	10573	7795
54	1982 Regional Report Surplus Deficit	5764	6223	5726	3657	3589	1964	3790	7885	8784	9065	5655	9811	10798	8355

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
55	1983 Regional Report Surplus Deficit	5948	6542	7851	5688	3816	2416	4195	7712	8332	7934	5199	10342	10365	8134
56	1984 Regional Report Surplus Deficit	5907	6481	6582	4175	4864	2649	4054	7053	7657	7325	7526	10571	10941	8088
57	1985 Regional Report Surplus Deficit	5779	5410	6521	4265	3893	2058	2703	4491	3336	7000	6509	10123	8018	4020
58	1986 Regional Report Surplus Deficit	2451	2557	4780	4648	4136	1993	3489	7624	8942	9131	7470	9933	9977	5733
59	1987 Regional Report Surplus Deficit	4233	3473	4613	3055	3412	2001	2311	2675	4312	4050	3649	10230	8042	2852
60	1988 Regional Report Surplus Deficit	2540	2497	4199	2594	1425	321	401	1557	1899	3278	2796	6604	7982	5528
61	1989 Regional Report Surplus Deficit	3194	2912	4371	2968	2603	1399	1286	941	4607	6235	7785	10054	8388	4764
62	1990 Regional Report Surplus Deficit	2766	2793	4593	3236	3267	2140	3146	6580	5695	6636	7670	10011	10189	7039
63	1991 Regional Report Surplus Deficit	5227	5589	4698	3030	4393	2451	4008	6884	5685	7299	5188	9990	10051	7831
64	1992 Regional Report Surplus Deficit	5773	5952	4852	3002	2765	529	1803	2827	2923	2696	1805	9298	6799	1976
65	1993 Regional Report Surplus Deficit	2069	2264	3859	2693	2104	717	802	325	3149	3790	1166	10354	9307	6140
66	1994 Regional Report Surplus Deficit	3338	3443	4187	3236	2763	754	989	2444	2112	3070	4063	8859	7775	5135
67	1995 Regional Report Surplus Deficit	2746	2464	4291	2966	1609	892	2363	5220	6197	4716	1270	10471	10529	7130
68	1996 Regional Report Surplus Deficit	4805	3822	5575	5395	4563	4178	5384	8137	8750	9482	8509	10275	10577	7905
69	1997 Regional Report Surplus Deficit	5714	6086	5636	3682	3522	2684	5348	7792	8528	8807	7732	9975	10146	8072
70	1998 Regional Report Surplus Deficit	5769	6497	7809	7757	4351	2122	2939	6706	4713	4004	2503	11072	10787	7437
71	1999 Regional Report Surplus Deficit	5611	5965	4753	3408	2257	2580	4545	7503	8456	6944	7131	10127	10930	8205
72	2000 Regional Report Surplus Deficit	6375	6802	5959	3752	4545	2911	3404	5925	5874	8938	8072	10329	7930	6675
73	2001 Regional Report Surplus Deficit	5175	3546	4512	3317	2476	741	1271	1814	2003	3008	-59.0	5631	6022	2352
74	2002 Regional Report Surplus Deficit	2254	1664	3060	1684	2046	1241	1183	2599	2885	5791	7191	9542	10369	7725
75	2003 Regional Report Surplus Deficit	4184	4272	4693	3359	2838	716	1365	3393	5615	5218	4296	8090	10258	4950
76	2004 Regional Report Surplus Deficit	2164	2452	3757	2582	2948	1645	1664	2093	3219	4615	3716	8861	9078	5046
77	2005 Regional Report Surplus Deficit	1985	3558	5990	4047	2953	1754	2443	5464	3030	2720	1719	9063	8824	5806
78	2006 Regional Report Surplus Deficit	3189	2949	4101	2782	3066	1637	3791	7025	5503	9461	7885	10810	10606	6444
79	2007 Regional Report Surplus Deficit	3492	2739	3673	2733	3092	1772	3128	4669	7428	7171	4395	10323	9510	6719
80	2008 Regional Report Surplus Deficit	2888	2496	3398	2701	2844	970	1752	3082	3368	4503	2221	10348	10817	7750

Ranked Averages

81	**Bottom 10 pct**	**2078**	**2251**	**3949**	**2652**	**2388**	**1214**	**1755**	**2757**	**3067**	**4732**	**3371**	**9265**	**9303**	**5716**
82	**Middle 80 pct**	**4430**	**4363**	**5117**	**3799**	**3107**	**1864**	**3020**	**5337**	**5245**	**6279**	**5204**	**9616**	**9688**	**6399**
83	**Top 10 pct**	**6075**	**6563**	**7214**	**4426**	**3714**	**2235**	**3418**	**5818**	**5414**	**6221**	**4102**	**8801**	**9138**	**6495**

Regional Report Surplus Deficit By Water Year

Operating Year 2025

2019 White Book Report Date: **2/6/2020**

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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	4572	4570	4707	3349	2515	555	604	1469	1906	1699	29.5	4872	8379	2841
2	1930 Regional Report Surplus Deficit	2706	2317	4438	3146	1852	379	-221	1494	1825	2146	474	4655	6186	4835
3	1931 Regional Report Surplus Deficit	3057	2650	4255	3179	2294	411	-197	999	1820	2122	-409	4987	5237	3840
4	1932 Regional Report Surplus Deficit	3081	1694	4229	2611	1711	431	645	-628	4534	5923	7038	9602	9048	6896
5	1933 Regional Report Surplus Deficit	4923	4421	5155	3215	2107	1781	2768	5147	4946	4463	3171	8166	9416	8020
6	1934 Regional Report Surplus Deficit	6654	6732	5658	4757	4400	3768	4718	6924	7798	7598	6596	8723	7590	3345
7	1935 Regional Report Surplus Deficit	2488	2982	3653	2891	1282	1043	2730	4867	4905	2966	4090	8566	7521	6959
8	1936 Regional Report Surplus Deficit	6300	3707	4384	3006	2318	385	82.7	575	2221	2324	6049	10133	8848	5979
9	1937 Regional Report Surplus Deficit	2958	3136	3828	3268	2135	377	-388	106	1406	1806	-268	4610	7661	4174
10	1938 Regional Report Surplus Deficit	3501	2472	4632	3053	2154	1514	2379	4606	5962	6603	7313	9007	8482	7230
11	1939 Regional Report Surplus Deficit	3139	3120	4522	3167	2089	652	1956	3100	3394	3272	4802	8727	7011	5140
12	1940 Regional Report Surplus Deficit	2504	2973	4060	3303	2567	1327	1754	2559	5711	5064	3451	8978	6797	2701
13	1941 Regional Report Surplus Deficit	1611	1967	4021	2937	2145	1131	1272	1723	2898	1656	-443	4555	6003	3386
14	1942 Regional Report Surplus Deficit	2378	1723	4252	2534	2726	2229	2380	4050	2072	2016	2391	6753	8874	7440
15	1943 Regional Report Surplus Deficit	4888	4902	5637	3355	1673	1272	3146	5373	6127	8433	7715	9165	9435	8043
16	1944 Regional Report Surplus Deficit	5585	4633	4866	3160	2222	756	1184	1552	1654	2036	-695	4161	5341	1844
17	1945 Regional Report Surplus Deficit	2076	1328	3104	2231	1775	387	555	1015	1873	1754	-400	7903	8887	3638
18	1946 Regional Report Surplus Deficit	3061	3033	4307	2959	2305	1562	2444	4126	5080	7704	7472	9063	8472	7705
19	1947 Regional Report Surplus Deficit	6202	5518	5467	3041	3337	3121	3857	6351	6680	6367	4822	9538	8726	7263
20	1948 Regional Report Surplus Deficit	4825	4173	5071	7294	4123	2262	3669	5946	4937	5205	6685	9251	8741	7715
21	1949 Regional Report Surplus Deficit	6608	6884	6096	4024	2958	1361	1960	3904	6811	6335	7059	9938	8472	3836
22	1950 Regional Report Surplus Deficit	2171	2663	4090	2950	2214	1474	3632	6416	7369	7940	6061	8456	9570	8246
23	1951 Regional Report Surplus Deficit	6708	6755	5996	5470	4456	3365	4667	7185	8100	7869	6598	8881	8721	7838
24	1952 Regional Report Surplus Deficit	6293	4425	5434	6929	3892	2355	3433	6267	4968	8098	7569	9545	8978	7294
25	1953 Regional Report Surplus Deficit	4904	3965	4016	3183	1794	229	1633	7071	4002	1882	2036	9245	9356	8086
26	1954 Regional Report Surplus Deficit	5540	5135	5441	3882	3277	1967	3368	6699	5994	5435	4788	8962	8897	8100
27	1955 Regional Report Surplus Deficit	6821	7535	8321	4131	3789	1716	1692	2839	1195	2305	905	7839	9462	8124
28	1956 Regional Report Surplus Deficit	6571	5933	5254	4491	4073	3144	4438	6997	7926	7417	6579	9060	9347	7966
29	1957 Regional Report Surplus Deficit	6431	6410	5604	4444	2933	2163	2327	2990	5783	7693	5166	9923	9273	6379
30	1958 Regional Report Surplus Deficit	5481	3536	4486	3112	2429	1448	3085	5387	4732	4139	6058	9764	9272	5855
31	1959 Regional Report Surplus Deficit	5080	3156	4613	3738	3730	2793	4345	6787	5652	7172	5204	8641	9108	7905
32	1960 Regional Report Surplus Deficit	6566	6956	8878	7691	4490	2499	3052	5090	5202	8654	6374	8704	8947	6848
33	1961 Regional Report Surplus Deficit	5943	3641	4793	3748	3209	1526	2639	5746	6860	6582	3939	8980	8738	5960
34	1962 Regional Report Surplus Deficit	4957	3472	4379	3028	2613	1417	2732	5280	2761	4643	7111	9323	8593	6023
35	1963 Regional Report Surplus Deficit	5583	4654	4750	4940	3873	2593	3008	5563	3075	3088	1570	9100	9142	6744
36	1964 Regional Report Surplus Deficit	4861	3948	5635	3025	2715	1540	2124	3631	2223	4395	2812	8970	9469	8184
37	1965 Regional Report Surplus Deficit	6575	6694	6920	5314	3622	3158	4702	7060	7884	4357	7230	8614	9036	7384
38	1966 Regional Report Surplus Deficit	6562	6528	4837	4300	3029	1728	2681	4611	3157	5502	4233	8087	8347	6650
39	1967 Regional Report Surplus Deficit	5208	3507	4791	2979	2321	2037	3769	6475	6200	5181	1591	8441	9240	7891
40	1968 Regional Report Surplus Deficit	6064	5780	5608	3943	3426	1719	3129	6131	6705	1981	856	8055	8956	7090
41	1969 Regional Report Surplus Deficit	6154	6456	7496	5606	4140	2306	4155	6640	6574	7728	7082	9406	9101	7377
42	1970 Regional Report Surplus Deficit	4877	3411	4825	4109	3044	1285	3010	5701	3945	2538	1262	9142	9448	6288
43	1971 Regional Report Surplus Deficit	4013	3466	4322	3250	2480	1655	4407	6801	8082	7705	6385	8977	9479	8243
44	1972 Regional Report Surplus Deficit	6829	7377	6100	4610	3356	2085	4131	6810	8510	7934	5888	8608	8978	8061
45	1973 Regional Report Surplus Deficit	6738	7470	6402	4395	3407	1852	2767	4704	2763	2081	-661	4457	5914	2994
46	1974 Regional Report Surplus Deficit	2456	1183	3806	2877	2224	2392	5065	6912	8087	7295	6494	7835	9293	8286
47	1975 Regional Report Surplus Deficit	6855	7507	6144	2989	2534	1466	2873	5029	6208	3105	2562	8902	9427	8272
48	1976 Regional Report Surplus Deficit	6190	6278	6497	5997	4365	3754	4462	6904	7121	7848	6252	9088	9212	8073
49	1977 Regional Report Surplus Deficit	6908	7684	9327	4530	2656	789	1128	1777	1543	1773	-849	4123	5066	1441
50	1978 Regional Report Surplus Deficit	1884	1174	2859	1618	2077	1640	2530	4208	4554	7705	4821	9104	8077	7354
51	1979 Regional Report Surplus Deficit	5492	4784	7352	4535	3123	1022	1697	2506	4861	2593	3383	9779	7273	3134
52	1980 Regional Report Surplus Deficit	2055	2349	4431	3187	2236	548	2114	1845	2494	4646	5848	10181	9165	6309
53	1981 Regional Report Surplus Deficit	2639	2940	4623	3094	3049	2596	3788	6515	3406	1661	1500	9201	9215	7709
54	1982 Regional Report Surplus Deficit	6552	6808	5603	3649	3409	1746	3356	7056	8666	7788	4740	8649	9440	8322

Regional Report Surplus Deficit By Water Year

Operating Year 2025

2019 White Book Report Date: **2/6/2020** *Continued*

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	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Regional Report Surplus Deficit	6719	7369	7578	5758	3636	2172	3762	6915	8145	6582	4280	9178	9079	8062
56	1984 Regional Report Surplus Deficit	6670	7129	6448	4203	4669	2392	3620	6276	7416	5883	6661	9485	9583	8017
57	1985 Regional Report Surplus Deficit	6432	5051	6389	4289	3711	1836	2283	3764	3211	5622	5608	9085	7059	3943
58	1986 Regional Report Surplus Deficit	2197	2405	4643	4711	3960	1757	3056	6832	8784	7863	6596	8896	8764	5650
59	1987 Regional Report Surplus Deficit	4310	3045	4481	2949	3227	1772	1911	1982	4147	2709	2712	9112	6977	2794
60	1988 Regional Report Surplus Deficit	2339	2307	4071	2560	1217	236	151	876	1802	2017	1914	5408	7009	5461
61	1989 Regional Report Surplus Deficit	3169	2460	4250	2917	2398	1203	951	280	4473	4819	6903	9015	7404	4687
62	1990 Regional Report Surplus Deficit	2593	2394	4459	3217	3081	1886	2716	5799	5528	5187	6729	8896	8877	6869
63	1991 Regional Report Surplus Deficit	5732	5498	4571	2946	4198	2185	3578	6100	5468	5879	4271	8825	8736	7741
64	1992 Regional Report Surplus Deficit	6551	6088	4728	2921	2563	440	1416	2131	2809	1435	930	8275	5860	1918
65	1993 Regional Report Surplus Deficit	1921	1899	3731	2676	1906	571	494	-333	3034	2465	339	9241	8170	6029
66	1994 Regional Report Surplus Deficit	3285	2925	4049	3214	2573	593	682	1749	2006	1813	3154	7828	6799	5052
67	1995 Regional Report Surplus Deficit	2643	2123	4169	2954	1386	743	1961	4485	6007	3370	427	9428	9153	7024
68	1996 Regional Report Surplus Deficit	5007	3303	5451	5465	4506	4059	4956	7308	8632	8164	7633	9111	9190	7840
69	1997 Regional Report Surplus Deficit	6454	6358	5510	3676	3337	2425	4921	6954	8410	7491	6858	8813	8787	7988
70	1998 Regional Report Surplus Deficit	6513	7373	7548	7609	4171	1901	2521	5932	4563	2671	1630	9875	9428	7328
71	1999 Regional Report Surplus Deficit	6227	5890	4627	3352	2029	2325	4118	6673	8278	5557	6240	8963	9572	8144
72	2000 Regional Report Surplus Deficit	7094	7840	5838	3751	4426	2643	2972	5171	5695	7662	7186	9258	7002	6565
73	2001 Regional Report Surplus Deficit	5611	3149	4386	3285	2266	610	896	1131	1913	1746	-753	4403	5103	2279
74	2002 Regional Report Surplus Deficit	2244	1355	2918	1558	1833	1057	862	1904	2767	4331	6309	8520	8972	7621
75	2003 Regional Report Surplus Deficit	4243	3757	4568	3368	2644	583	1027	2684	5431	3853	3380	7032	8961	4857
76	2004 Regional Report Surplus Deficit	1909	2246	3619	2563	2767	1424	1294	1410	3102	3273	2797	7833	7955	4966
77	2005 Regional Report Surplus Deficit	1746	3047	5845	4111	2766	1515	2016	4709	2917	1459	853	8043	7742	5740
78	2006 Regional Report Surplus Deficit	3148	2526	3964	2757	2883	1416	3357	6243	5357	8181	6955	9648	9292	6336
79	2007 Regional Report Surplus Deficit	3475	2506	3527	2664	2906	1549	2695	3936	7209	5825	3478	9202	8241	6612
80	2008 Regional Report Surplus Deficit	2701	2344	3245	2712	2658	802	1371	2376	3260	3159	1357	9249	9459	7652

Ranked Averages

81	**Bottom 10 pct**	**1922**	**2084**	**3963**	**2784**	**2236**	**1086**	**1738**	**2624**	**3530**	**3862**	**2484**	**8165**	**8196**	**5709**
82	**Middle 80 pct**	**4718**	**4136**	**4956**	**3758**	**2910**	**1657**	**2577**	**4512**	**5018**	**4891**	**4328**	**8491**	**8447**	**6303**
83	**Top 10 pct**	**6834**	**7442**	**6963**	**4454**	**3533**	**2011**	**2999**	**5054**	**5270**	**4914**	**3239**	**7656**	**7956**	**6420**

Regional Report Surplus Deficit By Water Year

Operating Year 2026

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Regional Report Surplus Deficit	4445	4393	4532	3203	2359	-191	-325	522	989	1448	-162	5389	8578	1915
2	1930 Regional Report Surplus Deficit	2603	2171	4263	3000	1695	-367	-1149	546	908	1906	282	5159	6418	3921
3	1931 Regional Report Surplus Deficit	2939	2503	4080	3032	2138	-335	-1126	51.7	894	1874	-600	5456	5424	2922
4	1932 Regional Report Surplus Deficit	2953	1547	4055	2465	1554	-315	-284	-1575	3664	5783	6886	10127	9267	6016
5	1933 Regional Report Surplus Deficit	4799	4246	4987	3068	1951	1035	1839	4199	4049	4280	2953	8691	9614	7095
6	1934 Regional Report Surplus Deficit	6622	6517	5489	4611	4244	3023	3789	5995	6944	7363	6477	9247	7833	2445
7	1935 Regional Report Surplus Deficit	2398	2832	3466	2745	1126	297	1801	3920	4045	2724	3898	9083	7719	6073
8	1936 Regional Report Surplus Deficit	6258	3554	4202	2860	2161	-361	-846	-373	1308	2147	5857	10650	9101	5078
9	1937 Regional Report Surplus Deficit	2866	2993	3628	3122	1979	-368	-1317	-842	483	1554	-459	5127	7859	3304
10	1938 Regional Report Surplus Deficit	3384	2329	4460	2907	1997	769	1451	3658	5138	6352	7139	9533	8681	6367
11	1939 Regional Report Surplus Deficit	3042	2978	4353	3021	1933	-93.3	1028	2152	2490	3066	4607	9242	7251	4252
12	1940 Regional Report Surplus Deficit	2429	2831	3872	3156	2410	581	825	1612	4842	4874	3259	9495	7029	1775
13	1941 Regional Report Surplus Deficit	1550	1830	3844	2790	1989	385	343	776	1991	1421	-635	5019	6211	2466
14	1942 Regional Report Surplus Deficit	2253	1574	4083	2388	2570	1483	1452	3102	1146	1744	2200	7269	9110	6554
15	1943 Regional Report Surplus Deficit	4784	4719	5463	3209	1516	527	2218	4425	5332	8200	7539	9682	9634	7154
16	1944 Regional Report Surplus Deficit	5487	4462	4692	3014	2065	10.4	255	605	731	1784	-887	4677	5539	918
17	1945 Regional Report Surplus Deficit	1957	1188	2925	2084	1619	-359	-374	67.7	944	1503	-591	8420	9146	2728
18	1946 Regional Report Surplus Deficit	2950	2888	4126	2812	2148	816	1516	3178	4235	7453	7298	9588	8705	6796
19	1947 Regional Report Surplus Deficit	6140	5329	5299	2894	3180	2376	2929	5404	5828	6135	4631	10063	8979	6376
20	1948 Regional Report Surplus Deficit	4702	4011	4902	7148	3967	1517	2740	4998	4071	5070	6494	9776	8943	6848
21	1949 Regional Report Surplus Deficit	6572	6667	5921	3878	2802	615	1031	2957	5962	6124	6867	10463	8696	2941
22	1950 Regional Report Surplus Deficit	2110	2525	3898	2804	2057	728	2703	5469	6518	7689	5869	8980	9768	7351
23	1951 Regional Report Surplus Deficit	6677	6541	5825	5324	4300	2620	3738	6255	7211	7636	6476	9406	8965	6953
24	1952 Regional Report Surplus Deficit	6240	4259	5266	6783	3736	1610	2504	5319	4123	7856	7396	10070	9194	6382
25	1953 Regional Report Surplus Deficit	4791	3810	3814	3037	1638	-517	704	6124	3114	1631	1809	9762	9554	7183
26	1954 Regional Report Surplus Deficit	5441	4953	5272	3735	3120	1222	2439	5751	5160	5258	4596	9487	9109	7207
27	1955 Regional Report Surplus Deficit	6713	7327	8089	3985	3633	971	764	1891	272	2071	714	8356	9661	7217
28	1956 Regional Report Surplus Deficit	6542	5735	5085	4344	3917	2398	3510	6067	7049	7184	6405	9586	9545	7036
29	1957 Regional Report Surplus Deficit	6393	6202	5436	4298	2776	1417	1399	2043	4939	7486	4975	10448	9472	5490
30	1958 Regional Report Surplus Deficit	5373	3387	4308	2966	2272	703	2156	4440	3842	3912	5867	10289	9517	4997
31	1959 Regional Report Surplus Deficit	4961	3004	4439	3591	3574	2047	3417	5857	4814	6981	5013	9166	9281	6980
32	1960 Regional Report Surplus Deficit	6536	6739	8658	7545	4334	1753	2124	4143	4334	8402	6222	9220	9186	6001
33	1961 Regional Report Surplus Deficit	5869	3490	4621	3602	3053	780	1710	4799	5976	6392	3747	9505	8958	5068
34	1962 Regional Report Surplus Deficit	4839	3313	4201	2882	2456	672	1803	4332	1858	4466	6940	9840	8792	5129
35	1963 Regional Report Surplus Deficit	5488	4482	4575	4794	3717	1847	2080	4616	2166	2870	1378	9616	9402	5856
36	1964 Regional Report Surplus Deficit	4746	3789	5465	2879	2559	795	1195	2683	1307	4165	2624	9495	9668	7268
37	1965 Regional Report Surplus Deficit	6546	6480	6727	5168	3466	2412	3773	6131	7000	4216	7056	9139	9233	6479
38	1966 Regional Report Surplus Deficit	6532	6319	4666	4154	2872	982	1752	3664	2259	5332	4042	8604	8647	5776
39	1967 Regional Report Surplus Deficit	5101	3357	4619	2833	2164	1291	2840	5527	5372	4980	1305	8965	9439	7002
40	1968 Regional Report Surplus Deficit	5998	5584	5438	3797	3270	973	2201	5183	5858	1718	665	8572	9143	6182
41	1969 Regional Report Surplus Deficit	6101	6246	7282	5460	3983	1561	3227	5710	5698	7495	6908	9932	9281	6499
42	1970 Regional Report Surplus Deficit	4754	3264	4652	3963	2888	540	2082	4754	3042	2293	1070	9658	9647	5368
43	1971 Regional Report Surplus Deficit	3889	3316	4135	3104	2324	909	3478	5872	7259	7453	6246	9502	9678	7340
44	1972 Regional Report Surplus Deficit	6797	7156	5929	4463	3199	1340	3202	5881	7605	7700	5794	9133	9177	7150
45	1973 Regional Report Surplus Deficit	6702	7250	6225	4249	3251	1107	1838	3757	1862	1830	-852	4973	6156	2098
46	1974 Regional Report Surplus Deficit	2335	1045	3626	2731	2067	1646	4136	5982	7181	7062	6320	8360	9492	7358
47	1975 Regional Report Surplus Deficit	6807	7287	5969	2843	2377	721	1944	4081	5354	2894	2371	9427	9626	7364
48	1976 Regional Report Surplus Deficit	6126	6077	6316	5850	4209	3009	3533	5975	6235	7614	6060	9613	9422	7162
49	1977 Regional Report Surplus Deficit	6793	7482	9155	4384	2500	43.6	199	830	620	1521	-1040	4602	5265	515
50	1978 Regional Report Surplus Deficit	1766	1033	2645	1472	1920	895	1601	3260	3649	7453	4629	9629	8274	6467
51	1979 Regional Report Surplus Deficit	5389	4609	7144	4389	2966	276	768	1559	3952	2378	3180	10296	7472	2229
52	1980 Regional Report Surplus Deficit	1978	2211	4256	3041	2080	-197	1185	897	1572	4403	5656	10702	9389	5398
53	1981 Regional Report Surplus Deficit	2540	2799	4455	2947	2892	1850	2859	5568	2517	1410	1296	9717	9413	6810
54	1982 Regional Report Surplus Deficit	6522	6592	5433	3502	3253	1000	2427	6126	7761	7545	4548	9174	9638	7402

Regional Report Surplus Deficit By Water Year

Operating Year 2026

2019 White Book Report Date: **2/6/2020** *Continued*

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	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Regional Report Surplus Deficit	6690	7148	7369	5612	3480	1426	2834	5967	7274	6382	4089	9703	9287	7157
56	1984 Regional Report Surplus Deficit	6640	6911	6270	4057	4513	1647	2691	5329	6605	5754	6470	10002	9781	7106
57	1985 Regional Report Surplus Deficit	6382	4874	6212	4143	3554	1090	1354	2817	2312	5425	5417	9601	7258	3034
58	1986 Regional Report Surplus Deficit	2136	2266	4469	4565	3804	1012	2127	5885	7883	7611	6405	9412	8935	4744
59	1987 Regional Report Surplus Deficit	4183	2901	4299	2802	3071	1026	982	1035	3283	2483	2551	9674	7229	1868
60	1988 Regional Report Surplus Deficit	2264	2172	3888	2414	1061	-509	-777	-71.5	881	1766	1714	5903	7214	4539
61	1989 Regional Report Surplus Deficit	3049	2314	4074	2771	2241	458	21.7	-668	3576	4647	6736	9532	7603	3777
62	1990 Regional Report Surplus Deficit	2507	2252	4281	3071	2924	1141	1787	4852	4654	5052	6607	9420	9136	6047
63	1991 Regional Report Surplus Deficit	5651	5306	4394	2799	4042	1440	2650	5152	4643	5735	4080	9350	8995	6851
64	1992 Regional Report Surplus Deficit	6522	5885	4555	2775	2406	-305	487	1184	1901	1183	739	8792	6058	992
65	1993 Regional Report Surplus Deficit	1826	1758	3542	2530	1749	-175	-435	-1281	2126	2230	147	9758	8369	5150
66	1994 Regional Report Surplus Deficit	3168	2771	3870	3067	2417	-152	-246	801	1093	1559	2959	8345	7005	4146
67	1995 Regional Report Surplus Deficit	2537	1983	3992	2808	1230	-2.40	1032	3537	5154	3132	235	9944	9432	6138
68	1996 Regional Report Surplus Deficit	4884	3147	5282	5319	4349	3313	4027	6379	7727	7930	7459	9637	9456	6925
69	1997 Regional Report Surplus Deficit	6421	6150	5341	3530	3181	1679	3992	6007	7505	7256	6683	9338	8986	7099
70	1998 Regional Report Surplus Deficit	6481	7152	7342	7463	4015	1156	1592	4985	3682	2446	1438	10389	9627	6445
71	1999 Regional Report Surplus Deficit	6169	5696	4448	3206	1873	1580	3189	5743	7433	5376	6048	9487	9770	7234
72	2000 Regional Report Surplus Deficit	6990	7626	5668	3605	4269	1898	2043	4224	4834	7410	7021	9787	7207	5684
73	2001 Regional Report Surplus Deficit	5517	3007	4205	3139	2110	-135	-32.8	183	984	1495	-944	4919	5302	1366
74	2002 Regional Report Surplus Deficit	2123	1216	2701	1412	1677	312	-66.5	957	1864	4202	6118	9036	9243	6738
75	2003 Regional Report Surplus Deficit	4116	3598	4393	3221	2488	-162	98.6	1736	4576	3630	3188	7549	9177	3962
76	2004 Regional Report Surplus Deficit	1848	2109	3410	2417	2611	679	365	463	2196	3030	2615	8349	8154	4057
77	2005 Regional Report Surplus Deficit	1690	2894	5668	3964	2609	769	1087	3762	2006	1208	661	8560	7940	4817
78	2006 Regional Report Surplus Deficit	3030	2383	3771	2611	2727	671	2429	5296	4464	7930	6835	10173	9494	5453
79	2007 Regional Report Surplus Deficit	3364	2367	3300	2517	2750	804	1766	2989	6376	5607	3287	9759	8515	5727
80	2008 Regional Report Surplus Deficit	2621	2205	3004	2565	2502	56.7	442	1429	2343	2929	1165	9765	9657	6761

Ranked Averages

81	**Bottom 10 pct**	**1841**	**1944**	**3773**	**2638**	**2079**	**341**	**809**	**1677**	**2625**	**3617**	**2294**	**8677**	**8406**	**4804**
82	**Middle 80 pct**	**4632**	**3968**	**4775**	**3612**	**2754**	**911**	**1648**	**3567**	**4138**	**4674**	**4143**	**9012**	**8663**	**5405**
83	**Top 10 pct**	**6771**	**7227**	**6779**	**4308**	**3376**	**1266**	**2070**	**4111**	**4379**	**4681**	**3071**	**8173**	**8168**	**5517**

Regional Report Surplus Deficit By Water Year

Operating Year 2027

2019 White Book Report Date: **2/6/2020**

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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	3512	3463	3635	2313	1521	-455	-484	390	885	1816	-189	4141	7330	1817
2	1930 Regional Report Surplus Deficit	1670	1241	3365	2109	857	-632	-1308	415	803	2263	256	3924	5136	3811
3	1931 Regional Report Surplus Deficit	2007	1572	3183	2142	1300	-600	-1285	-79.7	798	2239	-627	4255	4187	2816
4	1932 Regional Report Surplus Deficit	2021	617	3157	1575	717	-580	-443	-1707	3513	6040	6820	8878	7998	5872
5	1933 Regional Report Surplus Deficit	3866	3316	4089	2178	1113	770	1680	4068	3924	4580	2953	7441	8366	6996
6	1934 Regional Report Surplus Deficit	5689	5587	4591	3721	3406	2758	3630	5862	6776	7732	6378	7998	6541	2321
7	1935 Regional Report Surplus Deficit	1465	1901	2568	1855	288	32.4	1642	3789	3884	3083	3871	7834	6471	5935
8	1936 Regional Report Surplus Deficit	5325	2623	3305	1970	1324	-625	-1005	-504	1199	2441	5831	9402	7799	4955
9	1937 Regional Report Surplus Deficit	1933	2063	2730	2232	1141	-633	-1476	-973	384	1923	-486	3879	6611	3150
10	1938 Regional Report Surplus Deficit	2451	1399	3562	2017	1159	504	1292	3527	4940	6720	7112	8283	7433	6206
11	1939 Regional Report Surplus Deficit	2109	2048	3455	2131	1095	-358	869	2021	2373	3389	4584	7995	5962	4116
12	1940 Regional Report Surplus Deficit	1496	1901	2975	2266	1572	316	666	1480	4690	5181	3233	8247	5747	1677
13	1941 Regional Report Surplus Deficit	617	899	2947	1900	1151	120	184	645	1876	1773	-661	3823	4953	2362
14	1942 Regional Report Surplus Deficit	1320	644	3186	1498	1732	1219	1293	2971	1050	2133	2173	6021	7825	6416
15	1943 Regional Report Surplus Deficit	3852	3789	4565	2319	679	262	2059	4294	5105	8567	7497	8434	8385	7019
16	1944 Regional Report Surplus Deficit	4554	3531	3794	2124	1228	-254	95.8	473	632	2153	-913	3429	4291	820
17	1945 Regional Report Surplus Deficit	1025	258	2027	1194	781	-624	-533	-63.7	852	1871	-618	7172	7837	2614
18	1946 Regional Report Surplus Deficit	2017	1958	3228	1922	1311	551	1357	3047	4058	7821	7271	8338	7423	6681
19	1947 Regional Report Surplus Deficit	5207	4399	4401	2004	2342	2111	2770	5272	5658	6484	4604	8814	7677	6239
20	1948 Regional Report Surplus Deficit	3769	3081	4005	6258	3129	1252	2581	4867	3916	5322	6467	8527	7692	6690
21	1949 Regional Report Surplus Deficit	5640	5736	5023	2988	1964	350	872	2825	5789	6452	6841	9213	7423	2812
22	1950 Regional Report Surplus Deficit	1178	1595	3001	1914	1219	463	2544	5337	6347	8057	5843	7732	8520	7222
23	1951 Regional Report Surplus Deficit	5744	5611	4928	4434	3462	2355	3579	6123	7078	8003	6380	8157	7672	6814
24	1952 Regional Report Surplus Deficit	5307	3329	4368	5893	2898	1345	2345	5188	3946	8224	7368	8820	7929	6270
25	1953 Regional Report Surplus Deficit	3858	2879	2916	2147	800	-782	545	5992	2980	1999	1818	8513	8306	7061
26	1954 Regional Report Surplus Deficit	4509	4022	4375	2845	2283	957	2280	5620	4972	5552	4570	8238	7847	7076
27	1955 Regional Report Surplus Deficit	5780	6396	7192	3095	2795	706	605	1760	173	2422	687	7108	8413	7100
28	1956 Regional Report Surplus Deficit	5609	4804	4188	3454	3079	2133	3351	5935	6904	7551	6378	8336	8297	6942
29	1957 Regional Report Surplus Deficit	5460	5271	4538	3407	1938	1152	1240	1912	4761	7809	4948	9199	8223	5355
30	1958 Regional Report Surplus Deficit	4440	2457	3411	2076	1434	438	1997	4308	3710	4256	5840	9040	8223	4830
31	1959 Regional Report Surplus Deficit	4028	2073	3542	2701	2736	1783	3258	5725	4631	7289	4986	7917	8058	6881
32	1960 Regional Report Surplus Deficit	5603	5808	7761	6655	3496	1489	1965	4011	4180	8771	6156	7972	7898	5823
33	1961 Regional Report Surplus Deficit	4936	2560	3724	2712	2215	515	1551	4667	5838	6699	3721	8256	7688	4935
34	1962 Regional Report Surplus Deficit	3906	2383	3303	1992	1619	407	1644	4201	1740	4760	6893	8591	7543	4999
35	1963 Regional Report Surplus Deficit	4556	3551	3677	3904	2879	1582	1921	4485	2053	3205	1352	8368	8093	5720
36	1964 Regional Report Surplus Deficit	3813	2858	4567	1989	1721	530	1036	2552	1201	4512	2594	8245	8420	7160
37	1965 Regional Report Surplus Deficit	5613	5550	5830	4278	2628	2148	3614	5998	6862	4474	7029	7890	7987	6360
38	1966 Regional Report Surplus Deficit	5599	5388	3769	3264	2034	717	1593	3533	2136	5619	4015	7356	7298	5626
39	1967 Regional Report Surplus Deficit	4168	2426	3721	1942	1326	1027	2681	5396	5178	5298	1373	7717	8191	6867
40	1968 Regional Report Surplus Deficit	5065	4654	4540	2907	2432	709	2042	5052	5684	2098	638	7323	7907	6066
41	1969 Regional Report Surplus Deficit	5168	5316	6384	4570	3146	1296	3068	5578	5553	7862	6881	8681	8052	6353
42	1970 Regional Report Surplus Deficit	3821	2333	3755	3073	2050	275	1923	4623	2924	2655	1044	8410	8399	5263
43	1971 Regional Report Surplus Deficit	2956	2386	3238	2214	1486	644	3319	5739	7060	7822	6167	8252	8430	7219
44	1972 Regional Report Surplus Deficit	5865	6226	5031	3573	2362	1075	3043	5749	7505	8068	5670	7884	7928	7037
45	1973 Regional Report Surplus Deficit	5769	6319	5327	3359	2413	842	1679	3625	1741	2198	-879	3725	4864	1970
46	1974 Regional Report Surplus Deficit	1402	114	2728	1841	1230	1381	3977	5850	7082	7429	6293	7110	8244	7262
47	1975 Regional Report Surplus Deficit	5874	6357	5072	1953	1540	456	1785	3950	5186	3222	2344	8178	8378	7248
48	1976 Regional Report Surplus Deficit	5193	5146	5418	4960	3371	2744	3374	5842	6099	7981	6033	8364	8162	7049
49	1977 Regional Report Surplus Deficit	5860	6552	8257	3494	1662	-221	40.5	698	521	1890	-1067	3391	4017	417
50	1978 Regional Report Surplus Deficit	833	102	1747	582	1083	630	1442	3129	3532	7821	4603	8379	7027	6330
51	1979 Regional Report Surplus Deficit	4456	3679	6246	3499	2129	11.3	609	1428	3839	2710	3165	9047	6224	2109
52	1980 Regional Report Surplus Deficit	1045	1281	3358	2151	1242	-462	1026	766	1472	4763	5630	9450	8116	5285
53	1981 Regional Report Surplus Deficit	1607	1868	3557	2057	2054	1586	2700	5436	2384	1778	1282	8469	8165	6685
54	1982 Regional Report Surplus Deficit	5589	5661	4535	2612	2415	735	2268	5994	7661	7904	4522	7925	8390	7298

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
55	1983 Regional Report Surplus Deficit	5757	6218	6471	4722	2642	1161	2675	5836	7123	6699	4062	8453	8029	7038
56	1984 Regional Report Surplus Deficit	5707	5981	5373	3166	3675	1382	2532	5198	6395	6000	6443	8753	8533	6993
57	1985 Regional Report Surplus Deficit	5449	3944	5315	3253	2717	825	1195	2685	2189	5738	5390	8353	6010	2919
58	1986 Regional Report Surplus Deficit	1203	1336	3571	3675	2966	747	1968	5753	7763	7980	6378	8164	7715	4626
59	1987 Regional Report Surplus Deficit	3250	1970	3402	1912	2233	762	823	903	3126	2826	2494	8380	5928	1770
60	1988 Regional Report Surplus Deficit	1331	1241	2990	1524	223	-774	-936	-203	781	2134	1696	4676	5960	4437
61	1989 Regional Report Surplus Deficit	2117	1384	3176	1880	1404	193	-137	-799	3452	4936	6685	8283	6355	3663
62	1990 Regional Report Surplus Deficit	1574	1322	3383	2181	2087	876	1628	4721	4507	5304	6511	8172	7828	5845
63	1991 Regional Report Surplus Deficit	4719	4375	3496	1909	3204	1175	2491	5021	4446	5996	4053	8100	7687	6717
64	1992 Regional Report Surplus Deficit	5589	4955	3657	1885	1569	-570	328	1053	1787	1552	712	7543	4810	894
65	1993 Regional Report Surplus Deficit	894	828	2645	1640	911	-439	-594	-1412	2012	2582	121	8510	7121	5005
66	1994 Regional Report Surplus Deficit	2235	1840	2973	2177	1579	-417	-405	670	985	1930	2936	7097	5749	4028
67	1995 Regional Report Surplus Deficit	1604	1052	3094	1918	392	-267	873	3406	4986	3487	209	8696	8104	6000
68	1996 Regional Report Surplus Deficit	3951	2216	4384	4428	3511	3048	3868	6246	7627	8298	7432	8387	8141	6816
69	1997 Regional Report Surplus Deficit	5488	5220	4444	2640	2343	1414	3833	5875	7405	7625	6656	8088	7738	6964
70	1998 Regional Report Surplus Deficit	5548	6222	6445	6573	3177	891	1433	4854	3541	2788	1412	9144	8379	6304
71	1999 Regional Report Surplus Deficit	5236	4766	3551	2316	1035	1315	3030	5611	7256	5674	6022	8238	8522	7120
72	2000 Regional Report Surplus Deficit	6057	6696	4771	2714	3432	1633	1884	4092	4673	7779	6968	8526	5953	5541
73	2001 Regional Report Surplus Deficit	4584	2077	3308	2249	1272	-400	-192	52.1	891	1863	-971	3671	4054	1254
74	2002 Regional Report Surplus Deficit	1190	286	1803	522	839	46.8	-225	825	1745	4448	6091	7788	7922	6597
75	2003 Regional Report Surplus Deficit	3184	2668	3495	2331	1650	-427	-60.3	1605	4410	3970	3162	6301	7911	3833
76	2004 Regional Report Surplus Deficit	916	1179	2512	1527	1773	414	206	332	2080	3390	2579	7101	6906	3942
77	2005 Regional Report Surplus Deficit	757	1964	4770	3074	1771	504	928	3630	1895	1576	634	7312	6692	4716
78	2006 Regional Report Surplus Deficit	2097	1452	2873	1721	1889	406	2270	5165	4335	8298	6737	8924	8243	5311
79	2007 Regional Report Surplus Deficit	2431	1437	2402	1627	1912	539	1607	2857	6188	5942	3260	8471	7192	5588
80	2008 Regional Report Surplus Deficit	1688	1275	2106	1675	1664	-208	283	1297	2239	3276	1138	8517	8409	6628

Ranked Averages

81	**Bottom 10 pct**	**908**	**1013**	**2876**	**1748**	**1241**	**75.8**	**650**	**1545**	**2508**	**3979**	**2266**	**7435**	**7147**	**4684**
82	**Middle 80 pct**	**3699**	**3038**	**3877**	**2722**	**1916**	**646**	**1489**	**3436**	**3997**	**5010**	**4112**	**7763**	**7398**	**5279**
83	**Top 10 pct**	**5838**	**6297**	**5881**	**3418**	**2538**	**1001**	**1911**	**3979**	**4250**	**5035**	**3021**	**6928**	**6907**	**5396**

Regional Report Surplus Deficit By Water Year

Operating Year 2028

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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	3391	3341	3518	2170	1461	-596	-625	843	758	655	-1108	5192	8362	1587
2	1930 Regional Report Surplus Deficit	1549	1119	3248	1967	797	-773	-1450	867	676	1113	-663	4962	6202	3593
3	1931 Regional Report Surplus Deficit	1886	1450	3065	1999	1240	-741	-1427	372	663	1081	-1546	5259	5208	2595
4	1932 Regional Report Surplus Deficit	1900	495	3040	1432	657	-721	-585	-1255	3432	4990	5940	9928	9051	5688
5	1933 Regional Report Surplus Deficit	3745	3194	3972	2035	1053	629	1538	4520	3817	3487	2008	8492	9399	6767
6	1934 Regional Report Surplus Deficit	5569	5464	4474	3578	3346	2617	3489	6314	6713	6568	5531	9048	7617	2117
7	1935 Regional Report Surplus Deficit	1345	1779	2451	1712	228	-109	1500	4241	3813	1931	2952	8886	7504	5746
8	1936 Regional Report Surplus Deficit	5205	2501	3187	1827	1264	-766	-1147	-52.0	1076	1354	4912	10452	8885	4751
9	1937 Regional Report Surplus Deficit	1812	1941	2613	2089	1081	-774	-1618	-521	251	761	-1405	4930	7643	2976
10	1938 Regional Report Surplus Deficit	2331	1277	3445	1874	1099	363	1150	3979	4907	5558	6191	9333	8465	6039
11	1939 Regional Report Surplus Deficit	1988	1926	3338	1988	1035	-499	727	2473	2258	2273	3662	9045	7035	3924
12	1940 Regional Report Surplus Deficit	1375	1779	2858	2123	1512	175	525	1932	4610	4081	2314	9298	6813	1447
13	1941 Regional Report Surplus Deficit	496	777	2830	1757	1091	-20.9	42.3	1097	1760	628	-1580	4822	5995	2138
14	1942 Regional Report Surplus Deficit	1199	522	3068	1355	1672	1078	1151	3423	914	951	1254	7072	8894	6227
15	1943 Regional Report Surplus Deficit	3731	3667	4448	2176	618	121	1917	4746	5100	7405	6594	9485	9418	6826
16	1944 Regional Report Surplus Deficit	4433	3409	3677	1981	1167	-395	-46.0	925	500	991	-1832	4480	5323	590
17	1945 Regional Report Surplus Deficit	904	136	1910	1051	721	-765	-675	388	712	710	-1537	8223	8930	2400
18	1946 Regional Report Surplus Deficit	1896	1836	3111	1779	1250	410	1215	3499	4004	6660	6350	9389	8490	6468
19	1947 Regional Report Surplus Deficit	5086	4277	4284	1861	2282	1970	2628	5724	5596	5341	3685	9864	8763	6048
20	1948 Regional Report Surplus Deficit	3648	2959	3888	6115	3069	1111	2440	5319	3839	4277	5548	9577	8727	6521
21	1949 Regional Report Surplus Deficit	5519	5614	4906	2845	1904	209	730	3278	5730	5331	5922	10264	8480	2614
22	1950 Regional Report Surplus Deficit	1057	1473	2884	1771	1159	322	2403	5790	6286	6896	4924	8781	9553	7023
23	1951 Regional Report Surplus Deficit	5623	5489	4811	4291	3402	2214	3438	6574	6979	6841	5530	9207	8749	6626
24	1952 Regional Report Surplus Deficit	5187	3207	4251	5750	2838	1204	2204	5640	3891	7063	6448	9870	8978	6055
25	1953 Regional Report Surplus Deficit	3737	2757	2799	2004	740	-923	404	6444	2883	838	864	9565	9339	6856
26	1954 Regional Report Surplus Deficit	4388	3900	4257	2702	2223	816	2139	6072	4929	4465	3651	9288	8893	6879
27	1955 Regional Report Surplus Deficit	5660	6274	7075	2952	2735	565	463	2212	40.5	1278	-232	8159	9445	6890
28	1956 Regional Report Surplus Deficit	5489	4682	4071	3311	3019	1992	3209	6386	6818	6388	5457	9386	9330	6709
29	1957 Regional Report Surplus Deficit	5339	5149	4421	3265	1878	1011	1098	2364	4708	6693	4029	10249	9256	5163
30	1958 Regional Report Surplus Deficit	4319	2335	3293	1933	1374	297	1856	4760	3610	3119	4921	10090	9301	4669
31	1959 Regional Report Surplus Deficit	3907	1951	3425	2558	2676	1642	3116	6176	4582	6188	4067	8966	9065	6653
32	1960 Regional Report Surplus Deficit	5482	5686	7643	6512	3436	1348	1823	4463	4103	7609	5276	9023	8970	5674
33	1961 Regional Report Surplus Deficit	4815	2438	3607	2569	2155	374	1409	5119	5744	5599	2802	9306	8743	4740
34	1962 Regional Report Surplus Deficit	3785	2261	3186	1849	1559	266	1502	4653	1627	3673	5994	9642	8576	4801
35	1963 Regional Report Surplus Deficit	4435	3429	3560	3761	2819	1441	1779	4937	1934	2077	433	9419	9187	5528
36	1964 Regional Report Surplus Deficit	3692	2736	4450	1846	1661	389	895	3004	1076	3372	1678	9296	9452	6940
37	1965 Regional Report Surplus Deficit	5493	5427	5712	4135	2568	2007	3472	6450	6768	3423	6108	8940	9017	6152
38	1966 Regional Report Surplus Deficit	5478	5266	3652	3121	1974	576	1451	3985	2028	4539	3096	8407	8431	5449
39	1967 Regional Report Surplus Deficit	4047	2304	3604	1800	1266	886	2540	5848	5141	4187	359	8766	9223	6674
40	1968 Regional Report Surplus Deficit	4944	4532	4423	2764	2372	568	1900	5504	5626	925	-281	8375	8928	5854
41	1969 Regional Report Surplus Deficit	5047	5194	6267	4427	3086	1155	2926	6029	5466	6700	5960	9733	9065	6171
42	1970 Regional Report Surplus Deficit	3700	2211	3637	2930	1990	134	1781	5075	2810	1500	125	9461	9431	5041
43	1971 Regional Report Surplus Deficit	2836	2264	3121	2071	1426	503	3177	6190	7028	6660	5300	9302	9462	7013
44	1972 Regional Report Surplus Deficit	5744	6104	4914	3430	2302	934	2902	6200	7372	6905	4848	8934	8961	6822
45	1973 Regional Report Surplus Deficit	5648	6197	5210	3216	2353	701	1538	4078	1630	1037	-1798	4776	5940	1770
46	1974 Regional Report Surplus Deficit	1281	-7.82	2611	1698	1170	1240	3835	6301	6948	6267	5372	8161	9276	7031
47	1975 Regional Report Surplus Deficit	5754	6234	4955	1810	1479	315	1644	4402	5123	2101	1425	9228	9410	7036
48	1976 Regional Report Surplus Deficit	5072	5024	5301	4817	3311	2603	3232	6294	6004	6819	5114	9414	9206	6834
49	1977 Regional Report Surplus Deficit	5739	6429	8140	3351	1602	-362	-101	1150	389	728	-1986	4405	5049	188
50	1978 Regional Report Surplus Deficit	712	-19.9	1630	439	1022	489	1301	3581	3417	6660	3684	9430	8058	6139
51	1979 Regional Report Surplus Deficit	4335	3557	6129	3356	2068	-130	468	1880	3721	1585	2234	10099	7256	1901
52	1980 Regional Report Surplus Deficit	924	1159	3241	2008	1182	-603	884	1218	1340	3610	4711	10505	9173	5070
53	1981 Regional Report Surplus Deficit	1486	1746	3440	1914	1994	1445	2558	5889	2285	617	351	9520	9197	6483
54	1982 Regional Report Surplus Deficit	5468	5539	4418	2469	2355	594	2126	6445	7527	6751	3603	8975	9423	7075

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
55	1983 Regional Report Surplus Deficit	5637	6096	6354	4579	2582	1020	2533	6288	7043	5589	3143	9503	9072	6829
56	1984 Regional Report Surplus Deficit	5586	5859	5256	3024	3615	1241	2391	5650	6373	4961	5524	9805	9565	6779
57	1985 Regional Report Surplus Deficit	5328	3822	5198	3110	2657	684	1053	3138	2081	4632	4471	9404	7042	2706
58	1986 Regional Report Surplus Deficit	1082	1214	3454	3532	2906	606	1826	6205	7652	6818	5459	9215	8720	4416
59	1987 Regional Report Surplus Deficit	3129	1848	3285	1769	2173	621	681	1355	3051	1690	1605	9477	7013	1540
60	1988 Regional Report Surplus Deficit	1211	1119	2873	1381	163	-915	-1078	249	649	973	769	5706	6998	4211
61	1989 Regional Report Surplus Deficit	1996	1262	3059	1737	1344	52.1	-279	-347	3345	3854	5791	9335	7387	3449
62	1990 Regional Report Surplus Deficit	1453	1200	3266	2038	2027	735	1486	5173	4423	4259	5661	9221	8920	5719
63	1991 Regional Report Surplus Deficit	4598	4253	3379	1766	3144	1034	2349	5473	4412	4942	3134	9150	8779	6524
64	1992 Regional Report Surplus Deficit	5468	4833	3540	1742	1508	-711	186	1505	1670	390	-207	8594	5842	665
65	1993 Regional Report Surplus Deficit	773	706	2527	1497	851	-580	-736	-960	1894	1437	-798	9561	8153	4823
66	1994 Regional Report Surplus Deficit	2114	1718	2855	2034	1519	-558	-547	1122	862	766	2014	8148	6789	3819
67	1995 Regional Report Surplus Deficit	1483	930	2977	1775	332	-408	731	3858	4923	2339	-710	9747	9216	5810
68	1996 Regional Report Surplus Deficit	3830	2094	4267	4286	3451	2907	3726	6698	7493	7135	6512	9438	9240	6598
69	1997 Regional Report Surplus Deficit	5367	5098	4327	2497	2283	1273	3692	6327	7271	6461	5735	9139	8770	6771
70	1998 Regional Report Surplus Deficit	5427	6100	6327	6430	3117	750	1291	5306	3451	1653	493	10192	9411	6118
71	1999 Regional Report Surplus Deficit	5115	4644	3434	2173	975	1174	2889	6062	7199	4583	5103	9288	9554	6906
72	2000 Regional Report Surplus Deficit	5936	6574	4653	2572	3372	1492	1742	4544	4602	6617	6076	9590	6992	5356
73	2001 Regional Report Surplus Deficit	4463	1954	3191	2106	1212	-541	-334	504	753	702	-1890	4722	5086	1038
74	2002 Regional Report Surplus Deficit	1069	164	1686	379	779	-94.3	-367	1278	1632	3409	5172	8839	9027	6410
75	2003 Regional Report Surplus Deficit	3063	2546	3378	2188	1590	-568	-202	2057	4345	2837	2243	7352	8961	3634
76	2004 Regional Report Surplus Deficit	795	1057	2395	1384	1713	273	64.3	784	1965	2237	1669	8152	7938	3730
77	2005 Regional Report Surplus Deficit	636	1842	4653	2931	1711	363	786	4083	1774	414	-285	8363	7725	4489
78	2006 Regional Report Surplus Deficit	1976	1330	2756	1578	1829	265	2128	5617	4232	7137	5889	9974	9278	5125
79	2007 Regional Report Surplus Deficit	2310	1315	2285	1484	1852	398	1465	3310	6145	4814	2341	9562	8299	5400
80	2008 Regional Report Surplus Deficit	1567	1153	1989	1532	1604	-349	141	1749	2112	2136	219	9568	9441	6433

Ranked Averages

81	**Bottom 10 pct**	**787**	**891**	**2759**	**1605**	**1181**	**-65.3**	**509**	**1998**	**2394**	**2824**	**1348**	**8480**	**8191**	**4476**
82	**Middle 80 pct**	**3578**	**2916**	**3760**	**2579**	**1856**	**505**	**1347**	**3888**	**3906**	**3881**	**3197**	**8814**	**8447**	**5077**
83	**Top 10 pct**	**5718**	**6175**	**5764**	**3275**	**2478**	**860**	**1770**	**4431**	**4147**	**3887**	**2126**	**7975**	**7952**	**5190**

Regional Report Surplus Deficit By Water Year

Operating Year 2029

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Regional Report Surplus Deficit	3374	3372	3389	2059	1326	-778	-700	91.5	785	1181	-574	3952	7096	1501
2	1930 Regional Report Surplus Deficit	1532	1151	3120	1855	662	-954	-1525	116	703	1628	-129	3735	4902	3496
3	1931 Regional Report Surplus Deficit	1868	1482	2937	1888	1105	-923	-1501	-379	698	1604	-1012	4067	3953	2500
4	1932 Regional Report Surplus Deficit	1882	527	2912	1321	522	-903	-659	-2006	3413	5405	6435	8687	7764	5556
5	1933 Regional Report Surplus Deficit	3728	3225	3844	1924	918	447	1464	3769	3824	3945	2568	7251	8132	6680
6	1934 Regional Report Surplus Deficit	5551	5496	4345	3467	3211	2435	3414	5561	6676	7095	5992	7808	6307	2006
7	1935 Regional Report Surplus Deficit	1327	1811	2323	1601	92.9	-290	1426	3490	3784	2448	3486	7646	6237	5619
8	1936 Regional Report Surplus Deficit	5187	2533	3059	1716	1129	-948	-1221	-803	1099	1806	5445	9213	7565	4639
9	1937 Regional Report Surplus Deficit	1795	1972	2485	1978	946	-956	-1692	-1272	284	1288	-871	3690	6377	2835
10	1938 Regional Report Surplus Deficit	2313	1308	3317	1763	965	181	1075	3228	4840	6085	6725	8093	7199	5890
11	1939 Regional Report Surplus Deficit	1971	1957	3210	1877	900	-681	652	1722	2273	2754	4199	7807	5728	3800
12	1940 Regional Report Surplus Deficit	1358	1810	2729	2012	1378	-6.41	450	1181	4590	4546	2848	8058	5513	1361
13	1941 Regional Report Surplus Deficit	479	809	2701	1646	956	-203	-32.2	346	1776	1137	-1046	3635	4719	2047
14	1942 Regional Report Surplus Deficit	1182	553	2940	1244	1537	896	1076	2672	950	1498	1788	5833	7591	6101
15	1943 Regional Report Surplus Deficit	3713	3698	4320	2065	484	-60.8	1842	3995	5005	7930	7112	8245	8151	6703
16	1944 Regional Report Surplus Deficit	4416	3441	3548	1870	1033	-577	-120	174	532	1518	-1298	3241	4057	504
17	1945 Regional Report Surplus Deficit	886	167	1781	940	586	-947	-749	-363	752	1236	-1003	6983	7603	2299
18	1946 Regional Report Surplus Deficit	1879	1867	2982	1668	1116	228	1141	2748	3958	7186	6884	8148	7189	6365
19	1947 Regional Report Surplus Deficit	5069	4308	4155	1750	2147	1788	2553	4973	5558	5849	4219	8624	7443	5923
20	1948 Regional Report Surplus Deficit	3631	2990	3759	6004	2934	929	2365	4568	3816	4687	6082	8336	7458	6375
21	1949 Regional Report Surplus Deficit	5502	5646	4778	2734	1769	27.4	656	2526	5689	5817	6456	9023	7189	2497
22	1950 Regional Report Surplus Deficit	1039	1504	2755	1660	1024	141	2328	5038	6247	7422	5457	7541	8286	6906
23	1951 Regional Report Surplus Deficit	5606	5520	4682	4180	3267	2032	3363	5821	6978	7366	5995	7966	7438	6499
24	1952 Regional Report Surplus Deficit	5169	3238	4123	5639	2703	1022	2129	4889	3846	7589	6981	8630	7695	5955
25	1953 Regional Report Surplus Deficit	3720	2789	2671	1893	605	-1104	329	5693	2880	1364	1433	8325	8072	6746
26	1954 Regional Report Surplus Deficit	4370	3932	4129	2591	2088	634	2064	5321	4872	4917	4185	8047	7613	6760
27	1955 Regional Report Surplus Deficit	5642	6306	6946	2841	2600	383	388	1461	73.2	1787	302	6919	8179	6785
28	1956 Regional Report Surplus Deficit	5471	4714	3942	3200	2884	1811	3135	5634	6804	6914	5990	8146	8063	6626
29	1957 Regional Report Surplus Deficit	5322	5181	4293	3153	1743	830	1023	1613	4661	7174	4563	9009	7989	5039
30	1958 Regional Report Surplus Deficit	4302	2366	3165	1822	1239	115	1781	4009	3610	3621	5455	8849	7989	4515
31	1959 Regional Report Surplus Deficit	3890	1983	3296	2447	2541	1460	3041	5423	4531	6654	4601	7726	7824	6566
32	1960 Regional Report Surplus Deficit	5465	5718	7515	6401	3301	1166	1748	3712	4080	8136	5771	7784	7664	5508
33	1961 Regional Report Surplus Deficit	4798	2469	3478	2458	2020	193	1335	4368	5738	6064	3335	8066	7454	4620
34	1962 Regional Report Surplus Deficit	3768	2293	3058	1737	1424	84.0	1428	3902	1640	4125	6508	8403	7309	4684
35	1963 Regional Report Surplus Deficit	4418	3461	3432	3650	2684	1259	1704	4186	1953	2570	967	8180	7859	5404
36	1964 Regional Report Surplus Deficit	3675	2768	4322	1735	1526	207	820	2253	1101	3877	2209	8055	8186	6845
37	1965 Regional Report Surplus Deficit	5475	5459	5584	4023	2433	1825	3398	5697	6762	3839	6642	7699	7753	6045
38	1966 Regional Report Surplus Deficit	5461	5298	3523	3009	1840	395	1377	3234	2036	4984	3630	7167	7064	5310
39	1967 Regional Report Surplus Deficit	4030	2336	3475	1688	1132	704	2465	5097	5078	4663	988	7527	7957	6552
40	1968 Regional Report Surplus Deficit	4927	4564	4295	2653	2237	386	1826	4753	5584	1463	253	7135	7673	5751
41	1969 Regional Report Surplus Deficit	5030	5225	6139	4316	2951	973	2852	5276	5453	7225	6494	8491	7818	6038
42	1970 Regional Report Surplus Deficit	3683	2243	3509	2819	1855	-47.9	1707	4324	2823	2020	659	8222	8165	4948
43	1971 Regional Report Surplus Deficit	2818	2295	2992	1960	1291	322	3103	5438	6960	7187	5782	8062	8196	6904
44	1972 Regional Report Surplus Deficit	5726	6135	4786	3319	2167	752	2827	5447	7403	7431	5285	7694	7694	6722
45	1973 Regional Report Surplus Deficit	5631	6229	5082	3105	2218	519	1463	3326	1641	1563	-1264	3537	4630	1654
46	1974 Regional Report Surplus Deficit	1264	23.8	2483	1587	1035	1059	3761	5549	6980	6792	5906	6920	8010	6947
47	1975 Regional Report Surplus Deficit	5736	6266	4826	1699	1345	133	1569	3651	5086	2587	1959	7987	8144	6933
48	1976 Regional Report Surplus Deficit	5055	5056	5173	4706	3176	2421	3158	5541	5999	7344	5648	8173	7928	6733
49	1977 Regional Report Surplus Deficit	5722	6461	8012	3240	1467	-544	-176	399	421	1255	-1452	3203	3783	102
50	1978 Regional Report Surplus Deficit	695	11.7	1502	328	888	307	1226	2830	3432	7186	4218	8189	6793	6014
51	1979 Regional Report Surplus Deficit	4318	3588	6001	3245	1934	-311	393	1129	3739	2075	2780	8859	5990	1794
52	1980 Regional Report Surplus Deficit	907	1190	3113	1897	1047	-785	810	467	1372	4128	5244	9261	7882	4969
53	1981 Regional Report Surplus Deficit	1469	1778	3311	1803	1859	1263	2484	5137	2284	1143	897	8281	7931	6370
54	1982 Regional Report Surplus Deficit	5451	5571	4290	2358	2220	413	2052	5692	7559	7269	4137	7734	8156	6982

Regional Report Surplus Deficit By Water Year

Operating Year 2029

2019 White Book Report Date: **2/6/2020** *Continued*

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	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Regional Report Surplus Deficit	5619	6127	6226	4468	2447	838	2458	5537	7023	6064	3677	8263	7795	6723
56	1984 Regional Report Surplus Deficit	5569	5891	5127	2912	3480	1059	2316	4899	6295	5365	6058	8565	8299	6678
57	1985 Regional Report Surplus Deficit	5311	3854	5069	2999	2522	503	979	2386	2089	5103	5005	8165	5776	2604
58	1986 Regional Report Surplus Deficit	1065	1246	3326	3421	2771	424	1752	5454	7663	7345	5993	7976	7481	4311
59	1987 Regional Report Surplus Deficit	3112	1880	3156	1658	2038	439	607	604	3026	2191	2109	8192	5694	1454
60	1988 Regional Report Surplus Deficit	1193	1151	2745	1269	28.2	-1097	-1153	-502	681	1499	1311	4488	5726	4121
61	1989 Regional Report Surplus Deficit	1978	1293	2930	1626	1209	-130	-353	-1098	3352	4301	6300	8095	6121	3347
62	1990 Regional Report Surplus Deficit	1436	1231	3138	1927	1892	553	1412	4422	4407	4669	6126	7981	7594	5529
63	1991 Regional Report Surplus Deficit	4580	4285	3251	1655	3009	852	2274	4722	4346	5361	3668	7910	7453	6401
64	1992 Regional Report Surplus Deficit	5451	4865	3411	1631	1374	-893	112	754	1687	917	327	7355	4576	579
65	1993 Regional Report Surplus Deficit	755	737	2399	1386	716	-762	-810	-1711	1912	1947	-264	8321	6887	4690
66	1994 Regional Report Surplus Deficit	2097	1750	2727	1923	1384	-740	-622	371	884	1295	2551	6908	5515	3713
67	1995 Regional Report Surplus Deficit	1466	962	2849	1664	197	-590	657	3107	4885	2852	-176	8508	7870	5684
68	1996 Regional Report Surplus Deficit	3813	2126	4139	4174	3317	2726	3652	5945	7525	7661	7045	8197	7907	6500
69	1997 Regional Report Surplus Deficit	5350	5130	4198	2386	2148	1091	3617	5576	7303	6988	6269	7898	7504	6648
70	1998 Regional Report Surplus Deficit	5410	6131	6199	6319	2982	568	1217	4555	3441	2152	1026	8955	8145	5988
71	1999 Regional Report Surplus Deficit	5098	4675	3305	2062	840	992	2814	5309	7156	5039	5636	8048	8288	6805
72	2000 Regional Report Surplus Deficit	5919	6606	4525	2460	3237	1310	1668	3793	4573	7144	6583	8338	5719	5226
73	2001 Regional Report Surplus Deficit	4446	1986	3062	1995	1077	-723	-408	-247	791	1228	-1356	3483	3820	939
74	2002 Regional Report Surplus Deficit	1052	195	1558	268	644	-276	-442	526	1645	3813	5706	7600	7689	6282
75	2003 Regional Report Surplus Deficit	3045	2578	3250	2077	1455	-750	-277	1306	4309	3335	2777	6112	7677	3517
76	2004 Regional Report Surplus Deficit	777	1089	2266	1273	1578	91.1	-10.1	32.7	1980	2755	2193	6913	6672	3626
77	2005 Regional Report Surplus Deficit	619	1873	4525	2820	1576	182	712	3331	1795	941	249	7123	6458	4400
78	2006 Regional Report Surplus Deficit	1959	1362	2627	1466	1694	83.2	2053	4866	4235	7663	6352	8734	8009	4996
79	2007 Regional Report Surplus Deficit	2293	1346	2157	1373	1717	216	1391	2558	6087	5307	2875	8282	6958	5272
80	2008 Regional Report Surplus Deficit	1550	1184	1860	1421	1469	-531	66.5	998	2139	2641	753	8329	8175	6312

Ranked Averages

81	**Bottom 10 pct**	**770**	**923**	**2630**	**1494**	**1047**	**-247**	**434**	**1246**	**2408**	**3344**	**1881**	**7246**	**6913**	**4369**
82	**Middle 80 pct**	**3561**	**2947**	**3632**	**2467**	**1721**	**324**	**1273**	**3137**	**3897**	**4375**	**3727**	**7574**	**7164**	**4964**
83	**Top 10 pct**	**5700**	**6206**	**5636**	**3164**	**2343**	**678**	**1695**	**3680**	**4150**	**4400**	**2636**	**6738**	**6673**	**5080**

Regional Report Surplus Deficit By Water Year

Operating Year 2030

2019 White Book Report Date: **2/6/2020**

S184-WB-20191230-103442

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Regional Report Surplus Deficit	3277	3346	3330	2017	1252	-910	-831	-58.5	579	1585	-670	4953	8064	1438
2	1930 Regional Report Surplus Deficit	1435	1124	3061	1814	589	-1086	-1656	-34.2	497	2044	-225	4723	5904	3444
3	1931 Regional Report Surplus Deficit	1772	1456	2878	1847	1031	-1054	-1632	-529	484	2011	-1108	5020	4909	2446
4	1932 Regional Report Surplus Deficit	1786	500	2852	1279	448	-1034	-790	-2156	3253	5920	6378	9687	8752	5539
5	1933 Regional Report Surplus Deficit	3631	3199	3784	1883	844	316	1332	3619	3639	4417	2446	8251	9100	6618
6	1934 Regional Report Surplus Deficit	5454	5470	4286	3425	3137	2304	3283	5410	6534	7496	5969	8807	7318	1968
7	1935 Regional Report Surplus Deficit	1231	1785	2263	1559	19.0	-422	1294	3340	3635	2861	3390	8647	7205	5597
8	1936 Regional Report Surplus Deficit	5090	2507	3000	1674	1055	-1080	-1352	-953	897	2284	5349	10214	8586	4602
9	1937 Regional Report Surplus Deficit	1698	1946	2425	1937	872	-1088	-1824	-1422	72.6	1692	-967	4691	7345	2827
10	1938 Regional Report Surplus Deficit	2216	1282	3257	1721	891	49.6	944	3078	4728	6489	6627	9093	8167	5891
11	1939 Regional Report Surplus Deficit	1874	1931	3150	1835	826	-813	521	1572	2080	3203	4100	8806	6737	3775
12	1940 Regional Report Surplus Deficit	1261	1784	2670	1971	1304	-138	319	1031	4431	5012	2752	9059	6515	1298
13	1941 Regional Report Surplus Deficit	382	782	2642	1605	882	-334	-163	196	1581	1558	-1142	4583	5696	1989
14	1942 Regional Report Surplus Deficit	1085	527	2881	1202	1463	764	945	2522	736	1881	1692	6833	8595	6078
15	1943 Regional Report Surplus Deficit	3617	3672	4260	2023	410	-192	1711	3845	4922	8333	7032	9246	9119	6677
16	1944 Regional Report Surplus Deficit	4319	3415	3489	1828	959	-709	-252	24.4	321	1921	-1394	4241	5025	442
17	1945 Regional Report Surplus Deficit	790	141	1722	899	512	-1078	-881	-513	534	1640	-1099	7984	8631	2251
18	1946 Regional Report Surplus Deficit	1782	1841	2923	1627	1042	96.7	1009	2598	3825	7590	6786	9148	8191	6319
19	1947 Regional Report Surplus Deficit	4972	4282	4096	1709	2074	1657	2422	4823	5418	6272	4123	9623	8465	5899
20	1948 Regional Report Surplus Deficit	3534	2964	3700	5962	2860	798	2234	4418	3661	5207	5986	9336	8428	6372
21	1949 Regional Report Surplus Deficit	5405	5620	4718	2692	1695	-104	525	2376	5551	6261	6360	10023	8182	2465
22	1950 Regional Report Surplus Deficit	943	1478	2696	1618	951	8.98	2197	4888	6108	7826	5361	8540	9254	6874
23	1951 Regional Report Surplus Deficit	5509	5494	4623	4139	3193	1900	3232	5670	6800	7769	5968	8966	8451	6477
24	1952 Regional Report Surplus Deficit	5072	3212	4063	5597	2629	891	1998	4739	3713	7993	6884	9630	8679	5906
25	1953 Regional Report Surplus Deficit	3623	2763	2611	1851	531	-1236	198	5543	2704	1768	1301	9326	9040	6707
26	1954 Regional Report Surplus Deficit	4274	3905	4070	2550	2014	503	1933	5171	4750	5395	4089	9047	8594	6730
27	1955 Regional Report Surplus Deficit	5546	6280	6887	2799	2526	251	257	1311	-138	2208	206	7920	9146	6741
28	1956 Regional Report Surplus Deficit	5375	4687	3883	3159	2810	1679	3003	5483	6639	7317	5893	9146	9031	6560
29	1957 Regional Report Surplus Deficit	5225	5154	4233	3112	1670	698	892	1463	4529	7623	4467	10009	8957	5014
30	1958 Regional Report Surplus Deficit	4205	2340	3106	1781	1166	-16.3	1650	3859	3432	4049	5359	9849	9002	4520
31	1959 Regional Report Surplus Deficit	3793	1956	3237	2406	2467	1328	2910	5272	4403	7118	4505	8726	8766	6504
32	1960 Regional Report Surplus Deficit	5368	5691	7456	6360	3227	1034	1617	3562	3924	8540	5714	8784	8671	5525
33	1961 Regional Report Surplus Deficit	4701	2443	3419	2416	1946	60.9	1203	4218	5565	6529	3240	9065	8444	4591
34	1962 Regional Report Surplus Deficit	3671	2266	2998	1696	1350	-47.7	1297	3752	1448	4603	6432	9404	8277	4652
35	1963 Regional Report Surplus Deficit	4321	3434	3372	3608	2610	1128	1573	4036	1756	3007	871	9180	8888	5379
36	1964 Regional Report Surplus Deficit	3578	2742	4262	1693	1452	75.7	689	2103	897	4302	2116	9055	9153	6791
37	1965 Regional Report Surplus Deficit	5378	5433	5525	3982	2359	1693	3267	5546	6590	4353	6545	8699	8718	6003
38	1966 Regional Report Surplus Deficit	5364	5271	3464	2968	1766	263	1246	3084	1849	5469	3534	8168	8132	5300
39	1967 Regional Report Surplus Deficit	3933	2309	3416	1647	1058	572	2334	4947	4962	5117	797	8525	8925	6525
40	1968 Regional Report Surplus Deficit	4830	4537	4236	2612	2163	254	1694	4603	5448	1855	157	8136	8629	5705
41	1969 Regional Report Surplus Deficit	4933	5199	6079	4274	2877	842	2720	5125	5288	7628	6396	9492	8766	6022
42	1970 Regional Report Surplus Deficit	3586	2217	3450	2777	1781	-180	1575	4174	2631	2430	563	9222	9133	4892
43	1971 Regional Report Surplus Deficit	2722	2269	2933	1918	1217	190	2972	5287	6849	7590	5738	9062	9163	6864
44	1972 Regional Report Surplus Deficit	5630	6109	4726	3278	2093	620	2696	5296	7191	7834	5286	8693	8662	6673
45	1973 Regional Report Surplus Deficit	5534	6203	5022	3063	2144	388	1332	3176	1452	1967	-1360	4537	5641	1621
46	1974 Regional Report Surplus Deficit	1167	-2.59	2423	1545	961	927	3630	5398	6767	7195	5808	7920	8978	6882
47	1975 Regional Report Surplus Deficit	5639	6240	4767	1657	1271	1.50	1438	3501	4944	3031	1863	8987	9111	6887
48	1976 Regional Report Surplus Deficit	4958	5029	5113	4665	3102	2290	3027	5390	5825	7747	5552	9173	8908	6685
49	1977 Regional Report Surplus Deficit	5625	6435	7953	3199	1393	-676	-307	249	210	1658	-1548	4166	4750	38.7
50	1978 Regional Report Surplus Deficit	598	-14.7	1442	286	814	175	1095	2680	3239	7590	4122	9190	7759	5990
51	1979 Regional Report Surplus Deficit	4221	3562	5941	3203	1860	-443	262	979	3542	2515	2672	9860	6957	1752
52	1980 Regional Report Surplus Deficit	810	1164	3054	1855	973	-917	679	317	1161	4540	5148	10266	8875	4921
53	1981 Regional Report Surplus Deficit	1372	1751	3252	1762	1786	1131	2353	4988	2107	1547	788	9281	8899	6334
54	1982 Regional Report Surplus Deficit	5354	5544	4230	2317	2146	281	1920	5541	7346	7682	4041	8734	9124	6926

Regional Report Surplus Deficit By Water Year

Operating Year 2030

2019 White Book Report Date: **2/6/2020** *Continued*

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	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Regional Report Surplus Deficit	5522	6101	6166	4426	2373	707	2327	5387	6864	6519	3581	9263	8773	6680
56	1984 Regional Report Surplus Deficit	5472	5864	5068	2871	3406	927	2185	4749	6194	5891	5962	9566	9267	6630
57	1985 Regional Report Surplus Deficit	5214	3827	5010	2957	2448	371	848	2237	1902	5562	4909	9165	6743	2557
58	1986 Regional Report Surplus Deficit	968	1219	3266	3380	2697	292	1620	5304	7473	7749	5897	8976	8421	4267
59	1987 Regional Report Surplus Deficit	3015	1853	3097	1617	1964	307	476	454	2873	2620	2043	9238	6715	1391
60	1988 Regional Report Surplus Deficit	1096	1124	2685	1228	-45.7	-1229	-1284	-652	471	1903	1207	5467	6700	4062
61	1989 Regional Report Surplus Deficit	1882	1267	2871	1585	1135	-261	-485	-1248	3166	4784	6228	9096	7088	3300
62	1990 Regional Report Surplus Deficit	1339	1205	3078	1885	1818	422	1281	4272	4244	5189	6099	8980	8621	5570
63	1991 Regional Report Surplus Deficit	4484	4258	3191	1614	2935	720	2143	4572	4233	5873	3572	8910	8481	6375
64	1992 Regional Report Surplus Deficit	5354	4838	3352	1589	1300	-1024	-19.2	604	1491	1320	231	8356	5543	516
65	1993 Regional Report Surplus Deficit	659	711	2340	1344	643	-894	-941	-1861	1715	2367	-360	9322	7854	4674
66	1994 Regional Report Surplus Deficit	2000	1723	2668	1882	1310	-872	-753	221	683	1696	2452	7909	6490	3670
67	1995 Regional Report Surplus Deficit	1369	935	2789	1622	123	-722	526	2957	4744	3269	-272	9508	8918	5661
68	1996 Regional Report Surplus Deficit	3716	2099	4079	4133	3243	2594	3521	5794	7313	8064	6948	9197	8941	6449
69	1997 Regional Report Surplus Deficit	5253	5103	4139	2345	2074	960	3486	5426	7090	7389	6172	8898	8472	6622
70	1998 Regional Report Surplus Deficit	5313	6105	6140	6277	2908	436	1086	4405	3272	2583	930	9953	9113	5969
71	1999 Regional Report Surplus Deficit	5001	4649	3246	2020	766	861	2683	5158	7019	5513	5541	9047	9256	6757
72	2000 Regional Report Surplus Deficit	5822	6579	4466	2419	3163	1178	1537	3643	4423	7548	6513	9351	6693	5207
73	2001 Regional Report Surplus Deficit	4349	1960	3003	1953	1003	-855	-539	-397	574	1632	-1452	4483	4788	889
74	2002 Regional Report Surplus Deficit	955	169	1498	227	570	-408	-573	376	1453	4339	5610	8600	8729	6261
75	2003 Regional Report Surplus Deficit	2949	2551	3191	2036	1381	-882	-408	1156	4166	3767	2681	7113	8663	3485
76	2004 Regional Report Surplus Deficit	681	1062	2207	1231	1504	-40.6	-141	-117	1786	3167	2107	7913	7639	3581
77	2005 Regional Report Surplus Deficit	522	1847	4465	2779	1503	50.0	581	3182	1596	1345	153	8124	7426	4340
78	2006 Regional Report Surplus Deficit	1862	1335	2568	1425	1620	-48.4	1922	4716	4053	8067	6327	9733	8979	4977
79	2007 Regional Report Surplus Deficit	2196	1320	2097	1332	1643	84.3	1260	2409	5966	5744	2779	9323	8001	5251
80	2008 Regional Report Surplus Deficit	1453	1158	1801	1380	1395	-663	-64.6	848	1933	3066	657	9329	9143	6284

Ranked Averages

81	**Bottom 10 pct**	**673**	**896**	**2571**	**1452**	**973**	**-379**	**303**	**1096**	**2215**	**3754**	**1786**	**8240**	**7892**	**4328**
82	**Middle 80 pct**	**3464**	**2921**	**3572**	**2426**	**1647**	**192**	**1142**	**2986**	**3727**	**4810**	**3635**	**8574**	**8149**	**4928**
83	**Top 10 pct**	**5603**	**6180**	**5576**	**3123**	**2270**	**546**	**1564**	**3529**	**3968**	**4817**	**2564**	**7736**	**7653**	**5041**

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BONNEVILLE POWER ADMINISTRATION
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