2012 Pacific Northwest Loads and Resources Study

Technical Appendix, Volume 2: Capacity Analysis

October 2012
(Includes 6/6/2013 errata)

2012 PACIFIC NORTHWEST LOADS AND RESOURCES STUDY
The White Book

TECHNICAL APPENDIX

Volume 2

Capacity Analysis

BONNEVILLE POWER ADMINISTRATION
October 2012

Cover Picture:

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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:

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Pacific Northwest Utilities Conference Committee

Northwest Power & Conservation Council

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Section 1: Monthly Capacity (Common Tables) Operating Year 2014 to 2023

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Exhibit 1
Table A-1: Regional Total Retail Loads

Monthly Capacity
Operating Year 2014 to 2023
Using 1937-Water Conditions

Table A-1: Regional: Total Retail Loads

Operating Year 2014

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Firm Loads															
1	Federal Agency	152	152	142	166	193	222	221	204	205	181	181	163	167	169	152
2	USBR	671	671	589	529	162	264	14.9	301	409	462	462	585	627	696	671
3	Cooperative	2595	2595	2428	2486	2720	3156	3119	2923	2667	2640	2640	2570	2619	2763	2595
4	Municipality	3375	3375	3248	3743	4302	4603	4591	4421	3978	3781	3781	3282	3343	3527	3375
5	Public Utility District	5469	5469	5210	5825	6782	7528	7336	6946	6211	5972	5972	5415	5406	5689	5469
6	Investor-Owned Utility	15975	15975	13771	13485	15120	16643	16995	15810	14499	13429	13429	12819	15433	16766	15975
7	Marketer	440	440	420	419	424	435	443	430	424	412	412	413	431	449	440
8	Direct-Service Industry	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463
9	**Total Firm Loads**	**29140**	**29140**	**26271**	**27116**	**30166**	**33313**	**33182**	**31497**	**28856**	**27339**	**27339**	**25709**	**28488**	**30521**	**29140**
	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	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**	**0**
	Total Regional Loads (Firm+Non-Firm)															
12	Federal Agency	152	152	142	166	193	222	221	204	205	181	181	163	167	169	152
13	USBR	671	671	589	529	162	264	14.9	301	409	462	462	585	627	696	671
14	Cooperative	2595	2595	2428	2486	2720	3156	3119	2923	2667	2640	2640	2570	2619	2763	2595
15	Municipality	3375	3375	3248	3743	4302	4603	4591	4421	3978	3781	3781	3282	3343	3527	3375
16	Public Utility District	5469	5469	5224	5825	6782	7528	7340	6969	6265	6006	6006	5415	5406	5689	5469
17	Investor-Owned Utility	15975	15975	13771	13485	15120	16643	16995	15810	14499	13429	13429	12819	15433	16766	15975
18	Marketer	440	440	420	419	424	435	443	430	424	412	412	413	431	449	440
19	Direct-Service Industry	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463
20	**Total Loads**	**29140**	**29140**	**26285**	**27116**	**30166**	**33313**	**33186**	**31520**	**28910**	**27373**	**27373**	**25709**	**28488**	**30521**	**29140**

Table A-1: Regional: Total Retail Loads

Operating Year 2015

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads																
1	Federal Agency	154	154	144	168	195	224	224	208	208	183	183	165	170	171	154
2	USBR	673	673	589	529	161	264	14.8	301	409	462	462	585	627	696	673
3	Cooperative	2655	2655	2483	2535	2768	3204	3165	2962	2709	2685	2685	2617	2669	2818	2655
4	Municipality	3506	3506	3320	3774	4335	4637	4622	4451	4007	3810	3810	3310	3372	3557	3506
5	Public Utility District	5629	5629	5306	5885	6848	7590	7396	7004	6271	6030	6030	5473	5474	5764	5629
6	Investor-Owned Utility	16509	16509	14207	13901	15549	17116	17484	16253	14861	13758	13758	13143	15840	17224	16509
7	Marketer	442	442	422	420	425	436	445	432	426	413	413	415	434	451	442
8	Direct-Service Industry	463	463	463	508	508	508	508	508	508	508	508	508	508	508	463
9	**Total Firm Loads**	**30030**	**30030**	**26935**	**27720**	**30789**	**33978**	**33859**	**32118**	**29399**	**27848**	**27848**	**26217**	**29094**	**31188**	**30030**
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	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**	**0**
Total Regional Loads (Firm+Non-Firm)																
12	Federal Agency	154	154	144	168	195	224	224	208	208	183	183	165	170	171	154
13	USBR	673	673	589	529	161	264	14.8	301	409	462	462	585	627	696	673
14	Cooperative	2655	2655	2483	2535	2768	3204	3165	2962	2709	2685	2685	2617	2669	2818	2655
15	Municipality	3506	3506	3320	3774	4335	4637	4622	4451	4007	3810	3810	3310	3372	3557	3506
16	Public Utility District	5629	5629	5320	5885	6848	7590	7400	7027	6325	6064	6064	5473	5474	5764	5629
17	Investor-Owned Utility	16509	16509	14207	13901	15549	17116	17484	16253	14861	13758	13758	13143	15840	17224	16509
18	Marketer	442	442	422	420	425	436	445	432	426	413	413	415	434	451	442
19	Direct-Service Industry	463	463	463	508	508	508	508	508	508	508	508	508	508	508	463
20	**Total Loads**	**30030**	**30030**	**26949**	**27720**	**30789**	**33978**	**33863**	**32141**	**29453**	**27882**	**27882**	**26217**	**29094**	**31188**	**30030**

Table A-1: Regional: Total Retail Loads

Operating Year 2016

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Firm Loads															
1	Federal Agency	156	156	146	170	197	227	225	201	209	184	184	166	171	172	156
2	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696	672
3	Cooperative	2707	2707	2532	2580	2812	3248	3224	3003	2762	2742	2742	2678	2731	2885	2707
4	Municipality	3536	3536	3349	3802	4366	4669	4649	4455	4033	3836	3836	3336	3400	3584	3536
5	Public Utility District	5703	5703	5372	5952	6917	7659	7465	7044	6329	6087	6087	5537	5520	5823	5703
6	Investor-Owned Utility	16925	16925	14544	14200	15866	17460	17842	16584	15170	14038	14038	13417	16199	17604	16925
7	Marketer	444	444	424	421	427	438	446	433	427	414	414	416	436	454	444
8	Direct-Service Industry	508	508	508	553	553	553	553	553	553	553	553	553	553	553	508
9	**Total Firm Loads**	**30651**	**30651**	**27464**	**28204**	**31300**	**34518**	**34419**	**32574**	**29892**	**28316**	**28316**	**26687**	**29636**	**31771**	**30651**
	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	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**	**0**
	Total Regional Loads (Firm+Non-Firm)															
12	Federal Agency	156	156	146	170	197	227	225	201	209	184	184	166	171	172	156
13	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696	672
14	Cooperative	2707	2707	2532	2580	2812	3248	3224	3003	2762	2742	2742	2678	2731	2885	2707
15	Municipality	3536	3536	3349	3802	4366	4669	4649	4455	4033	3836	3836	3336	3400	3584	3536
16	Public Utility District	5703	5703	5386	5952	6917	7659	7469	7067	6383	6121	6121	5537	5520	5823	5703
17	Investor-Owned Utility	16925	16925	14544	14200	15866	17460	17842	16584	15170	14038	14038	13417	16199	17604	16925
18	Marketer	444	444	424	421	427	438	446	433	427	414	414	416	436	454	444
19	Direct-Service Industry	508	508	508	553	553	553	553	553	553	553	553	553	553	553	508
20	**Total Loads**	**30651**	**30651**	**27478**	**28204**	**31300**	**34518**	**34423**	**32597**	**29946**	**28350**	**28350**	**26687**	**29636**	**31771**	**30651**

Table A-1: Regional: Total Retail Loads

Operating Year 2017

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Firm Loads															
1	Federal Agency	157	157	147	171	199	229	240	223	223	198	198	179	185	185	157
2	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696	672
3	Cooperative	2771	2771	2590	2634	2867	3310	3283	3080	2815	2800	2800	2739	2794	2953	2771
4	Municipality	3564	3564	3375	3831	4399	4702	4680	4508	4061	3865	3865	3365	3430	3615	3564
5	Public Utility District	5760	5760	5414	6006	6957	7717	7520	7107	6376	6141	6141	5590	5578	5886	5760
6	Investor-Owned Utility	17301	17301	14835	14469	16161	17786	18176	16875	15439	14286	14286	13666	16528	17973	17301
7	Marketer	447	447	426	423	428	440	448	435	429	416	416	418	438	456	447
8	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553	553
9	**Total Firm Loads**	**31226**	**31226**	**27929**	**28613**	**31725**	**35000**	**34914**	**33082**	**30305**	**28720**	**28720**	**27094**	**30133**	**32316**	**31226**
	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	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**	**0**
	Total Regional Loads (Firm+Non-Firm)															
12	Federal Agency	157	157	147	171	199	229	240	223	223	198	198	179	185	185	157
13	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696	672
14	Cooperative	2771	2771	2590	2634	2867	3310	3283	3080	2815	2800	2800	2739	2794	2953	2771
15	Municipality	3564	3564	3375	3831	4399	4702	4680	4508	4061	3865	3865	3365	3430	3615	3564
16	Public Utility District	5760	5760	5428	6006	6957	7717	7524	7130	6430	6175	6175	5590	5578	5886	5760
17	Investor-Owned Utility	17301	17301	14835	14469	16161	17786	18176	16875	15439	14286	14286	13666	16528	17973	17301
18	Marketer	447	447	426	423	428	440	448	435	429	416	416	418	438	456	447
19	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553	553
20	**Total Loads**	**31226**	**31226**	**27943**	**28613**	**31725**	**35000**	**34918**	**33105**	**30359**	**28754**	**28754**	**27094**	**30133**	**32316**	**31226**

Table A-1: Regional: Total Retail Loads

Operating Year 2018

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Firm Loads															
1	Federal Agency	171	171	160	183	210	241	246	228	229	203	203	184	190	190	171
2	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696	672
3	Cooperative	2837	2837	2650	2689	2921	3372	3345	3137	2870	2859	2859	2799	2854	3019	2837
4	Municipality	3595	3595	3405	3856	4427	4730	4707	4536	4087	3891	3891	3390	3456	3642	3595
5	Public Utility District	5823	5823	5472	6071	7018	7785	7586	7170	6434	6206	6206	5654	5641	5952	5823
6	Investor-Owned Utility	17660	17660	15112	14694	16408	18056	18457	17131	15669	14504	14504	13886	16816	18292	17660
7	Marketer	448	448	427	424	430	441	450	436	430	417	417	419	440	458	448
8	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553	553
9	**Total Firm Loads**	**31758**	**31758**	**28367**	**28997**	**32128**	**35441**	**35359**	**33492**	**30681**	**29094**	**29094**	**27470**	**30578**	**32801**	**31758**
	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	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**	**0**
	Total Regional Loads (Firm+Non-Firm)															
12	Federal Agency	171	171	160	183	210	241	246	228	229	203	203	184	190	190	171
13	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696	672
14	Cooperative	2837	2837	2650	2689	2921	3372	3345	3137	2870	2859	2859	2799	2854	3019	2837
15	Municipality	3595	3595	3405	3856	4427	4730	4707	4536	4087	3891	3891	3390	3456	3642	3595
16	Public Utility District	5823	5823	5486	6071	7018	7785	7590	7193	6488	6240	6240	5654	5641	5952	5823
17	Investor-Owned Utility	17660	17660	15112	14694	16408	18056	18457	17131	15669	14504	14504	13886	16816	18292	17660
18	Marketer	448	448	427	424	430	441	450	436	430	417	417	419	440	458	448
19	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553	553
20	**Total Loads**	**31758**	**31758**	**28381**	**28997**	**32128**	**35441**	**35363**	**33515**	**30735**	**29128**	**29128**	**27470**	**30578**	**32801**	**31758**

Table A-1: Regional: Total Retail Loads

Operating Year 2019

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads																
1	Federal Agency	175	175	165	188	214	245	251	234	233	207	207	189	194	194	175
2	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696	672
3	Cooperative	2901	2901	2709	2747	2979	3438	3410	3191	2928	2921	2921	2863	2919	3089	2901
4	Municipality	3621	3621	3431	3883	4455	4758	4734	4561	4113	3916	3916	3415	3482	3668	3621
5	Public Utility District	5888	5888	5528	6123	7078	7850	7649	7221	6487	6264	6264	5714	5704	6018	5888
6	Investor-Owned Utility	17979	17979	15351	14902	16632	18300	18708	17368	15889	14707	14707	14084	17083	18592	17979
7	Marketer	450	450	429	426	431	443	451	438	432	418	418	420	441	460	450
8	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553	553
9	**Total Firm Loads**	**32240**	**32240**	**28754**	**29347**	**32502**	**35851**	**35770**	**33867**	**31044**	**29447**	**29447**	**27822**	**31002**	**33269**	**32240**
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	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**	**0**
Total Regional Loads (Firm+Non-Firm)																
12	Federal Agency	175	175	165	188	214	245	251	234	233	207	207	189	194	194	175
13	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696	672
14	Cooperative	2901	2901	2709	2747	2979	3438	3410	3191	2928	2921	2921	2863	2919	3089	2901
15	Municipality	3621	3621	3431	3883	4455	4758	4734	4561	4113	3916	3916	3415	3482	3668	3621
16	Public Utility District	5888	5888	5542	6123	7078	7850	7653	7244	6541	6298	6298	5714	5704	6018	5888
17	Investor-Owned Utility	17979	17979	15351	14902	16632	18300	18708	17368	15889	14707	14707	14084	17083	18592	17979
18	Marketer	450	450	429	426	431	443	451	438	432	418	418	420	441	460	450
19	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553	553
20	**Total Loads**	**32240**	**32240**	**28768**	**29347**	**32502**	**35851**	**35774**	**33890**	**31098**	**29481**	**29481**	**27822**	**31002**	**33269**	**32240**

Table A-1: Regional: Total Retail Loads

Operating Year 2020

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Firm Loads															
1	Federal Agency	179	179	169	192	217	249	254	228	236	210	210	191	197	197	179
2	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696	672
3	Cooperative	2969	2969	2772	2807	3040	3505	3469	3232	2982	2979	2979	2923	2981	3157	2969
4	Municipality	3647	3647	3456	3906	4480	4784	4759	4562	4137	3939	3939	3438	3506	3692	3647
5	Public Utility District	5954	5954	5579	6177	7136	7914	7712	7279	6541	6317	6317	5775	5767	6075	5954
6	Investor-Owned Utility	18275	18275	15573	15108	16857	18555	18962	17608	16108	14915	14915	14285	17356	18896	18275
7	Marketer	451	451	430	427	433	444	453	439	433	420	420	421	443	461	451
8	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553	553
9	**Total Firm Loads**	**32700**	**32700**	**29121**	**29696**	**32877**	**36268**	**36176**	**34202**	**31399**	**29794**	**29794**	**28171**	**31429**	**33726**	**32700**
	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	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**	**0**
	Total Regional Loads (Firm+Non-Firm)															
12	Federal Agency	179	179	169	192	217	249	254	228	236	210	210	191	197	197	179
13	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696	672
14	Cooperative	2969	2969	2772	2807	3040	3505	3469	3232	2982	2979	2979	2923	2981	3157	2969
15	Municipality	3647	3647	3456	3906	4480	4784	4759	4562	4137	3939	3939	3438	3506	3692	3647
16	Public Utility District	5954	5954	5593	6177	7136	7914	7716	7302	6595	6351	6351	5775	5767	6075	5954
17	Investor-Owned Utility	18275	18275	15573	15108	16857	18555	18962	17608	16108	14915	14915	14285	17356	18896	18275
18	Marketer	451	451	430	427	433	444	453	439	433	420	420	421	443	461	451
19	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553	553
20	**Total Loads**	**32700**	**32700**	**29135**	**29696**	**32877**	**36268**	**36180**	**34225**	**31453**	**29828**	**29828**	**28171**	**31429**	**33726**	**32700**

Table A-1: Regional: Total Retail Loads

Operating Year 2021

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Firm Loads															
1	Federal Agency	182	182	171	194	219	252	256	238	238	212	212	193	199	199	182
2	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696	672
3	Cooperative	3034	3034	2832	2863	3096	3566	3538	3323	3046	3048	3048	2994	3055	3237	3034
4	Municipality	3672	3672	3479	3935	4510	4815	4788	4615	4164	3966	3966	3465	3532	3719	3672
5	Public Utility District	6020	6020	5632	6230	7196	7981	7775	7349	6597	6373	6373	5838	5832	6136	6020
6	Investor-Owned Utility	18572	18572	15799	15320	17086	18807	19223	17847	16334	15122	15122	14491	17632	19199	18572
7	Marketer	453	453	432	428	434	446	454	441	434	421	421	423	444	463	453
8	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553	553
9	**Total Firm Loads**	**33157**	**33157**	**29488**	**30049**	**33255**	**36683**	**36602**	**34668**	**31775**	**30155**	**30155**	**28542**	**31874**	**34202**	**33157**
	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	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**	**0**
	Total Regional Loads (Firm+Non-Firm)															
12	Federal Agency	182	182	171	194	219	252	256	238	238	212	212	193	199	199	182
13	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696	672
14	Cooperative	3034	3034	2832	2863	3096	3566	3538	3323	3046	3048	3048	2994	3055	3237	3034
15	Municipality	3672	3672	3479	3935	4510	4815	4788	4615	4164	3966	3966	3465	3532	3719	3672
16	Public Utility District	6020	6020	5646	6230	7196	7981	7779	7372	6651	6407	6407	5838	5832	6136	6020
17	Investor-Owned Utility	18572	18572	15799	15320	17086	18807	19223	17847	16334	15122	15122	14491	17632	19199	18572
18	Marketer	453	453	432	428	434	446	454	441	434	421	421	423	444	463	453
19	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553	553
20	**Total Loads**	**33157**	**33157**	**29502**	**30049**	**33255**	**36683**	**36606**	**34691**	**31829**	**30189**	**30189**	**28542**	**31874**	**34202**	**33157**

Table A-1: Regional: Total Retail Loads

Operating Year 2022

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Firm Loads															
1	Federal Agency	184	184	173	196	221	254	258	240	240	213	213	194	200	200	184
2	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696	672
3	Cooperative	3112	3112	2907	2934	3168	3642	3590	3370	3092	3094	3094	3040	3100	3284	3112
4	Municipality	3699	3699	3506	3960	4537	4843	4815	4642	4189	3991	3991	3489	3558	3745	3699
5	Public Utility District	6085	6085	5684	6280	7252	8043	7835	7406	6650	6425	6425	5894	5888	6193	6085
6	Investor-Owned Utility	18874	18874	16029	15533	17315	19056	19479	18089	16560	15331	15331	14697	17907	19510	18874
7	Marketer	454	454	433	430	435	447	456	442	436	422	422	424	446	465	454
8	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553	553
9	**Total Firm Loads**	**33633**	**33633**	**29874**	**30413**	**33643**	**37102**	**37000**	**35042**	**32129**	**30490**	**30490**	**28876**	**32278**	**34646**	**33633**
	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	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**	**0**
	Total Regional Loads (Firm+Non-Firm)															
12	Federal Agency	184	184	173	196	221	254	258	240	240	213	213	194	200	200	184
13	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696	672
14	Cooperative	3112	3112	2907	2934	3168	3642	3590	3370	3092	3094	3094	3040	3100	3284	3112
15	Municipality	3699	3699	3506	3960	4537	4843	4815	4642	4189	3991	3991	3489	3558	3745	3699
16	Public Utility District	6085	6085	5698	6280	7252	8043	7839	7429	6704	6459	6459	5894	5888	6193	6085
17	Investor-Owned Utility	18874	18874	16029	15533	17315	19056	19479	18089	16560	15331	15331	14697	17907	19510	18874
18	Marketer	454	454	433	430	435	447	456	442	436	422	422	424	446	465	454
19	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553	553
20	**Total Loads**	**33633**	**33633**	**29888**	**30413**	**33643**	**37102**	**37004**	**35065**	**32183**	**30524**	**30524**	**28876**	**32278**	**34646**	**33633**

Table A-1: Regional: Total Retail Loads

Operating Year 2023

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads																
1	Federal Agency	185	185	174	197	223	256	260	243	236	214	214	196	202	202	185
2	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696	672
3	Cooperative	3158	3158	2950	2979	3215	3696	3631	3400	3128	3131	3131	3076	3136	3323	3158
4	Municipality	3725	3725	3531	3985	4564	4870	4841	4667	4217	4015	4015	3514	3583	3771	3725
5	Public Utility District	6150	6150	5736	6335	7312	8109	7899	7457	6706	6480	6480	5949	5945	6254	6150
6	Investor-Owned Utility	19178	19178	16259	15744	17542	19304	19738	18326	16786	15539	15539	14908	18185	19823	19178
7	Marketer	456	456	434	431	437	449	458	444	437	424	424	425	447	466	456
8	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553	553
9	**Total Firm Loads**	**34076**	**34076**	**30227**	**30751**	**34006**	**37500**	**37394**	**35392**	**32472**	**30819**	**30819**	**29205**	**32677**	**35087**	**34076**
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	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**	**0**
Total Regional Loads (Firm+Non-Firm)																
12	Federal Agency	185	185	174	197	223	256	260	243	236	214	214	196	202	202	185
13	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696	672
14	Cooperative	3158	3158	2950	2979	3215	3696	3631	3400	3128	3131	3131	3076	3136	3323	3158
15	Municipality	3725	3725	3531	3985	4564	4870	4841	4667	4217	4015	4015	3514	3583	3771	3725
16	Public Utility District	6150	6150	5750	6335	7312	8109	7903	7480	6760	6514	6514	5949	5945	6254	6150
17	Investor-Owned Utility	19178	19178	16259	15744	17542	19304	19738	18326	16786	15539	15539	14908	18185	19823	19178
18	Marketer	456	456	434	431	437	449	458	444	437	424	424	425	447	466	456
19	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553	553
20	**Total Loads**	**34076**	**34076**	**30241**	**30751**	**34006**	**37500**	**37398**	**35415**	**32526**	**30853**	**30853**	**29205**	**32677**	**35087**	**34076**

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Exhibit 2
Table A-2: Regional Exports

Monthly Capacity
Operating Year 2014 to 2023
Using 1937-Water Conditions

Table A-2: Regional Exports

Operating Year 2014

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
1	BPA-P to BCHP Trty LCADel	0	0	0	232	0	0	0	129	116	0	0	0	0	0
2	BPA-P to BCHP Trty CEA	1311	1311	1311	1311	1311	1311	1311	1311	1311	1311	1311	1311	1311	1311
3	BPA-P to BCHP NTSA Del	152	152	0	0	0	0	0	0	0	0	0	0	0	33.7
4	**Total Exports to CAN**	**1463**	**1463**	**1311**	**1543**	**1311**	**1311**	**1311**	**1440**	**1427**	**1311**	**1311**	**1311**	**1311**	**1345**
	East Continental Divide														
5	AVWP to PPLM PwrS LTFirm	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80
6	BPA-P to Other Entities	13.0	13.0	10.5	10.3	12.3	13.3	14.1	13.3	12.7	11.5	11.5	10.2	12.0	13.7
7	**Total Exports to ECD**	**19.8**	**19.8**	**17.3**	**17.1**	**19.1**	**20.1**	**20.9**	**20.1**	**19.5**	**18.3**	**18.3**	**17.0**	**18.8**	**20.5**
	Inland Southwest														
8	UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	**Total Exports to ISW**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Pacific Southwest														
10	AVWP to SMUD PwrS LTFirm	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
11	BPA-P to PASA CNX Del	15.0	15.0	15.0	0	0	0	0	0	0	0	0	0	0	15.0
12	BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	15.0	15.0	0
13	BPA-P to Other Entities	50.0	50.0	50.0	0	0	0	0	0	0	0	0	0	0	0
14	BPA-P to RVSD CNX Del	60.0	60.0	60.0	60.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	0	0	60.0
15	BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	60.0	60.0	0
16	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	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
20	MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	PPL to REDD PwrS LTFirm	50.0	50.0	50.0	50.0	0	0	0	0	0	0	0	50.0	50.0	50.0
24	PPL to SMUD PwrS LTFirm	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
26	SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	SCL to NCPA SNX Del	60.0	60.0	60.0	29.0	0	0	0	0	0	0	0	0	60.0	60.0
28	SDGE to SDGE TS PwrP	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	0	85.8	85.8
29	SMUD to SMUD TS PwrP	74.8	74.8	74.8	74.8	74.8	72.2	72.2	72.2	74.8	74.8	74.8	74.8	74.8	74.8
30	TID to TID TS PwrP	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	0	58.0	58.0
31	Intertie Losses	4	4	4	2								2	2	2
32	**Total Exports to PSW**	**915**	**915**	**915**	**517**	**384**	**381**	**381**	**381**	**384**	**384**	**392**	**360**	**864**	**864**
	Total Exports														
33	Federal Entities	1604	1604	1450	1615	1339	1340	1341	1469	1455	1338	1338	1398	1400	1436
34	Investor Owned Utilities	593	593	593	293	243	243	243	243	243	243	243	207	593	593
35	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
36	Municipality	193	193	193	162	133	130	130	130	133	133	133	74.8	193	193
37	**Total Exports**	**2398**	**2398**	**2243**	**2077**	**1714**	**1713**	**1713**	**1842**	**1831**	**1713**	**1721**	**1688**	**2193**	**2229**

Table A-2: Regional Exports

Operating Year 2015

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
1	BPA-P to BCHP Trty LCADel	0	0	0	232	0	0	0	129	116	0	0	0	0	0
2	BPA-P to BCHP Trty CEA	1343	1343	1343	1343	1343	1343	1343	1343	1343	1343	1343	1343	1343	1343
3	BPA-P to BCHP NTSA Del	152	152	0	0	0	0	0	0	0	0	0	0	0	32.5
4	**Total Exports to CAN**	**1495**	**1495**	**1343**	**1575**	**1343**	**1343**	**1343**	**1472**	**1459**	**1343**	**1343**	**1343**	**1343**	**1376**
	East Continental Divide														
5	AVWP to PPLM PwrS LTFirm	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80
6	BPA-P to Other Entities	13.0	13.0	10.5	10.3	12.3	13.3	14.1	13.3	12.7	11.5	11.5	10.2	12.0	13.7
7	**Total Exports to ECD**	**19.8**	**19.8**	**17.3**	**17.1**	**19.1**	**20.1**	**20.9**	**20.1**	**19.5**	**18.3**	**18.3**	**17.0**	**18.8**	**20.5**
	Inland Southwest														
8	UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	**Total Exports to ISW**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Pacific Southwest														
10	AVWP to SMUD PwrS LTFirm	50.0	50.0	50.0	50.0	50.0	50.0	0	0	0	0	0	0	0	0
11	BPA-P to PASA CNX Del	15.0	15.0	15.0	0	0	0	0	0	0	0	0	0	0	0
12	BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	15.0	15.0	0
13	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	BPA-P to RVSD CNX Del	60.0	60.0	60.0	60.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	0	0	60.0
15	BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	60.0	60.0	0
16	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	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
20	MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	PPL to REDD PwrS LTFirm	50.0	50.0	50.0	50.0	0	0	0	0	0	0	0	50.0	50.0	50.0
24	PPL to SMUD PwrS LTFirm	100.0	100.0	100.0	100.0	100.0	100.0	0	0	0	0	0	0	0	0
25	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
26	SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	SCL to NCPA SNX Del	60.0	60.0	60.0	29.0	0	0	0	0	0	0	0	0	60.0	60.0
28	SDGE to SDGE TS PwrP	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	0	85.8	85.8
29	SMUD to SMUD TS PwrP	74.8	74.8	74.8	74.8	74.8	72.2	72.2	72.2	74.8	74.8	74.8	74.8	74.8	74.8
30	TID to TID TS PwrP	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	0	58.0	58.0
31	Intertie Losses	2	2	2	2								2	2	2
32	**Total Exports to PSW**	**864**	**864**	**864**	**517**	**384**	**381**	**231**	**231**	**234**	**234**	**242**	**210**	**714**	**698**
	Total Exports														
33	Federal Entities	1585	1585	1431	1647	1371	1372	1373	1501	1487	1370	1370	1430	1432	1451
34	Investor Owned Utilities	593	593	593	293	243	243	92.6	92.6	92.6	92.6	92.6	56.8	443	443
35	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
36	Municipality	193	193	193	162	133	130	130	130	133	133	133	74.8	193	193
37	**Total Exports**	**2378**	**2378**	**2224**	**2109**	**1746**	**1745**	**1595**	**1724**	**1713**	**1595**	**1603**	**1570**	**2075**	**2094**

Table A-2: Regional Exports

Operating Year 2016

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
1	BPA-P to BCHP Trty LCADel	0	0	0	232	0	0	0	129	116	0	0	0	0	0
2	BPA-P to BCHP Trty CEA	1307	1307	1307	1307	1307	1307	1307	1307	1307	1307	1307	1307	1307	1307
3	BPA-P to BCHP NTSA Del	155	155	0	0	0	0	0	0	0	0	0	0	0	32.5
4	**Total Exports to CAN**	**1461**	**1461**	**1307**	**1539**	**1307**	**1307**	**1307**	**1436**	**1423**	**1307**	**1307**	**1307**	**1307**	**1339**
	East Continental Divide														
5	AVWP to PPLM PwrS LTFirm	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80
6	BPA-P to Other Entities	13.0	13.0	10.5	10.3	12.3	13.3	14.1	13.3	12.7	11.5	11.5	10.2	12.0	13.7
7	**Total Exports to ECD**	**19.8**	**19.8**	**17.3**	**17.1**	**19.1**	**20.1**	**20.9**	**20.1**	**19.5**	**18.3**	**18.3**	**17.0**	**18.8**	**20.5**
	Inland Southwest														
8	UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	**Total Exports to ISW**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Pacific Southwest														
10	BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	BPA-P to RVSD CNX Del	60.0	60.0	60.0	60.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	0	0	0
14	BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	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
19	MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	PPL to REDD PwrS LTFirm	50.0	50.0	50.0	50.0	0	0	0	0	0	0	0	0	0	0
23	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
24	SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	SCL to NCPA SNX Del	60.0	60.0	60.0	29.0	0	0	0	0	0	0	0	0	60.0	60.0
26	SDGE to SDGE TS PwrP	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	0	85.8	85.8
27	SMUD to SMUD TS PwrP	74.8	74.8	74.8	74.8	74.8	72.2	72.2	72.2	74.8	74.8	74.8	74.8	74.8	74.8
28	TID to TID TS PwrP	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	0	58.0	58.0
29	Intertie Losses	2	2	2	2								0		
30	**Total Exports to PSW**	**698**	**698**	**698**	**367**	**234**	**231**	**231**	**231**	**234**	**234**	**242**	**82.6**	**586**	**586**
	Total Exports														
31	Federal Entities	1536	1536	1379	1611	1334	1335	1336	1464	1451	1334	1334	1317	1319	1353
32	Investor Owned Utilities	443	443	443	143	92.6	92.6	92.6	92.6	92.6	92.6	92.6	6.80	393	393
33	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
34	Municipality	193	193	193	162	133	130	130	130	133	133	133	74.8	193	193
35	**Total Exports**	**2179**	**2179**	**2022**	**1923**	**1560**	**1558**	**1559**	**1687**	**1676**	**1559**	**1567**	**1406**	**1912**	**1946**

Table A-2: Regional Exports

Operating Year 2017

2012 White Book Report Date: **10/19/2012**

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	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
1	BPA-P to BCHP Trty LCADel	0	0	0	232	0	0	0	129	116	0	0	0	0	0
2	BPA-P to BCHP Trty CEA	1307	1307	1307	1307	1307	1307	1307	1307	1307	1307	1307	1307	1307	1307
3	BPA-P to BCHP NTSA Del	155	155	0	0	0	0	0	0	0	0	0	0	0	32.5
4	**Total Exports to CAN**	**1461**	**1461**	**1307**	**1539**	**1307**	**1307**	**1307**	**1436**	**1423**	**1307**	**1307**	**1307**	**1307**	**1339**
	East Continental Divide														
5	AVWP to PPLM PwrS LTFirm	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80
6	BPA-P to Other Entities	13.0	13.0	10.5	10.3	12.3	13.3	14.1	13.3	12.7	11.5	11.5	10.2	12.0	13.7
7	**Total Exports to ECD**	**19.8**	**19.8**	**17.3**	**17.1**	**19.1**	**20.1**	**20.9**	**20.1**	**19.5**	**18.3**	**18.3**	**17.0**	**18.8**	**20.5**
	Inland Southwest														
8	UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	**Total Exports to ISW**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Pacific Southwest														
10	BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	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
19	MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
23	SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	SCL to NCPA SNX Del	60.0	60.0	60.0	29.0	0	0	0	0	0	0	0	0	60.0	60.0
25	SDGE to SDGE TS PwrP	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	0	85.8	85.8
26	SMUD to SMUD TS PwrP	74.8	74.8	74.8	74.8	74.8	72.2	72.2	72.2	74.8	74.8	74.8	74.8	74.8	74.8
27	TID to TID TS PwrP	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	0	58.0	58.0
28	Intertie Losses												0		
29	**Total Exports to PSW**	**586**	**586**	**586**	**255**	**219**	**216**	**216**	**216**	**219**	**219**	**226**	**82.6**	**586**	**586**
	Total Exports														
30	Federal Entities	1474	1474	1317	1549	1319	1320	1321	1449	1436	1318	1318	1317	1319	1353
31	Investor Owned Utilities	393	393	393	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	6.80	393	393
32	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
33	Municipality	193	193	193	162	133	130	130	130	133	133	133	74.8	193	193
34	**Total Exports**	**2068**	**2068**	**1911**	**1811**	**1545**	**1543**	**1544**	**1672**	**1661**	**1544**	**1552**	**1406**	**1912**	**1946**

Table A-2: Regional Exports

Operating Year 2018

2012 White Book Report Date: **10/19/2012**

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	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
1	BPA-P to BCHP Trty LCADel	0	0	0	232	0	0	0	129	116	0	0	0	0	0
2	BPA-P to BCHP Trty CEA	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324
3	BPA-P to BCHP NTSA Del	155	155	0	0	0	0	0	0	0	0	0	0	0	32.5
4	**Total Exports to CAN**	**1479**	**1479**	**1324**	**1556**	**1324**	**1324**	**1324**	**1453**	**1440**	**1324**	**1324**	**1324**	**1324**	**1357**
	East Continental Divide														
5	AVWP to PPLM PwrS LTFirm	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80
6	BPA-P to Other Entities	13.0	13.0	10.5	10.3	12.3	13.3	14.1	13.3	12.7	11.5	11.5	10.2	12.0	13.7
7	**Total Exports to ECD**	**19.8**	**19.8**	**17.3**	**17.1**	**19.1**	**20.1**	**20.9**	**20.1**	**19.5**	**18.3**	**18.3**	**17.0**	**18.8**	**20.5**
	Inland Southwest														
8	UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	**Total Exports to ISW**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Pacific Southwest														
10	BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	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
19	MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
23	SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	SCL to NCPA SNX Del	60.0	60.0	60.0	29.0	0	0	0	0	0	0	0	0	0	0
25	SDGE to SDGE TS PwrP	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	0	85.8	85.8
26	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
27	TID to TID TS PwrP	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	0	58.0	58.0
28	Intertie Losses												0		
29	**Total Exports to PSW**	**567**	**567**	**567**	**236**	**199**	**199**	**199**	**199**	**199**	**199**	**207**	**62.8**	**507**	**507**
	Total Exports														
30	Federal Entities	1492	1492	1335	1567	1337	1338	1338	1467	1453	1336	1336	1335	1336	1371
31	Investor Owned Utilities	393	393	393	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	6.80	393	393
32	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
33	Municipality	173	173	173	142	113	113	113	113	113	113	113	55.0	113	113
34	**Total Exports**	**2065**	**2065**	**1908**	**1809**	**1542**	**1543**	**1544**	**1672**	**1659**	**1541**	**1549**	**1404**	**1850**	**1884**

Table A-2: Regional Exports

Operating Year 2019

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
1	BPA-P to BCHP Trty LCADel	0	0	0	232	0	0	0	129	116	0	0	0	0	0
2	BPA-P to BCHP Trty CEA	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324
3	BPA-P to BCHP NTSA Del	155	155	0	0	0	0	0	0	0	0	0	0	0	32.5
4	**Total Exports to CAN**	**1479**	**1479**	**1324**	**1556**	**1324**	**1324**	**1324**	**1453**	**1440**	**1324**	**1324**	**1324**	**1324**	**1357**
	East Continental Divide														
5	AVWP to PPLM PwrS LTFirm	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80
6	BPA-P to Other Entities	13.0	13.0	10.5	10.3	12.3	13.3	14.1	13.3	12.7	11.5	11.5	10.2	12.0	13.7
7	**Total Exports to ECD**	**19.8**	**19.8**	**17.3**	**17.1**	**19.1**	**20.1**	**20.9**	**20.1**	**19.5**	**18.3**	**18.3**	**17.0**	**18.8**	**20.5**
	Inland Southwest														
8	UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	**Total Exports to ISW**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Pacific Southwest														
10	BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	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
19	MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
23	SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	SCL to NCPA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	SDGE to SDGE TS PwrP	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	0	85.8	85.8
26	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
27	TID to TID TS PwrP	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	0	58.0	58.0
28	Intertie Losses												0		
29	**Total Exports to PSW**	**507**	**507**	**507**	**207**	**199**	**199**	**199**	**199**	**199**	**199**	**207**	**62.8**	**507**	**507**
	Total Exports														
30	Federal Entities	1492	1492	1335	1567	1337	1338	1338	1467	1453	1336	1336	1335	1336	1371
31	Investor Owned Utilities	393	393	393	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	6.80	393	393
32	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
33	Municipality	113	113	113	113	113	113	113	113	113	113	113	55.0	113	113
34	**Total Exports**	**2005**	**2005**	**1848**	**1780**	**1542**	**1543**	**1544**	**1672**	**1659**	**1541**	**1549**	**1404**	**1850**	**1884**

Table A-2: Regional Exports

Operating Year 2020

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
1	BPA-P to BCHP Trty LCADel	0	0	0	232	0	0	0	129	116	0	0	0	0	0
2	BPA-P to BCHP Trty CEA	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324
3	BPA-P to BCHP NTSA Del	155	155	0	0	0	0	0	0	0	0	0	0	0	32.5
4	**Total Exports to CAN**	**1479**	**1479**	**1324**	**1556**	**1324**	**1324**	**1324**	**1453**	**1440**	**1324**	**1324**	**1324**	**1324**	**1357**
	East Continental Divide														
5	AVWP to PPLM PwrS LTFirm	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80
6	BPA-P to Other Entities	13.0	13.0	10.5	10.3	12.3	13.3	14.1	13.3	12.7	11.5	11.5	10.2	12.0	13.7
7	**Total Exports to ECD**	**19.8**	**19.8**	**17.3**	**17.1**	**19.1**	**20.1**	**20.9**	**20.1**	**19.5**	**18.3**	**18.3**	**17.0**	**18.8**	**20.5**
	Inland Southwest														
8	UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	**Total Exports to ISW**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Pacific Southwest														
10	BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	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
19	MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
23	SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	SCL to NCPA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	SDGE to SDGE TS PwrP	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	0	85.8	85.8
26	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
27	TID to TID TS PwrP	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	0	58.0	58.0
28	Intertie Losses												0		
29	**Total Exports to PSW**	**507**	**507**	**507**	**207**	**199**	**199**	**199**	**199**	**199**	**199**	**207**	**62.8**	**507**	**507**
	Total Exports														
30	Federal Entities	1492	1492	1335	1567	1337	1338	1338	1467	1453	1336	1336	1335	1336	1371
31	Investor Owned Utilities	393	393	393	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	6.80	393	393
32	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
33	Municipality	113	113	113	113	113	113	113	113	113	113	113	55.0	113	113
34	**Total Exports**	**2005**	**2005**	**1848**	**1780**	**1542**	**1543**	**1544**	**1672**	**1659**	**1541**	**1549**	**1404**	**1850**	**1884**

Table A-2: Regional Exports

Operating Year 2021

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
1	BPA-P to BCHP Trty LCADel	0	0	0	232	0	0	0	129	116	0	0	0	0	0
2	BPA-P to BCHP Trty CEA	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324
3	BPA-P to BCHP NTSA Del	155	155	0	0	0	0	0	0	0	0	0	0	0	32.5
4	**Total Exports to CAN**	**1479**	**1479**	**1324**	**1556**	**1324**	**1324**	**1324**	**1453**	**1440**	**1324**	**1324**	**1324**	**1324**	**1357**
	East Continental Divide														
5	AVWP to PPLM PwrS LTFirm	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80
6	BPA-P to Other Entities	13.0	13.0	10.5	10.3	12.3	13.3	14.1	13.3	12.7	11.5	11.5	10.2	12.0	13.7
7	**Total Exports to ECD**	**19.8**	**19.8**	**17.3**	**17.1**	**19.1**	**20.1**	**20.9**	**20.1**	**19.5**	**18.3**	**18.3**	**17.0**	**18.8**	**20.5**
	Inland Southwest														
8	UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	**Total Exports to ISW**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Pacific Southwest														
10	BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	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
19	MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
23	SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	SCL to NCPA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	SDGE to SDGE TS PwrP	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	0	85.8	85.8
26	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
27	TID to TID TS PwrP	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	0	58.0	58.0
28	Intertie Losses												0		
29	**Total Exports to PSW**	**507**	**507**	**507**	**207**	**199**	**199**	**199**	**199**	**199**	**199**	**207**	**62.8**	**507**	**507**
	Total Exports														
30	Federal Entities	1492	1492	1335	1567	1337	1338	1338	1467	1453	1336	1336	1335	1336	1371
31	Investor Owned Utilities	393	393	393	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	6.80	393	393
32	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
33	Municipality	113	113	113	113	113	113	113	113	113	113	113	55.0	113	113
34	**Total Exports**	**2005**	**2005**	**1848**	**1780**	**1542**	**1543**	**1544**	**1672**	**1659**	**1541**	**1549**	**1404**	**1850**	**1884**

Table A-2: Regional Exports

Operating Year 2022

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
1	BPA-P to BCHP Trty LCADel	0	0	0	232	0	0	0	129	116	0	0	0	0	0
2	BPA-P to BCHP Trty CEA	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324
3	BPA-P to BCHP NTSA Del	155	155	0	0	0	0	0	0	0	0	0	0	0	32.5
4	**Total Exports to CAN**	**1479**	**1479**	**1324**	**1556**	**1324**	**1324**	**1324**	**1453**	**1440**	**1324**	**1324**	**1324**	**1324**	**1357**
	East Continental Divide														
5	AVWP to PPLM PwrS LTFirm	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80
6	BPA-P to Other Entities	13.0	13.0	10.5	10.3	12.3	13.3	14.1	13.3	12.7	11.5	11.5	10.2	12.0	13.7
7	**Total Exports to ECD**	**19.8**	**19.8**	**17.3**	**17.1**	**19.1**	**20.1**	**20.9**	**20.1**	**19.5**	**18.3**	**18.3**	**17.0**	**18.8**	**20.5**
	Inland Southwest														
8	UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	**Total Exports to ISW**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Pacific Southwest														
10	BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	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
19	MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
23	SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	SCL to NCPA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	SDGE to SDGE TS PwrP	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	0	85.8	85.8
26	TID to TID TS PwrP	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	0	58.0	58.0
27	Intertie Losses												0		
28	**Total Exports to PSW**	**452**	**452**	**452**	**152**	**144**	**144**	**144**	**144**	**144**	**144**	**152**	**7.81**	**452**	**452**
	Total Exports														
29	Federal Entities	1492	1492	1335	1567	1337	1338	1338	1467	1453	1336	1336	1335	1336	1371
30	Investor Owned Utilities	393	393	393	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	6.80	393	393
31	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
32	Municipality	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	0	58.0	58.0
33	**Total Exports**	**1950**	**1950**	**1793**	**1725**	**1487**	**1488**	**1489**	**1617**	**1604**	**1486**	**1494**	**1349**	**1795**	**1829**

Table A-2: Regional Exports

Operating Year 2023

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
1	BPA-P to BCHP Trty LCADel	0	0	0	232	0	0	0	129	116	0	0	0	0	0
2	BPA-P to BCHP Trty CEA	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324	1324
3	BPA-P to BCHP NTSA Del	155	155	0	0	0	0	0	0	0	0	0	0	0	32.5
4	**Total Exports to CAN**	**1479**	**1479**	**1324**	**1556**	**1324**	**1324**	**1324**	**1453**	**1440**	**1324**	**1324**	**1324**	**1324**	**1357**
	East Continental Divide														
5	AVWP to PPLM PwrS LTFirm	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80
6	BPA-P to Other Entities	13.0	13.0	10.5	10.3	12.3	13.3	14.1	13.3	12.7	11.5	11.5	10.2	12.0	13.7
7	**Total Exports to ECD**	**19.8**	**19.8**	**17.3**	**17.1**	**19.1**	**20.1**	**20.9**	**20.1**	**19.5**	**18.3**	**18.3**	**17.0**	**18.8**	**20.5**
	Inland Southwest														
8	UAMP to UAMP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	**Total Exports to ISW**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Pacific Southwest														
10	BPA-P to PASA CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	BPA-P to RVSD CNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	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
19	MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
23	SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	SCL to NCPA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	SDGE to SDGE TS PwrP	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	0	85.8	85.8
26	TID to TID TS PwrP	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	0	58.0	58.0
27	Intertie Losses												0		
28	**Total Exports to PSW**	**452**	**452**	**452**	**152**	**144**	**144**	**144**	**144**	**144**	**144**	**152**	**7.81**	**452**	**452**
	Total Exports														
29	Federal Entities	1492	1492	1335	1567	1337	1338	1338	1467	1453	1336	1336	1335	1336	1371
30	Investor Owned Utilities	393	393	393	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	6.80	393	393
31	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
32	Municipality	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	0	58.0	58.0
33	**Total Exports**	**1950**	**1950**	**1793**	**1725**	**1487**	**1488**	**1489**	**1617**	**1604**	**1486**	**1494**	**1349**	**1795**	**1829**

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Exhibit 3
Table A-3: Regional Imports

Monthly Capacity
Operating Year 2014 to 2023
Using 1937-Water Conditions

Table A-3: Regional: Imports

Operating Year 2014

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	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	1.00
3	BCHP to BPA-P Trty LCARtn	120	120	0	0	0	232	0	0	0	0	0	0	0	0	120
4	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	2.83
5	**Total Imports From CAN**	**266**	**266**	**146**	**147**	**102**	**356**	**155**	**188**	**213**	**147**	**147**	**147**	**146**	**146**	**266**
	East Continental Divide															
6	PPL to PPL TS PwrP	217	217	216	217	254	304	290	301	258	214	214	215	229	224	217
7	Unk_ECD_Mrktr to Other Entities	175	175	155	154	159	170	178	165	159	147	147	148	166	184	175
8	**Total Imports From ECD**	**391**	**391**	**371**	**370**	**413**	**474**	**468**	**466**	**417**	**360**	**360**	**363**	**395**	**408**	**391**
	Inland Southwest															
9	RMP to RMP TS PwrP	701	701	598	547	549	627	573	571	546	519	519	559	778	851	701
10	**Total Imports From ISW**	**701**	**701**	**598**	**547**	**549**	**627**	**573**	**571**	**546**	**519**	**519**	**559**	**778**	**851**	**701**
	Pacific Southwest															
11	BARC to PSE PwrS LTFirm	0	0	0	0	75.0	75.0	75.0	75.0	0	0	0	0	0	0	0
12	PASA to BPA-P CNX EER	0	0	7.01	7.01	7.01	7.01	7.01	7.01	7.01	0	0	0	0	0	0
13	PASA to BPA-P CNX Repl	15.0	15.0	15.0	15.0	0	0	0	0	0	0	0	0	0	15.0	15.0
14	PASA to BPA-P SNX Ret	0	0	9.33	9.33	9.33	9.33	9.33	9.33	9.33	0	0	0	0	0	0
15	RVSD to BPA-P CNX EER	0	0	0	0	29.1	29.1	29.1	29.1	29.1	29.1	29.1	0	0	0	0
16	RVSD to BPA-P CNX Repl	40.0	40.0	40.0	40.0	40.0	10.00	10.00	10.00	10.00	10.00	10.00	10.00	0	40.0	40.0
17	RVSD to BPA-P SNX Ret	0	0	0	0	16.8	16.8	16.8	16.8	16.8	16.8	16.8	0	0	0	0
18	PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0	0
19	NCPA to SCL SNX Ret	0	0	0	0	24.5	46.0	46.0	46.0	46.0	12.0	12.0	0	0	0	0
20	**Total Imports From PSW**	**55.0**	**55.0**	**71.3**	**71.3**	**502**	**493**	**493**	**493**	**118**	**67.9**	**67.9**	**10.00**	**0**	**55.0**	**55.0**
	Total Imports															
21	Federal Entities	176	176	72.3	72.3	103	305	73.2	73.2	73.2	56.9	56.9	11.0	1.00	56.0	176
22	Investor Owned Utilities	921	921	817	767	1182	1310	1243	1251	808	736	736	777	1009	1078	921
23	Marketer	175	175	155	154	159	170	178	165	159	147	147	148	166	184	175
24	Municipality	143	143	143	143	122	164	195	228	254	155	155	143	143	143	143
25	**Total Imports**	**1414**	**1414**	**1186**	**1136**	**1566**	**1950**	**1689**	**1718**	**1295**	**1094**	**1094**	**1078**	**1319**	**1460**	**1414**

Table A-3: Regional: Imports

Operating Year 2015

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	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	1.00
3	BCHP to BPA-P Trty LCARtn	120	120	0	0	0	232	0	0	0	0	0	0	0	0	120
4	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	2.83
5	**Total Imports From CAN**	**266**	**266**	**146**	**147**	**102**	**356**	**155**	**188**	**213**	**147**	**147**	**147**	**146**	**146**	**266**
	East Continental Divide															
6	PPL to PPL TS PwrP	216	216	215	218	255	305	290	302	259	214	214	215	230	225	216
7	Unk_ECD_Mrktr to Other Entities	177	177	157	155	160	171	180	167	161	148	148	150	169	186	177
8	**Total Imports From ECD**	**393**	**393**	**372**	**372**	**415**	**476**	**470**	**468**	**420**	**362**	**362**	**365**	**398**	**411**	**393**
	Inland Southwest															
9	RMP to RMP TS PwrP	720	720	612	557	556	635	580	578	553	525	525	566	791	865	720
10	**Total Imports From ISW**	**720**	**720**	**612**	**557**	**556**	**635**	**580**	**578**	**553**	**525**	**525**	**566**	**791**	**865**	**720**
	Pacific Southwest															
11	BARC to PSE PwrS LTFirm	0	0	0	0	75.0	75.0	75.0	75.0	0	0	0	0	0	0	0
12	PASA to BPA-P CNX EER	0	0	7.01	7.01	7.01	7.01	7.01	7.01	7.01	0	0	0	0	0	0
13	PASA to BPA-P CNX Repl	15.0	15.0	15.0	15.0	0	0	0	0	0	0	0	0	0	0	15.0
14	PASA to BPA-P SNX Ret	0	0	9.33	9.33	9.33	9.33	9.33	9.33	9.33	0	0	0	0	0	0
15	RVSD to BPA-P CNX EER	0	0	0	0	29.1	29.1	29.1	29.1	29.1	29.1	29.1	0	0	0	0
16	RVSD to BPA-P CNX Repl	40.0	40.0	40.0	40.0	15.0	10.00	10.00	10.00	10.00	10.00	10.00	10.00	0	40.0	40.0
17	RVSD to BPA-P SNX Ret	0	0	0	0	16.8	16.8	16.8	16.8	16.8	16.8	16.8	0	0	0	0
18	PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0	0
19	NCPA to SCL SNX Ret	0	0	0	0	24.5	46.0	46.0	46.0	46.0	12.0	12.0	0	0	0	0
20	**Total Imports From PSW**	**55.0**	**55.0**	**71.3**	**71.3**	**477**	**493**	**493**	**493**	**118**	**67.9**	**67.9**	**10.00**	**0**	**40.0**	**55.0**
	Total Imports															
21	Federal Entities	176	176	72.3	72.3	78.2	305	73.2	73.2	73.2	56.9	56.9	11.0	1.00	41.0	176
22	Investor Owned Utilities	939	939	830	778	1190	1319	1250	1259	816	743	743	785	1023	1093	939
23	Marketer	177	177	157	155	160	171	180	167	161	148	148	150	169	186	177
24	Municipality	143	143	143	143	122	164	195	228	254	155	155	143	143	143	143
25	**Total Imports**	**1434**	**1434**	**1202**	**1148**	**1550**	**1960**	**1698**	**1727**	**1304**	**1102**	**1102**	**1088**	**1335**	**1462**	**1434**

Table A-3: Regional: Imports

Operating Year 2016

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	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	1.00
3	BCHP to BPA-P Trty LCARtn	120	120	0	0	0	232	0	0	0	0	0	0	0	0	120
4	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	2.83
5	**Total Imports From CAN**	**266**	**266**	**146**	**147**	**102**	**356**	**155**	**188**	**213**	**147**	**147**	**147**	**146**	**146**	**266**
	East Continental Divide															
6	PPL to PPL TS PwrP	217	217	216	218	256	306	291	301	260	215	215	216	231	226	217
7	Unk_ECD_Mrktr to Other Entities	179	179	159	156	162	173	181	168	162	149	149	151	171	189	179
8	**Total Imports From ECD**	**396**	**396**	**375**	**375**	**417**	**479**	**473**	**469**	**422**	**365**	**365**	**367**	**401**	**415**	**396**
	Inland Southwest															
9	RMP to RMP TS PwrP	731	731	619	561	560	639	584	583	558	530	530	570	800	875	731
10	**Total Imports From ISW**	**731**	**731**	**619**	**561**	**560**	**639**	**584**	**583**	**558**	**530**	**530**	**570**	**800**	**875**	**731**
	Pacific Southwest															
11	PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	RVSD to BPA-P CNX EER	0	0	0	0	29.1	29.1	29.1	29.1	29.1	29.1	29.1	0	0	0	0
15	RVSD to BPA-P CNX Repl	40.0	40.0	40.0	40.0	10.00	10.00	10.00	10.00	10.00	10.00	10.00	0	0	0	40.0
16	RVSD to BPA-P SNX Ret	0	0	0	0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	0	0	0	0
17	PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0	0
18	NCPA to SCL SNX Ret	0	0	0	0	24.5	46.0	46.0	46.0	46.0	12.0	12.0	0	0	0	0
19	**Total Imports From PSW**	**40.0**	**40.0**	**40.0**	**40.0**	**381**	**402**	**402**	**402**	**102**	**68.1**	**68.1**	**0**	**0**	**0**	**40.0**
	Total Imports															
20	Federal Entities	161	161	41.0	41.0	57.1	289	57.1	57.1	57.1	57.1	57.1	1.00	1.00	1.00	161
21	Investor Owned Utilities	951	951	838	783	1120	1249	1180	1188	822	749	749	790	1033	1104	951
22	Marketer	179	179	159	156	162	173	181	168	162	149	149	151	171	189	179
23	Municipality	143	143	143	143	122	164	195	228	254	155	155	143	143	143	143
24	**Total Imports**	**1433**	**1433**	**1180**	**1123**	**1461**	**1875**	**1614**	**1642**	**1295**	**1110**	**1110**	**1084**	**1348**	**1436**	**1433**

Table A-3: Regional: Imports

Operating Year 2017

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	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	1.00
3	BCHP to BPA-P Trty LCARtn	120	120	0	0	0	232	0	0	0	0	0	0	0	0	120
4	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	2.83
5	**Total Imports From CAN**	**266**	**266**	**146**	**147**	**102**	**356**	**155**	**188**	**213**	**147**	**147**	**147**	**146**	**146**	**266**
	East Continental Divide															
6	PPL to PPL TS PwrP	218	218	217	219	256	306	292	303	260	216	216	217	231	226	218
7	Unk_ECD_Mrktr to Other Entities	182	182	161	158	163	175	183	170	164	151	151	153	173	191	182
8	**Total Imports From ECD**	**399**	**399**	**378**	**377**	**420**	**481**	**475**	**473**	**424**	**367**	**367**	**369**	**404**	**418**	**399**
	Inland Southwest															
9	RMP to RMP TS PwrP	739	739	624	565	563	643	587	586	562	533	533	574	808	884	739
10	**Total Imports From ISW**	**739**	**739**	**624**	**565**	**563**	**643**	**587**	**586**	**562**	**533**	**533**	**574**	**808**	**884**	**739**
	Pacific Southwest															
11	PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0	0
18	NCPA to SCL SNX Ret	0	0	0	0	24.5	46.0	46.0	46.0	46.0	12.0	12.0	0	0	0	0
19	**Total Imports From PSW**	**0**	**0**	**0**	**0**	**325**	**346**	**346**	**346**	**46.0**	**12.0**	**12.0**	**0**	**0**	**0**	**0**
	Total Imports															
20	Federal Entities	121	121	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	121
21	Investor Owned Utilities	959	959	844	787	1123	1253	1184	1194	826	752	752	794	1042	1113	959
22	Marketer	182	182	161	158	163	175	183	170	164	151	151	153	173	191	182
23	Municipality	143	143	143	143	122	164	195	228	254	155	155	143	143	143	143
24	**Total Imports**	**1405**	**1405**	**1148**	**1089**	**1409**	**1825**	**1563**	**1593**	**1245**	**1059**	**1059**	**1090**	**1358**	**1448**	**1405**

Table A-3: Regional: Imports

Operating Year 2018

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	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	1.00
3	BCHP to BPA-P Trty LCARtn	120	120	0	0	0	232	0	0	0	0	0	0	0	0	120
4	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	2.83
5	**Total Imports From CAN**	**266**	**266**	**146**	**147**	**102**	**356**	**155**	**188**	**213**	**147**	**147**	**147**	**146**	**146**	**266**
	East Continental Divide															
6	PPL to PPL TS PwrP	218	218	217	220	257	307	292	304	261	216	216	218	232	227	218
7	Unk_ECD_Mrktr to Other Entities	183	183	162	159	165	176	185	171	165	152	152	154	175	193	183
8	**Total Imports From ECD**	**401**	**401**	**380**	**379**	**422**	**483**	**477**	**475**	**426**	**369**	**369**	**371**	**406**	**420**	**401**
	Inland Southwest															
9	RMP to RMP TS PwrP	747	747	628	569	566	647	590	589	565	536	536	578	817	893	747
10	**Total Imports From ISW**	**747**	**747**	**628**	**569**	**566**	**647**	**590**	**589**	**565**	**536**	**536**	**578**	**817**	**893**	**747**
	Pacific Southwest															
11	PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0	0
18	NCPA to SCL SNX Ret	0	0	0	0	24.5	46.0	46.0	46.0	46.0	12.0	12.0	0	0	0	0
19	**Total Imports From PSW**	**0**	**0**	**0**	**0**	**325**	**346**	**346**	**346**	**46.0**	**12.0**	**12.0**	**0**	**0**	**0**	**0**
	Total Imports															
20	Federal Entities	121	121	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	121
21	Investor Owned Utilities	968	968	848	792	1127	1258	1187	1197	830	756	756	799	1051	1123	968
22	Marketer	183	183	162	159	165	176	185	171	165	152	152	154	175	193	183
23	Municipality	143	143	143	143	122	164	195	228	254	155	155	143	143	143	143
24	**Total Imports**	**1415**	**1415**	**1154**	**1095**	**1415**	**1831**	**1568**	**1598**	**1251**	**1064**	**1064**	**1096**	**1369**	**1459**	**1415**

Table A-3: Regional: Imports

Operating Year 2019

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	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	1.00
3	BCHP to BPA-P Trty LCARtn	120	120	0	0	0	232	0	0	0	0	0	0	0	0	120
4	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	2.83
5	**Total Imports From CAN**	**266**	**266**	**146**	**147**	**102**	**356**	**155**	**188**	**213**	**147**	**147**	**147**	**146**	**146**	**266**
	East Continental Divide															
6	PPL to PPL TS PwrP	219	219	218	220	257	307	293	305	262	217	217	218	232	228	219
7	Unk_ECD_Mrktr to Other Entities	185	185	164	161	166	178	186	173	167	153	153	155	176	195	185
8	**Total Imports From ECD**	**404**	**404**	**382**	**381**	**424**	**485**	**479**	**477**	**428**	**371**	**371**	**373**	**409**	**422**	**404**
	Inland Southwest															
9	RMP to RMP TS PwrP	755	755	632	573	569	650	594	593	569	540	540	582	826	903	755
10	**Total Imports From ISW**	**755**	**755**	**632**	**573**	**569**	**650**	**594**	**593**	**569**	**540**	**540**	**582**	**826**	**903**	**755**
	Pacific Southwest															
11	PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0	0
18	NCPA to SCL SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	**Total Imports From PSW**	**0**	**0**	**0**	**0**	**300**	**300**	**300**	**300**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Total Imports															
20	Federal Entities	121	121	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	121
21	Investor Owned Utilities	977	977	853	797	1131	1262	1192	1202	835	761	761	803	1061	1133	977
22	Marketer	185	185	164	161	166	178	186	173	167	153	153	155	176	195	185
23	Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143	143
24	**Total Imports**	**1425**	**1425**	**1160**	**1101**	**1395**	**1791**	**1528**	**1558**	**1211**	**1058**	**1058**	**1102**	**1381**	**1471**	**1425**

Table A-3: Regional: Imports

Operating Year 2020

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	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	1.00
3	BCHP to BPA-P Trty LCARtn	120	120	0	0	0	232	0	0	0	0	0	0	0	0	120
4	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	2.83
5	**Total Imports From CAN**	**266**	**266**	**146**	**147**	**102**	**356**	**155**	**188**	**213**	**147**	**147**	**147**	**146**	**146**	**266**
	East Continental Divide															
6	PPL to PPL TS PwrP	219	219	219	221	258	308	294	304	263	218	218	219	233	229	219
7	Unk_ECD_Mrktr to Other Entities	186	186	165	162	168	179	188	174	168	155	155	156	178	196	186
8	**Total Imports From ECD**	**406**	**406**	**384**	**383**	**426**	**487**	**482**	**478**	**431**	**373**	**373**	**376**	**411**	**425**	**406**
	Inland Southwest															
9	RMP to RMP TS PwrP	763	763	636	576	572	653	597	596	572	543	543	585	835	913	763
10	**Total Imports From ISW**	**763**	**763**	**636**	**576**	**572**	**653**	**597**	**596**	**572**	**543**	**543**	**585**	**835**	**913**	**763**
	Pacific Southwest															
11	PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0	0
18	NCPA to SCL SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	**Total Imports From PSW**	**0**	**0**	**0**	**0**	**300**	**300**	**300**	**300**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Total Imports															
20	Federal Entities	121	121	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	121
21	Investor Owned Utilities	985	985	858	801	1135	1266	1196	1204	839	765	765	807	1071	1144	985
22	Marketer	186	186	165	162	168	179	188	174	168	155	155	156	178	196	186
23	Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143	143
24	**Total Imports**	**1435**	**1435**	**1166**	**1106**	**1401**	**1796**	**1534**	**1562**	**1216**	**1063**	**1063**	**1107**	**1392**	**1484**	**1435**

Table A-3: Regional: Imports

Operating Year 2021

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	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	1.00
3	BCHP to BPA-P Trty LCARtn	120	120	0	0	0	232	0	0	0	0	0	0	0	0	120
4	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	2.83
5	**Total Imports From CAN**	**266**	**266**	**146**	**147**	**102**	**356**	**155**	**188**	**213**	**147**	**147**	**147**	**146**	**146**	**266**
	East Continental Divide															
6	PPL to PPL TS PwrP	220	220	220	222	259	309	295	306	263	219	219	220	234	229	220
7	Unk_ECD_Mrktr to Other Entities	188	188	167	163	169	181	189	176	169	156	156	158	179	198	188
8	**Total Imports From ECD**	**408**	**408**	**386**	**385**	**428**	**489**	**484**	**482**	**433**	**375**	**375**	**377**	**413**	**427**	**408**
	Inland Southwest															
9	RMP to RMP TS PwrP	771	771	640	580	575	657	600	599	576	547	547	589	843	922	771
10	**Total Imports From ISW**	**771**	**771**	**640**	**580**	**575**	**657**	**600**	**599**	**576**	**547**	**547**	**589**	**843**	**922**	**771**
	Pacific Southwest															
11	PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0	0
18	NCPA to SCL SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	**Total Imports From PSW**	**0**	**0**	**0**	**0**	**300**	**300**	**300**	**300**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Total Imports															
20	Federal Entities	121	121	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	121
21	Investor Owned Utilities	994	994	863	805	1138	1270	1199	1209	843	769	769	812	1079	1154	994
22	Marketer	188	188	167	163	169	181	189	176	169	156	156	158	179	198	188
23	Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143	143
24	**Total Imports**	**1446**	**1446**	**1173**	**1112**	**1405**	**1802**	**1539**	**1569**	**1222**	**1069**	**1069**	**1113**	**1402**	**1495**	**1446**

Table A-3: Regional: Imports

Operating Year 2022

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	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	1.00
3	BCHP to BPA-P Trty LCARtn	120	120	0	0	0	232	0	0	0	0	0	0	0	0	120
4	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	2.83
5	**Total Imports From CAN**	**266**	**266**	**146**	**147**	**102**	**356**	**155**	**188**	**213**	**147**	**147**	**147**	**146**	**146**	**266**
	East Continental Divide															
6	PPL to PPL TS PwrP	221	221	220	222	260	309	295	307	264	219	219	220	234	230	221
7	Unk_ECD_Mrktr to Other Entities	189	189	168	165	170	182	191	177	171	157	157	159	181	200	189
8	**Total Imports From ECD**	**410**	**410**	**388**	**387**	**430**	**492**	**486**	**484**	**435**	**377**	**377**	**379**	**415**	**429**	**410**
	Inland Southwest															
9	RMP to RMP TS PwrP	779	779	644	584	578	661	604	603	580	550	550	593	852	932	779
10	**Total Imports From ISW**	**779**	**779**	**644**	**584**	**578**	**661**	**604**	**603**	**580**	**550**	**550**	**593**	**852**	**932**	**779**
	Pacific Southwest															
11	PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0	0
18	NCPA to SCL SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	**Total Imports From PSW**	**0**	**0**	**0**	**0**	**300**	**300**	**300**	**300**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Total Imports															
20	Federal Entities	121	121	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	121
21	Investor Owned Utilities	1003	1003	867	810	1142	1275	1204	1214	848	773	773	817	1089	1164	1003
22	Marketer	189	189	168	165	170	182	191	177	171	157	157	159	181	200	189
23	Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143	143
24	**Total Imports**	**1455**	**1455**	**1178**	**1118**	**1410**	**1808**	**1545**	**1575**	**1228**	**1074**	**1074**	**1119**	**1413**	**1507**	**1455**

Table A-3: Regional: Imports

Operating Year 2023

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	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	1.00
3	BCHP to BPA-P Trty LCARtn	120	120	0	0	0	232	0	0	0	0	0	0	0	0	120
4	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	2.83
5	**Total Imports From CAN**	**266**	**266**	**146**	**147**	**102**	**356**	**155**	**188**	**213**	**147**	**147**	**147**	**146**	**146**	**266**
	East Continental Divide															
6	PPL to PPL TS PwrP	221	221	221	223	260	310	296	308	265	220	220	221	235	230	221
7	Unk_ECD_Mrktr to Other Entities	191	191	169	166	172	184	193	179	172	159	159	160	182	201	191
8	**Total Imports From ECD**	**412**	**412**	**390**	**389**	**432**	**494**	**488**	**486**	**437**	**379**	**379**	**381**	**417**	**431**	**412**
	Inland Southwest															
9	RMP to RMP TS PwrP	788	788	648	588	581	665	607	606	583	554	554	597	861	942	788
10	**Total Imports From ISW**	**788**	**788**	**648**	**588**	**581**	**665**	**607**	**606**	**583**	**554**	**554**	**597**	**861**	**942**	**788**
	Pacific Southwest															
11	PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0	0
18	NCPA to SCL SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	**Total Imports From PSW**	**0**	**0**	**0**	**0**	**300**	**300**	**300**	**300**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Total Imports															
20	Federal Entities	121	121	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	121
21	Investor Owned Utilities	1012	1012	872	815	1146	1280	1208	1218	852	778	778	821	1099	1175	1012
22	Marketer	191	191	169	166	172	184	193	179	172	159	159	160	182	201	191
23	Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143	143
24	**Total Imports**	**1467**	**1467**	**1184**	**1124**	**1416**	**1814**	**1550**	**1580**	**1233**	**1080**	**1080**	**1125**	**1424**	**1520**	**1467**

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Exhibit 4
Table A-4: Regional Intra-Regional Transfers

Monthly Capacity
Operating Year 2014 to 2023
Using 1937-Water Conditions

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2014

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Intra-Regional Transfers															
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	131	131	131	131	131	131	131	131	131	0	131	0	0
2	AVWP to PGE CapX Del	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
3	BPA-P to AVWP Setl WNP3 Del	0	0	0	0	135	133	133	133	67.9	67.2	67.2	0	0	0	0
4	BPA-P to BPA-T Ops IntrlAgmt	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
5	BPA-P to Other Entities	225	225	225	0	0	0	0	0	0	0	0	0	0	0	225
6	BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0	0
9	BPA-P to PSE Setl WNP3 Del	0	0	0	0	135	133	133	133	67.9	67.2	67.2	0	0	0	0
10	CIDF to RMP PwrS LTFirm	14.6	14.6	0.30	0	0	0	0	0	0	0	0	12.0	18.4	20.0	14.6
11	CLAT to IPC NX Ret	7.00	7.00	4.00	0	0	4.00	5.00	6.00	0	0	0	10.00	11.0	10.00	7.00
12	DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	EWEB to PGE CapX Del	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	0	0	10.00
14	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	14.0
15	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	15.5
16	IPC to CLAT NX Del	0	0	0	19.0	17.0	0	0	0	13.0	11.0	11.0	0	0	0	0
17	NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	11.2
18	Other Entities to BPA-P	58.0	58.0	58.0	0	250	250	250	250	250	250	250	0	0	0	308
19	Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
20	Other Entities to DOPD	16.0	16.0	16.0	24.0	42.0	42.0	42.0	42.0	24.0	16.0	16.0	16.0	16.0	16.0	16.0
21	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	4.28
22	Other Entities to PGE	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
23	PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	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	1.50
26	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	PPL to BPA-P SNX SumrRtn	0	0	91.6	91.6	91.6	0	0	0	0	0	0	0	0	0	0
28	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to BPA-P Setl WNP3 Rtn	0	0	131	131	131	131	131	131	131	131	131	0	131	0	0
30	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	48.0
31	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
32	TAUC to AVWP PwrS LTFirm	201	201	201	201	201	201	201	201	201	201	201	101	201	201	201
33	**Total Intra-Regional Transfers**	**1014**	**1014**	**1349**	**1089**	**1629**	**1520**	**1521**	**1522**	**1373**	**1366**	**1366**	**630**	**990**	**729**	**1264**
	Intra-Regional Contracts Out															
34	Federal Entities	234	234	234	9.00	287	283	282	283	145	143	143	9.00	9.00	9.00	234
35	Investor Owned Utilities	467	467	819	838	832	724	724	724	737	738	738	365	728	467	467
36	Marketer	203	203	203	153	421	421	421	421	403	395	395	145	145	145	453
37	Municipality	73.8	73.8	59.5	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	71.2	67.6	69.2	73.8
38	Public Utility District	36.5	36.5	33.5	29.5	29.5	33.5	34.5	35.5	29.5	29.5	29.5	39.5	40.5	39.5	36.5
39	**Total Regional Contracts Out**	**1014**	**1014**	**1349**	**1089**	**1629**	**1520**	**1521**	**1522**	**1373**	**1366**	**1366**	**630**	**990**	**729**	**1264**
	Intra-Regional Contracts In															
40	Federal Entities	78.2	78.2	432	374	620	528	528	528	528	532	532	20.2	282	20.2	328
41	Investor Owned Utilities	602	602	585	581	858	858	859	860	716	715	715	502	600	600	602
42	Marketer	241	241	241	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	241
43	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	4.28
44	Public Utility District	89.0	89.0	89.0	116	132	115	115	115	110	100.0	100.0	89.0	89.0	89.0	89.0
45	**Total Regional Contracts In**	**1014**	**1014**	**1349**	**1089**	**1629**	**1520**	**1521**	**1522**	**1373**	**1366**	**1366**	**630**	**990**	**729**	**1264**

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2015

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Intra-Regional Transfers															
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	131	131	131	131	131	131	131	131	131	0	131	0	0
2	AVWP to PGE CapX Del	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
3	BPA-P to AVWP Setl WNP3 Del	0	0	0	0	136	135	134	133	68.0	67.2	67.2	0	0	0	0
4	BPA-P to BPA-T Ops IntrlAgmt	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
5	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0	0
9	BPA-P to PSE Setl WNP3 Del	0	0	0	0	136	135	134	133	68.0	67.2	67.2	0	0	0	0
10	CIDF to RMP PwrS LTFirm	14.8	14.8	0	0	0	0	0	0	0	0	0	11.8	18.6	19.9	14.8
11	CLAT to IPC NX Ret	7.00	7.00	4.00	0	0	4.00	5.00	6.00	0	0	0	10.00	11.0	10.00	7.00
12	DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	EWEB to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	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	14.0
15	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	15.5
16	IPC to CLAT NX Del	0	0	0	19.0	17.0	0	0	0	13.0	11.0	11.0	0	0	0	0
17	NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	11.2
18	Other Entities to BPA-P	0	0	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
19	Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
20	Other Entities to DOPD	18.0	18.0	18.0	27.0	47.0	47.0	47.0	47.0	27.0	18.0	18.0	18.0	18.0	18.0	18.0
21	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	4.28
22	Other Entities to PGE	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
23	PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	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	1.50
26	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to BPA-P Setl WNP3 Rtn	0	0	131	131	131	131	131	131	131	131	131	0	131	0	0
30	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	48.0
31	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
32	TAUC to AVWP PwrS LTFirm	201	201	201	201	201	201	201	201	201	201	201	201	101	201	201
33	**Total Intra-Regional Transfers**	**723**	**723**	**967**	**1041**	**1334**	**1318**	**1318**	**1318**	**1168**	**1159**	**1159**	**773**	**943**	**782**	**774**
	Intra-Regional Contracts Out															
34	Federal Entities	9.00	9.00	9.00	9.00	288	285	283	283	145	143	143	9.00	9.00	9.00	9.00
35	Investor Owned Utilities	467	467	728	746	741	724	724	724	737	738	738	466	628	467	467
36	Marketer	147	147	147	207	227	227	227	227	207	198	198	198	198	198	198
37	Municipality	64.0	64.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	61.0	67.8	69.1	64.0
38	Public Utility District	36.5	36.5	33.5	29.5	29.5	33.5	34.5	35.5	29.5	29.5	29.5	39.5	40.5	39.5	36.5
39	**Total Regional Contracts Out**	**723**	**723**	**967**	**1041**	**1334**	**1318**	**1318**	**1318**	**1168**	**1159**	**1159**	**773**	**943**	**782**	**774**
	Intra-Regional Contracts In															
40	Federal Entities	20.2	20.2	282	333	329	329	329	329	329	333	333	71.2	333	71.2	71.2
41	Investor Owned Utilities	592	592	575	571	850	851	850	850	707	705	705	592	500	600	592
42	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	15.5
43	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	4.28
44	Public Utility District	91.0	91.0	91.0	119	137	120	120	120	113	102	102	91.0	91.0	91.0	91.0
45	**Total Regional Contracts In**	**723**	**723**	**967**	**1041**	**1334**	**1318**	**1318**	**1318**	**1168**	**1159**	**1159**	**773**	**943**	**782**	**774**

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2016

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Intra-Regional Transfers															
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	131	131	131	131	131	131	131	131	131	0	131	0	0
2	AVWP to PGE CapX Del	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
3	BPA-P to AVWP Setl WNP3 Del	0	0	0	0	134	133	133	133	67.3	67.1	67.1	0	0	0	0
4	BPA-P to BPA-T Ops IntrlAgmt	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
5	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0	0
9	BPA-P to PSE Setl WNP3 Del	0	0	0	0	134	133	133	133	67.3	67.1	67.1	0	0	0	0
10	CIDF to RMP PwrS LTFirm	14.6	14.6	0.25	0	0	0	0	0	0	0	0	11.9	18.5	19.8	14.6
11	CLAT to IPC NX Ret	7.00	7.00	4.00	0	0	4.00	0	0	0	0	0	0	0	0	7.00
12	DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	EWEB to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	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	14.0
15	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	15.5
16	IPC to CLAT NX Del	0	0	0	19.0	17.0	0	0	0	0	0	0	0	0	0	0
17	NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	11.2
18	Other Entities to BPA-P	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	102
19	Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
20	Other Entities to DOPD	20.0	20.0	20.0	30.0	53.0	53.0	53.0	53.0	30.0	20.0	20.0	20.0	20.0	20.0	20.0
21	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	4.28
22	Other Entities to PGE	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
23	PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	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	1.50
26	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to BPA-P Setl WNP3 Rtn	0	0	131	131	131	131	131	131	131	131	131	0	131	0	0
30	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	48.0
31	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
32	TAUC to AVWP PwrS LTFirm	201	201	201	201	201	201	201	201	201	101	101	201	201	201	201
33	**Total Intra-Regional Transfers**	**776**	**776**	**1020**	**1044**	**1335**	**1322**	**1318**	**1318**	**1156**	**1049**	**1049**	**765**	**1034**	**774**	**827**
	Intra-Regional Contracts Out															
34	Federal Entities	9.00	9.00	9.00	9.00	283	282	282	283	144	143	143	9.00	9.00	9.00	9.00
35	Investor Owned Utilities	467	467	728	746	741	724	724	724	724	627	627	466	728	467	467
36	Marketer	200	200	200	210	233	233	233	233	210	200	200	200	200	200	251
37	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	63.8
38	Public Utility District	36.5	36.5	33.5	29.5	29.5	33.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	36.5
39	**Total Regional Contracts Out**	**776**	**776**	**1020**	**1044**	**1335**	**1322**	**1318**	**1318**	**1156**	**1049**	**1049**	**765**	**1034**	**774**	**827**
	Intra-Regional Contracts In															
40	Federal Entities	71.2	71.2	333	333	329	329	329	329	329	333	333	71.2	333	71.2	122
41	Investor Owned Utilities	592	592	575	571	845	848	844	844	705	604	604	582	589	590	592
42	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	15.5
43	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	4.28
44	Public Utility District	93.0	93.0	93.0	122	143	126	126	126	103	93.0	93.0	93.0	93.0	93.0	93.0
45	**Total Regional Contracts In**	**776**	**776**	**1020**	**1044**	**1335**	**1322**	**1318**	**1318**	**1156**	**1049**	**1049**	**765**	**1034**	**774**	**827**

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2017

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Intra-Regional Transfers															
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	131	131	131	131	131	131	131	131	131	0	131	0	0
2	AVWP to PGE CapX Del	150	150	150	150	150	150	0	0	0	0	0	0	0	0	150
3	BPA-P to AVWP Setl WNP3 Del	0	0	0	0	135	134	135	133	67.4	67.1	67.1	0	0	0	0
4	BPA-P to BPA-T Ops IntrlAgmt	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
5	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0	0
9	BPA-P to PSE Setl WNP3 Del	0	0	0	0	135	134	135	133	67.4	67.1	67.1	0	0	0	0
10	CIDF to RMP PwrS LTFirm	14.6	14.6	0.25	0	0	0	0	0	0	0	0	11.9	18.5	19.8	14.6
11	CLAT to IPC NX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	EWEB to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	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	14.0
15	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	15.5
16	IPC to CLAT NX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	11.2
18	Other Entities to BPA-P	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	102
19	Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
20	Other Entities to DOPD	7.00	7.00	7.00	11.0	19.0	19.0	19.0	19.0	11.0	7.00	7.00	7.00	7.00	7.00	7.00
21	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	4.28
22	Other Entities to PGE	100.0	100.0	100.0	0	0	0	0	0	0	0	0	0	0	0	100.0
23	PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	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	1.50
26	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to BPA-P Setl WNP3 Rtn	0	0	131	131	131	131	131	131	131	131	131	0	131	0	0
30	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	48.0
31	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
32	TAUC to AVWP PwrS LTFirm	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201
33	**Total Intra-Regional Transfers**	**756**	**756**	**1003**	**906**	**1188**	**1186**	**1038**	**1034**	**887**	**886**	**886**	**502**	**771**	**511**	**807**
	Intra-Regional Contracts Out															
34	Federal Entities	9.00	9.00	9.00	9.00	286	284	287	282	144	143	143	9.00	9.00	9.00	9.00
35	Investor Owned Utilities	467	467	728	627	624	624	474	474	474	477	477	216	478	217	467
36	Marketer	187	187	187	191	199	199	199	199	191	187	187	187	187	187	238
37	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	63.8
38	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	29.5
39	**Total Regional Contracts Out**	**756**	**756**	**1003**	**906**	**1188**	**1186**	**1038**	**1034**	**887**	**886**	**886**	**502**	**771**	**511**	**807**
	Intra-Regional Contracts In															
40	Federal Entities	71.2	71.2	333	333	329	329	329	329	329	333	333	71.2	333	71.2	122
41	Investor Owned Utilities	585	585	571	471	748	746	598	594	455	455	455	332	339	340	585
42	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	15.5
43	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	4.28
44	Public Utility District	80.0	80.0	80.0	84.0	92.0	92.0	92.0	92.0	84.0	80.0	80.0	80.0	80.0	80.0	80.0
45	**Total Regional Contracts In**	**756**	**756**	**1003**	**906**	**1188**	**1186**	**1038**	**1034**	**887**	**886**	**886**	**502**	**771**	**511**	**807**

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2018

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Intra-Regional Transfers															
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	AVWP to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	BPA-P to AVWP Setl WNP3 Del	0	0	0	0	136	134	133	133	67.5	67.1	67.1	0	0	0	0
4	BPA-P to BPA-T Ops IntrlAgmt	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
5	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0	0
9	BPA-P to PSE Setl WNP3 Del	0	0	0	0	136	134	133	133	67.5	67.1	67.1	0	0	0	0
10	CIDF to RMP PwrS LTFirm	14.6	14.6	0.25	0	0	0	0	0	0	0	0	11.9	18.5	19.8	14.6
11	CLAT to IPC NX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	EWEB to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	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	14.0
15	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	15.5
16	IPC to CLAT NX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	11.2
18	Other Entities to BPA-P	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	102
19	Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
20	Other Entities to DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	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	4.28
22	Other Entities to PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	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	1.50
26	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to BPA-P Setl WNP3 Rtn	0	0	131	131	131	131	131	131	131	131	131	0	131	0	0
30	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	48.0
31	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
32	TAUC to AVWP PwrS LTFirm	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201
33	**Total Intra-Regional Transfers**	**499**	**499**	**615**	**614**	**888**	**886**	**884**	**884**	**746**	**748**	**748**	**495**	**633**	**504**	**550**
	Intra-Regional Contracts Out															
34	Federal Entities	9.00	9.00	9.00	9.00	287	284	283	282	144	143	143	9.00	9.00	9.00	9.00
35	Investor Owned Utilities	217	217	347	346	343	343	343	343	343	346	346	216	347	217	217
36	Marketer	180	180	180	180	180	180	180	180	180	180	180	180	180	180	231
37	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	63.8
38	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	29.5
39	**Total Regional Contracts Out**	**499**	**499**	**615**	**614**	**888**	**886**	**884**	**884**	**746**	**748**	**748**	**495**	**633**	**504**	**550**
	Intra-Regional Contracts In															
40	Federal Entities	71.2	71.2	202	202	198	198	198	198	198	202	202	71.2	202	71.2	122
41	Investor Owned Utilities	335	335	321	321	599	596	594	594	456	455	455	332	339	340	335
42	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	15.5
43	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	4.28
44	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	73.0
45	**Total Regional Contracts In**	**499**	**499**	**615**	**614**	**888**	**886**	**884**	**884**	**746**	**748**	**748**	**495**	**633**	**504**	**550**

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2019

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Intra-Regional Transfers															
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	AVWP to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	BPA-P to BPA-T Ops IntrlAgmt	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
5	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0	0
9	BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	CIDF to RMP PwrS LTFirm	14.6	14.6	0.25	0	0	0	0	0	0	0	0	11.9	18.5	19.8	14.6
11	CLAT to IPC NX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	EWEB to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	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	14.0
15	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	15.5
16	IPC to CLAT NX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	11.2
18	Other Entities to BPA-P	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	102
19	Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
20	Other Entities to DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	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	4.28
22	Other Entities to PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	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	1.50
26	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to BPA-P Setl WNP3 Rtn	0	0	131	131	131	131	131	131	131	131	131	0	131	0	0
30	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	48.0
31	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
32	TAUC to AVWP PwrS LTFirm	201	201	201	201	201	201	0	0	0	0	0	0	0	0	201
33	**Total Intra-Regional Transfers**	**499**	**499**	**615**	**614**	**617**	**617**	**417**	**417**	**410**	**413**	**413**	**294**	**432**	**303**	**550**
	Intra-Regional Contracts Out															
34	Federal Entities	9.00	9.00	9.00	9.00	16.0	16.0	16.0	16.0	9.00	9.00	9.00	9.00	9.00	9.00	9.00
35	Investor Owned Utilities	217	217	347	346	343	343	142	142	142	145	145	14.8	146	15.8	217
36	Marketer	180	180	180	180	180	180	180	180	180	180	180	180	180	180	231
37	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	63.8
38	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	29.5
39	**Total Regional Contracts Out**	**499**	**499**	**615**	**614**	**617**	**617**	**417**	**417**	**410**	**413**	**413**	**294**	**432**	**303**	**550**
	Intra-Regional Contracts In															
40	Federal Entities	71.2	71.2	202	202	198	198	198	198	198	202	202	71.2	202	71.2	122
41	Investor Owned Utilities	335	335	321	321	328	328	127	127	120	120	120	131	138	139	335
42	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	15.5
43	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	4.28
44	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	73.0
45	**Total Regional Contracts In**	**499**	**499**	**615**	**614**	**617**	**617**	**417**	**417**	**410**	**413**	**413**	**294**	**432**	**303**	**550**

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2020

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Intra-Regional Transfers															
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	AVWP to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	BPA-P to BPA-T Ops IntrlAgmt	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
5	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0	0
9	BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	CIDF to RMP PwrS LTFirm	14.6	14.6	0.25	0	0	0	0	0	0	0	0	11.9	18.5	19.8	14.6
11	CLAT to IPC NX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	EWEB to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	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	14.0
15	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	15.5
16	IPC to CLAT NX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	11.2
18	Other Entities to BPA-P	51.0	51.0	51.0	0	0	0	0	0	0	0	0	0	0	0	51.0
19	Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
20	Other Entities to DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	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	4.28
22	Other Entities to PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	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	1.50
26	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	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	48.0
31	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
32	TAUC to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	**Total Intra-Regional Transfers**	**298**	**298**	**283**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**	**298**
	Intra-Regional Contracts Out															
34	Federal Entities	9.00	9.00	9.00	9.00	16.0	16.0	16.0	16.0	9.00	9.00	9.00	9.00	9.00	9.00	9.00
35	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	15.8
36	Marketer	180	180	180	129	129	129	129	129	129	129	129	129	129	129	180
37	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	63.8
38	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	29.5
39	**Total Regional Contracts Out**	**298**	**298**	**283**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**	**298**
	Intra-Regional Contracts In															
40	Federal Entities	71.2	71.2	71.2	20.2	16.5	16.5	16.5	16.5	16.5	20.2	20.2	20.2	20.2	20.2	71.2
41	Investor Owned Utilities	134	134	120	120	127	127	127	127	120	120	120	131	138	139	134
42	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	15.5
43	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	4.28
44	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	73.0
45	**Total Regional Contracts In**	**298**	**298**	**283**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**	**298**

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2021

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Intra-Regional Transfers															
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	AVWP to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	BPA-P to BPA-T Ops IntrlAgmt	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
5	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0	0
9	BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	CIDF to RMP PwrS LTFirm	14.6	14.6	0.25	0	0	0	0	0	0	0	0	11.9	18.5	19.8	14.6
11	CLAT to IPC NX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	EWEB to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	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	14.0
15	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	15.5
16	IPC to CLAT NX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	11.2
18	Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
20	Other Entities to DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	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	4.28
22	Other Entities to PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	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	1.50
26	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	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	48.0
31	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
32	TAUC to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	**Total Intra-Regional Transfers**	**247**	**247**	**232**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**	**247**
	Intra-Regional Contracts Out															
34	Federal Entities	9.00	9.00	9.00	9.00	16.0	16.0	16.0	16.0	9.00	9.00	9.00	9.00	9.00	9.00	9.00
35	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	15.8
36	Marketer	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129
37	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	63.8
38	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	29.5
39	**Total Regional Contracts Out**	**247**	**247**	**232**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**	**247**
	Intra-Regional Contracts In															
40	Federal Entities	20.2	20.2	20.2	20.2	16.5	16.5	16.5	16.5	16.5	20.2	20.2	20.2	20.2	20.2	20.2
41	Investor Owned Utilities	134	134	120	120	127	127	127	127	120	120	120	131	138	139	134
42	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	15.5
43	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	4.28
44	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	73.0
45	**Total Regional Contracts In**	**247**	**247**	**232**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**	**247**

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2022

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Intra-Regional Transfers															
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	AVWP to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	BPA-P to BPA-T Ops IntrlAgmt	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
5	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0	0
9	BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	CIDF to RMP PwrS LTFirm	14.6	14.6	0.25	0	0	0	0	0	0	0	0	11.9	18.5	19.8	14.6
11	CLAT to IPC NX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	EWEB to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	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	14.0
15	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	15.5
16	IPC to CLAT NX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	11.2
18	Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
20	Other Entities to DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	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	4.28
22	Other Entities to PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	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	1.50
26	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	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	48.0
31	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
32	TAUC to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	**Total Intra-Regional Transfers**	**247**	**247**	**232**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**	**247**
	Intra-Regional Contracts Out															
34	Federal Entities	9.00	9.00	9.00	9.00	16.0	16.0	16.0	16.0	9.00	9.00	9.00	9.00	9.00	9.00	9.00
35	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	15.8
36	Marketer	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129
37	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	63.8
38	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	29.5
39	**Total Regional Contracts Out**	**247**	**247**	**232**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**	**247**
	Intra-Regional Contracts In															
40	Federal Entities	20.2	20.2	20.2	20.2	16.5	16.5	16.5	16.5	16.5	20.2	20.2	20.2	20.2	20.2	20.2
41	Investor Owned Utilities	134	134	120	120	127	127	127	127	120	120	120	131	138	139	134
42	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	15.5
43	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	4.28
44	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	73.0
45	**Total Regional Contracts In**	**247**	**247**	**232**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**	**247**

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2023

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Intra-Regional Transfers															
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	AVWP to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	BPA-P to BPA-T Ops IntrlAgmt	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
5	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	BPA-P to PSE Ops UBkr Repl	0	0	0	0	7.00	7.00	7.00	7.00	0	0	0	0	0	0	0
9	BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	CIDF to RMP PwrS LTFirm	14.6	14.6	0.25	0	0	0	0	0	0	0	0	11.9	18.5	19.8	14.6
11	CLAT to IPC NX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	EWEB to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	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	14.0
15	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	15.5
16	IPC to CLAT NX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	11.2
18	Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
20	Other Entities to DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	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	4.28
22	Other Entities to PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	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	1.50
26	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	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	48.0
31	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
32	TAUC to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	**Total Intra-Regional Transfers**	**247**	**247**	**232**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**	**247**
	Intra-Regional Contracts Out															
34	Federal Entities	9.00	9.00	9.00	9.00	16.0	16.0	16.0	16.0	9.00	9.00	9.00	9.00	9.00	9.00	9.00
35	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	15.8
36	Marketer	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129
37	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	63.8
38	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	29.5
39	**Total Regional Contracts Out**	**247**	**247**	**232**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**	**247**
	Intra-Regional Contracts In															
40	Federal Entities	20.2	20.2	20.2	20.2	16.5	16.5	16.5	16.5	16.5	20.2	20.2	20.2	20.2	20.2	20.2
41	Investor Owned Utilities	134	134	120	120	127	127	127	127	120	120	120	131	138	139	134
42	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	15.5
43	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	4.28
44	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	73.0
45	**Total Regional Contracts In**	**247**	**247**	**232**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**	**247**

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Exhibit 5
Table A-9: Regional Small Hydro

Monthly Capacity
Operating Year 2014 to 2023
Using 1937-Water Conditions

Table A-9: Regional: Small Hydro

Operating Year 2014 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Hydro														
1	Albany-Millersburg Hydro Project	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2	Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
3	Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31
4	Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
5	Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
6	Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13
8	Big Elk Creek YMCA Camp	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9	Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10	Bigg's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11	Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12	Birch Creek (Clark, 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
13	Birch Creek (Gooding,ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14	Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15	Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16	Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17	Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18	Box Canyon	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21	Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22	Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68
26	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	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
31	Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09
32	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
33	Chester Hydroelectic Plant	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30
34	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
35	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
36	Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Cove	1.98	1.98	2.06	1.33	0.78	0.42	0.34	0.35	0.60	0.80	0.80	1.68	1.88	1.71
38	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
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	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Dairy Creek	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	Don Steffen	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
48	Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
49	Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
50	Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51	Eagle Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	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
53	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
54	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
55	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
56	Estacada	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	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
58	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
59	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
60	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
61	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
62	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
63	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

Table A-9: Regional: Small Hydro

Operating Year 2014 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	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
65	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
66	Forgy	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
67	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
68	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
69	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
70	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
71	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
72	Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
73	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
74	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
75	Hettinger	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
76	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
77	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
78	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
79	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
80	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
81	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
82	Joseph Hydro	1.45	1.45	0.86	0.45	0.12	0.07	0.06	0.03	0.03	0.06	0.06	0.18	1.20	2.69
83	Juniper Ridge Hydro	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37
84	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
85	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
86	Koma Kulshan	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
87	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
88	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
89	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
90	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
91	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
92	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
93	Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
94	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
95	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
96	Little Mac	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
97	Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94
98	Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73
99	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
100	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
101	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
102	Loyd F. Fery Farms	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04
103	LQ-LS Drains	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
104	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
105	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
106	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
107	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
108	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
109	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
110	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
111	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
112	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
113	Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	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
115	Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
116	Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117	Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10
125	Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03
126	Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23
127	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
128	Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07

Table A-9: Regional: Small Hydro

Operating Year 2014 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16
136	Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38
137	Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80
138	Preston	0.31	0.31	0.38	0.37	0.38	0.37	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38
139	Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28
140	Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
141	Ravenscroft Ranch	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
142	Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15
143	Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17
144	Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
145	Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64
146	Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
147	Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40
148	Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40
149	Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
150	Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36
151	Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11
152	Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86
153	Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154	Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
155	Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03
156	Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
157	South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47
158	Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
159	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Stayton Hydro	0.60	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
161	Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
162	Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
163	Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
164	Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4
165	Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10
166	Sygitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03
168	Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
169	Tieton Dam (Yakima)	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
170	Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
171	Twin Falls (WA)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
172	Twin Reservoirs	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20
173	Upper Little Sheep Creek	0.40	0.40	0.30	0.30	0.40	0.50	0.50	0.50	0.90	1.60	1.60	0.80	1.50	1.10
174	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
175	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
176	Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76
177	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
178	Weeks Falls	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
179	White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
180	White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07
181	Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63
182	Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03
183	Wolf Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
184	Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
185	Yakama Drop 2	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
186	Yakama Drop 3	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
187	Youngs Creek	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
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	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
190	Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
191	Investor Owned Utilities	223	223	201	171	162	150	143	153	172	210	212	250	250	238

Table A-9: Regional: Small Hydro

Operating Year 2014 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
192	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
193	Municipality	136	135	87.2	36.0	1.07	1.77	1.07	2.57	11.1	81.7	81.7	166	186	192
194	Public Utility District	26.6	26.6	24.2	21.1	13.1	13.1	13.1	13.1	20.9	26.2	26.2	28.6	28.3	27.9
195	**Total Small Hydro**	**401**	**399**	**327**	**244**	**185**	**174**	**166**	**177**	**213**	**327**	**336**	**462**	**481**	**473**

Table A-9: Regional: Small Hydro

Operating Year 2015 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Hydro														
1	Albany-Millersburg Hydro Project	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2	Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
3	Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31
4	Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
5	Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
6	Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13
8	Big Elk Creek YMCA Camp	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9	Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10	Bigg's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11	Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12	Birch Creek (Clark, 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
13	Birch Creek (Gooding,ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14	Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15	Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16	Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17	Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18	Box Canyon	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21	Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22	Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68
26	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	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
31	Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09
32	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
33	Chester Hydroelectic Plant	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30
34	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
35	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
36	Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Cove	1.98	1.98	2.06	1.33	0.78	0.42	0.34	0.35	0.60	0.80	0.80	1.68	1.88	1.71
38	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
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	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Dairy Creek	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	Don Steffen	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
48	Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
49	Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
50	Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51	Eagle Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	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
53	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
54	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
55	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
56	Estacada	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	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
58	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
59	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
60	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
61	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
62	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
63	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

Table A-9: Regional: Small Hydro

Operating Year 2015 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	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
65	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
66	Forgy	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
67	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
68	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
69	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
70	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
71	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
72	Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
73	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
74	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
75	Hettinger	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
76	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
77	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
78	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
79	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
80	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
81	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
82	Joseph Hydro	1.45	1.45	0.86	0.45	0.12	0.07	0.06	0.03	0.03	0.06	0.06	0.18	1.20	2.69
83	Juniper Ridge Hydro	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37
84	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
85	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
86	Koma Kulshan	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
87	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
88	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
89	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
90	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
91	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
92	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
93	Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
94	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
95	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
96	Little Mac	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
97	Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94
98	Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73
99	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
100	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
101	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
102	Loyd F. Fery Farms	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04
103	LQ-LS Drains	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
104	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
105	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
106	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
107	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
108	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
109	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
110	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
111	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
112	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
113	Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	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
115	Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
116	Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117	Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10
125	Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03
126	Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23
127	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
128	Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07

Table A-9: Regional: Small Hydro

Operating Year 2015 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16
136	Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38
137	Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80
138	Preston	0.31	0.31	0.38	0.37	0.38	0.37	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38
139	Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28
140	Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
141	Ravenscroft Ranch	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
142	Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15
143	Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17
144	Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
145	Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64
146	Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
147	Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40
148	Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40
149	Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
150	Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36
151	Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11
152	Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86
153	Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154	Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
155	Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03
156	Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
157	South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47
158	Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
159	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Stayton Hydro	0.60	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
161	Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
162	Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
163	Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
164	Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4
165	Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10
166	Sygitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03
168	Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
169	Tieton Dam (Yakima)	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
170	Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
171	Twin Falls (WA)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
172	Twin Reservoirs	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20
173	Upper Little Sheep Creek	0.40	0.40	0.30	0.30	0.40	0.50	0.50	0.50	0.90	1.60	1.60	0.80	1.50	1.10
174	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
175	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
176	Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76
177	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
178	Weeks Falls	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
179	White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
180	White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07
181	Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63
182	Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03
183	Wolf Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
184	Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
185	Yakama Drop 2	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
186	Yakama Drop 3	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
187	Youngs Creek	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
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	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
190	Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
191	Investor Owned Utilities	223	223	201	171	162	150	143	153	172	210	212	250	250	238

Table A-9: Regional: Small Hydro

Operating Year 2015 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
192	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
193	Municipality	136	135	87.2	36.0	1.07	1.77	1.07	2.57	11.1	81.7	81.7	166	186	192
194	Public Utility District	26.6	26.6	24.2	21.1	13.1	13.1	13.1	13.1	20.9	26.2	26.2	28.6	28.3	27.9
195	**Total Small Hydro**	**401**	**399**	**327**	**244**	**185**	**174**	**166**	**177**	**213**	**327**	**336**	**462**	**481**	**473**

Table A-9: Regional: Small Hydro

Operating Year 2016 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Hydro														
1	Albany-Millersburg Hydro Project	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2	Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
3	Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31
4	Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
5	Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
6	Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13
8	Big Elk Creek YMCA Camp	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9	Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10	Bigg's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11	Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12	Birch Creek (Clark, 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
13	Birch Creek (Gooding,ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14	Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15	Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16	Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17	Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18	Box Canyon	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21	Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22	Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68
26	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	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
31	Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09
32	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
33	Chester Hydroelectic Plant	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30
34	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
35	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
36	Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Cove	1.98	1.98	2.06	1.33	0.78	0.42	0.34	0.35	0.60	0.80	0.80	1.68	1.88	1.71
38	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
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	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Dairy Creek	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	Don Steffen	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
48	Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
49	Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
50	Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51	Eagle Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	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
53	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
54	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
55	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
56	Estacada	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	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
58	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
59	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
60	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
61	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
62	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
63	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

Table A-9: Regional: Small Hydro

Operating Year 2016 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	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
65	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
66	Forgy	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
67	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
68	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
69	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
70	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
71	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
72	Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
73	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
74	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
75	Hettinger	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
76	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
77	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
78	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
79	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
80	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
81	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
82	Joseph Hydro	1.45	1.45	0.86	0.45	0.12	0.07	0.06	0.03	0.03	0.06	0.06	0.18	1.20	2.69
83	Juniper Ridge Hydro	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37
84	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
85	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
86	Koma Kulshan	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
87	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
88	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
89	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
90	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
91	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
92	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
93	Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
94	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
95	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
96	Little Mac	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
97	Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94
98	Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73
99	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
100	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
101	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
102	Loyd F. Fery Farms	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04
103	LQ-LS Drains	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
104	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
105	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
106	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
107	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
108	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
109	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
110	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
111	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
112	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
113	Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	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
115	Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
116	Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117	Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10
125	Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03
126	Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23
127	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
128	Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07

Table A-9: Regional: Small Hydro

Operating Year 2016 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16
136	Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38
137	Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80
138	Preston	0.31	0.31	0.38	0.37	0.38	0.37	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38
139	Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28
140	Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
141	Ravenscroft Ranch	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
142	Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15
143	Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17
144	Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
145	Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64
146	Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
147	Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40
148	Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40
149	Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
150	Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36
151	Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11
152	Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86
153	Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154	Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
155	Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03
156	Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
157	South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47
158	Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
159	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Stayton Hydro	0.60	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
161	Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
162	Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
163	Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
164	Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4
165	Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10
166	Sygitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03
168	Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
169	Tieton Dam (Yakima)	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
170	Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
171	Twin Falls (WA)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
172	Twin Reservoirs	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20
173	Upper Little Sheep Creek	0.40	0.40	0.30	0.30	0.40	0.50	0.50	0.50	0.90	1.60	1.60	0.80	1.50	1.10
174	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
175	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
176	Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76
177	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
178	Weeks Falls	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
179	White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
180	White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07
181	Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63
182	Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03
183	Wolf Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
184	Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
185	Yakama Drop 2	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
186	Yakama Drop 3	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
187	Youngs Creek	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
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	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
190	Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
191	Investor Owned Utilities	223	223	201	171	162	150	143	153	172	210	212	250	250	238

Table A-9: Regional: Small Hydro

Operating Year 2016 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
192	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
193	Municipality	136	135	87.2	36.0	1.07	1.77	1.07	2.57	11.1	81.7	81.7	166	186	192
194	Public Utility District	26.6	26.6	24.2	21.1	13.1	13.1	13.1	13.1	20.9	26.2	26.2	28.6	28.3	27.9
195	**Total Small Hydro**	**401**	**399**	**327**	**244**	**185**	**174**	**166**	**177**	**213**	**327**	**336**	**462**	**481**	**473**

Table A-9: Regional: Small Hydro

Operating Year 2017 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Hydro														
1	Albany-Millersburg Hydro Project	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2	Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
3	Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31
4	Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
5	Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
6	Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13
8	Big Elk Creek YMCA Camp	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9	Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10	Bigg's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11	Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12	Birch Creek (Clark, 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
13	Birch Creek (Gooding,ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14	Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15	Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16	Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17	Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18	Box Canyon	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21	Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22	Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68
26	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	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
31	Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09
32	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
33	Chester Hydroelectic Plant	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30
34	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
35	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
36	Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Cove	1.98	1.98	2.06	1.33	0.78	0.42	0.34	0.35	0.60	0.80	0.80	1.68	1.88	1.71
38	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
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	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Dairy Creek	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	Don Steffen	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
48	Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
49	Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
50	Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51	Eagle Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	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
53	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
54	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
55	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
56	Estacada	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	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
58	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
59	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
60	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
61	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
62	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
63	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

Table A-9: Regional: Small Hydro

Operating Year 2017 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	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
65	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
66	Forgy	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
67	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
68	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
69	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
70	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
71	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
72	Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
73	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
74	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
75	Hettinger	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
76	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
77	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
78	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
79	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
80	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
81	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
82	Joseph Hydro	1.45	1.45	0.86	0.45	0.12	0.07	0.06	0.03	0.03	0.06	0.06	0.18	1.20	2.69
83	Juniper Ridge Hydro	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37
84	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
85	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
86	Koma Kulshan	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
87	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
88	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
89	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
90	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
91	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
92	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
93	Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
94	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
95	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
96	Little Mac	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
97	Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94
98	Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73
99	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
100	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
101	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
102	Loyd F. Fery Farms	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04
103	LQ-LS Drains	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
104	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
105	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
106	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
107	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
108	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
109	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
110	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
111	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
112	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
113	Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	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
115	Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
116	Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117	Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10
125	Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03
126	Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23
127	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
128	Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07

Table A-9: Regional: Small Hydro

Operating Year 2017 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16
136	Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38
137	Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80
138	Preston	0.31	0.31	0.38	0.37	0.38	0.37	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38
139	Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28
140	Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
141	Ravenscroft Ranch	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
142	Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15
143	Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17
144	Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
145	Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64
146	Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
147	Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40
148	Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40
149	Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
150	Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36
151	Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11
152	Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86
153	Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154	Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
155	Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03
156	Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
157	South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47
158	Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
159	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Stayton Hydro	0.60	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
161	Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
162	Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
163	Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
164	Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4
165	Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10
166	Sygitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03
168	Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
169	Tieton Dam (Yakima)	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
170	Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
171	Twin Falls (WA)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
172	Twin Reservoirs	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20
173	Upper Little Sheep Creek	0.40	0.40	0.30	0.30	0.40	0.50	0.50	0.50	0.90	1.60	1.60	0.80	1.50	1.10
174	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
175	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
176	Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76
177	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
178	Weeks Falls	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
179	White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
180	White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07
181	Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63
182	Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03
183	Wolf Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
184	Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
185	Yakama Drop 2	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
186	Yakama Drop 3	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
187	Youngs Creek	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
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	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
190	Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
191	Investor Owned Utilities	223	223	201	171	162	150	143	153	172	210	212	250	250	238

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Operating Year 2017 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
192	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
193	Municipality	136	135	87.2	36.0	1.07	1.77	1.07	2.57	11.1	81.7	81.7	166	186	192
194	Public Utility District	26.6	26.6	24.2	21.1	13.1	13.1	13.1	13.1	20.9	26.2	26.2	28.6	28.3	27.9
195	**Total Small Hydro**	**401**	**399**	**327**	**244**	**185**	**174**	**166**	**177**	**213**	**327**	**336**	**462**	**481**	**473**

Table A-9: Regional: Small Hydro

Operating Year 2018 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Hydro														
1	Albany-Millersburg Hydro Project	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2	Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
3	Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31
4	Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
5	Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
6	Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13
8	Big Elk Creek YMCA Camp	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9	Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10	Bigg's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11	Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12	Birch Creek (Clark, 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
13	Birch Creek (Gooding,ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14	Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15	Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16	Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17	Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18	Box Canyon	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21	Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22	Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68
26	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	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
31	Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09
32	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
33	Chester Hydroelectic Plant	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30
34	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
35	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
36	Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Cove	1.98	1.98	2.06	1.33	0.78	0.42	0.34	0.35	0.60	0.80	0.80	1.68	1.88	1.71
38	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
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	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Dairy Creek	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	Don Steffen	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
48	Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
49	Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
50	Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51	Eagle Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	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
53	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
54	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
55	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
56	Estacada	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	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
58	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
59	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
60	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
61	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
62	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
63	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

Table A-9: Regional: Small Hydro

Operating Year 2018 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	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
65	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
66	Forgy	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
67	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
68	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
69	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
70	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
71	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
72	Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
73	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
74	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
75	Hettinger	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
76	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
77	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
78	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
79	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
80	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
81	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
82	Joseph Hydro	1.45	1.45	0.86	0.45	0.12	0.07	0.06	0.03	0.03	0.06	0.06	0.18	1.20	2.69
83	Juniper Ridge Hydro	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37
84	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
85	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
86	Koma Kulshan	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
87	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
88	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
89	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
90	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
91	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
92	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
93	Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
94	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
95	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
96	Little Mac	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
97	Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94
98	Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73
99	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
100	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
101	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
102	Loyd F. Fery Farms	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04
103	LQ-LS Drains	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
104	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
105	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
106	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
107	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
108	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
109	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
110	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
111	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
112	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
113	Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	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
115	Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
116	Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117	Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10
125	Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03
126	Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23
127	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
128	Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07

Table A-9: Regional: Small Hydro

Operating Year 2018 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16
136	Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38
137	Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80
138	Preston	0.31	0.31	0.38	0.37	0.38	0.37	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38
139	Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28
140	Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
141	Ravenscroft Ranch	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
142	Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15
143	Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17
144	Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
145	Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64
146	Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
147	Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40
148	Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40
149	Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
150	Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36
151	Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11
152	Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86
153	Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154	Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
155	Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03
156	Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
157	South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47
158	Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
159	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Stayton Hydro	0.60	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
161	Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
162	Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
163	Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
164	Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4
165	Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10
166	Sygitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03
168	Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
169	Tieton Dam (Yakima)	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
170	Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
171	Twin Falls (WA)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
172	Twin Reservoirs	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20
173	Upper Little Sheep Creek	0.40	0.40	0.30	0.30	0.40	0.50	0.50	0.50	0.90	1.60	1.60	0.80	1.50	1.10
174	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
175	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
176	Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76
177	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
178	Weeks Falls	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
179	White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
180	White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07
181	Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63
182	Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03
183	Wolf Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
184	Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
185	Yakama Drop 2	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
186	Yakama Drop 3	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
187	Youngs Creek	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
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	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
190	Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
191	Investor Owned Utilities	223	223	201	171	162	150	143	153	172	210	212	250	250	238

Table A-9: Regional: Small Hydro

Operating Year 2018 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
192	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
193	Municipality	136	135	87.2	36.0	1.07	1.77	1.07	2.57	11.1	81.7	81.7	166	186	192
194	Public Utility District	26.6	26.6	24.2	21.1	13.1	13.1	13.1	13.1	20.9	26.2	26.2	28.6	28.3	27.9
195	**Total Small Hydro**	**401**	**399**	**327**	**244**	**185**	**174**	**166**	**177**	**213**	**327**	**336**	**462**	**481**	**473**

Table A-9: Regional: Small Hydro

Operating Year 2019 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Hydro														
1	Albany-Millersburg Hydro Project	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2	Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
3	Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31
4	Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
5	Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
6	Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13
8	Big Elk Creek YMCA Camp	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9	Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10	Bigg's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11	Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12	Birch Creek (Clark, 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
13	Birch Creek (Gooding,ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14	Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15	Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16	Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17	Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18	Box Canyon	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21	Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22	Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0.06	2.94	2.94	7.01	8.16	8.68	8.26
26	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	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
31	Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09
32	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
33	Chester Hydroelectic Plant	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30
34	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
35	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
36	Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Cove	1.98	1.98	2.06	1.33	0.78	0.42	0.34	0.35	0.60	0.80	0.80	1.68	1.88	1.71
38	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
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	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Dairy Creek	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	Don Steffen	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
48	Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
49	Dry Creek	0.94	0.94	1.00	0.80	0.43	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09	0.94
50	Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51	Eagle Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	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
53	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
54	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
55	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
56	Estacada	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	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
58	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
59	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
60	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
61	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
62	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
63	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

Table A-9: Regional: Small Hydro

Operating Year 2019 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	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
65	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
66	Forgy	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
67	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
68	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
69	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
70	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
71	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
72	Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
73	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
74	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
75	Hettinger	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
76	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
77	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
78	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
79	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
80	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
81	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
82	Joseph Hydro	1.45	1.45	0.86	0.45	0.12	0.07	0.06	0.03	0.03	0.06	0.06	0.18	1.20	2.69
83	Juniper Ridge Hydro	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37
84	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
85	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
86	Koma Kulshan	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
87	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
88	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
89	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
90	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
91	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
92	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
93	Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
94	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
95	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
96	Little Mac	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
97	Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94
98	Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73
99	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
100	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
101	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
102	Loyd F. Fery Farms	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04
103	LQ-LS Drains	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
104	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
105	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
106	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
107	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
108	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
109	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
110	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
111	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
112	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
113	Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	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
115	Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
116	Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117	Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10
125	Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03
126	Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23
127	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
128	Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07

Table A-9: Regional: Small Hydro

Operating Year 2019 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16
136	Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38
137	Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80
138	Preston	0.31	0.31	0.38	0.37	0.38	0.37	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38
139	Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28
140	Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
141	Ravenscroft Ranch	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
142	Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15
143	Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17
144	Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
145	Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64
146	Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
147	Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40
148	Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40
149	Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
150	Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36
151	Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11
152	Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86
153	Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154	Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
155	Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03
156	Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
157	South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47
158	Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
159	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Stayton Hydro	0.60	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
161	Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
162	Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
163	Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
164	Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4
165	Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10
166	Sygitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03
168	Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
169	Tieton Dam (Yakima)	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
170	Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
171	Twin Falls (WA)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
172	Twin Reservoirs	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20
173	Upper Little Sheep Creek	0.40	0.40	0.30	0.30	0.40	0.50	0.50	0.50	0.90	1.60	1.60	0.80	1.50	1.10
174	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
175	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
176	Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76
177	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
178	Weeks Falls	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
179	White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
180	White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07
181	Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63
182	Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03
183	Wolf Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
184	Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
185	Yakama Drop 2	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
186	Yakama Drop 3	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
187	Youngs Creek	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
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	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
190	Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
191	Investor Owned Utilities	223	223	201	171	162	150	143	153	175	210	216	253	250	236

Table A-9: Regional: Small Hydro

Operating Year 2019 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
192	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
193	Municipality	136	135	87.2	36.0	1.07	1.77	1.07	2.57	11.1	81.7	81.7	166	186	192
194	Public Utility District	26.6	26.6	24.2	21.1	13.1	13.1	13.1	13.1	20.9	26.2	26.2	28.6	28.3	27.9
195	**Total Small Hydro**	**401**	**399**	**327**	**244**	**185**	**174**	**166**	**178**	**216**	**327**	**341**	**464**	**481**	**472**

Table A-9: Regional: Small Hydro

Operating Year 2020 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Hydro														
1	Albany-Millersburg Hydro Project	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2	Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
3	Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31
4	Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
5	Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
6	Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13
8	Big Elk Creek YMCA Camp	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9	Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10	Bigg's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11	Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12	Birch Creek (Clark, 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
13	Birch Creek (Gooding,ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14	Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15	Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16	Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17	Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18	Box Canyon	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21	Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22	Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Bypass	8.26	6.54	2.82	0.99	0	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68
26	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	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
31	Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09
32	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
33	Chester Hydroelectic Plant	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30
34	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
35	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
36	Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Cove	1.98	1.98	2.06	1.33	0.78	0.42	0.34	0.35	0.60	0.80	0.80	1.68	1.88	1.71
38	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
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	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Dairy Creek	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	Don Steffen	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
48	Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
49	Dry Creek	0.94	1.00	0.80	0.43	0.33	0.27	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
50	Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51	Eagle Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	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
53	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
54	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
55	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
56	Estacada	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	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
58	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
59	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
60	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
61	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
62	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
63	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

Table A-9: Regional: Small Hydro

Operating Year 2020 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	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
65	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
66	Forgy	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
67	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
68	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
69	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
70	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
71	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
72	Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
73	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
74	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
75	Hettinger	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
76	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
77	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
78	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
79	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
80	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
81	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
82	Joseph Hydro	1.45	1.45	0.86	0.45	0.12	0.07	0.06	0.03	0.03	0.06	0.06	0.18	1.20	2.69
83	Juniper Ridge Hydro	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37
84	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
85	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
86	Koma Kulshan	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
87	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
88	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
89	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
90	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
91	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
92	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
93	Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
94	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
95	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
96	Little Mac	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
97	Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94
98	Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73
99	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
100	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
101	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
102	Loyd F. Fery Farms	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04
103	LQ-LS Drains	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
104	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
105	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
106	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
107	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
108	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
109	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
110	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
111	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
112	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
113	Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	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
115	Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
116	Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117	Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10
125	Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03
126	Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23
127	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
128	Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07

Table A-9: Regional: Small Hydro

Operating Year 2020 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16
136	Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38
137	Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80
138	Preston	0.31	0.31	0.38	0.37	0.38	0.37	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38
139	Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28
140	Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
141	Ravenscroft Ranch	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
142	Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15
143	Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17
144	Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
145	Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64
146	Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
147	Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40
148	Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40
149	Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
150	Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36
151	Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11
152	Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86
153	Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154	Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
155	Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03
156	Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
157	South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47
158	Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
159	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Stayton Hydro	0.60	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
161	Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
162	Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
163	Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
164	Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4
165	Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10
166	Sygitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03
168	Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
169	Tieton Dam (Yakima)	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
170	Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
171	Twin Falls (WA)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
172	Twin Reservoirs	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20
173	Upper Little Sheep Creek	0.40	0.40	0.30	0.30	0.40	0.50	0.50	0.50	0.90	1.60	1.60	0.80	1.50	1.10
174	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
175	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
176	Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76
177	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
178	Weeks Falls	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
179	White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
180	White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07
181	Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63
182	Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03
183	Wolf Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
184	Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
185	Yakama Drop 2	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
186	Yakama Drop 3	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
187	Youngs Creek	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
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	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
190	Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
191	Investor Owned Utilities	223	221	197	169	161	150	143	153	172	210	212	250	250	238

Table A-9: Regional: Small Hydro

Operating Year 2020 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
192	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
193	Municipality	136	135	87.2	36.0	1.07	1.77	1.07	2.57	11.1	81.7	81.7	166	186	192
194	Public Utility District	26.6	26.6	24.2	21.1	13.1	13.1	13.1	13.1	20.9	26.2	26.2	28.6	28.3	27.9
195	**Total Small Hydro**	**401**	**398**	**323**	**242**	**184**	**174**	**166**	**177**	**213**	**327**	**336**	**462**	**481**	**473**

Table A-9: Regional: Small Hydro

Operating Year 2021 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Hydro														
1	Albany-Millersburg Hydro Project	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2	Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
3	Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31
4	Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
5	Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
6	Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13
8	Big Elk Creek YMCA Camp	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9	Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10	Bigg's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11	Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12	Birch Creek (Clark, 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
13	Birch Creek (Gooding,ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14	Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15	Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16	Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17	Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18	Box Canyon	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21	Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22	Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68
26	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	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
31	Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09
32	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
33	Chester Hydroelectic Plant	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30
34	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
35	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
36	Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Cove	1.98	1.98	2.06	1.33	0.78	0.42	0.34	0.35	0.60	0.80	0.80	1.68	1.88	1.71
38	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
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	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Dairy Creek	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	Don Steffen	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
48	Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
49	Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
50	Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51	Eagle Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	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
53	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
54	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
55	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
56	Estacada	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	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
58	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
59	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
60	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
61	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
62	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
63	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

Table A-9: Regional: Small Hydro

Operating Year 2021 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	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
65	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
66	Forgy	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
67	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
68	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
69	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
70	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
71	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
72	Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
73	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
74	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
75	Hettinger	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
76	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
77	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
78	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
79	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
80	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
81	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
82	Joseph Hydro	1.45	1.45	0.86	0.45	0.12	0.07	0.06	0.03	0.03	0.06	0.06	0.18	1.20	2.69
83	Juniper Ridge Hydro	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37
84	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
85	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
86	Koma Kulshan	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
87	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
88	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
89	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
90	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
91	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
92	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
93	Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
94	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
95	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
96	Little Mac	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
97	Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94
98	Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73
99	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
100	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
101	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
102	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
103	LQ-LS Drains	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
104	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
105	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
106	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
107	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
108	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
109	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
110	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
111	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
112	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
113	Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	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
115	Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
116	Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117	Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10
125	Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03
126	Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23
127	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
128	Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07

Table A-9: Regional: Small Hydro

Operating Year 2021 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16
136	Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38
137	Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80
138	Preston	0.31	0.31	0.38	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38	0.31	0.31	0.38
139	Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28
140	Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
141	Ravenscroft Ranch	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
142	Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15
143	Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17
144	Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
145	Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64
146	Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
147	Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40
148	Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40
149	Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
150	Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36
151	Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11
152	Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86
153	Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154	Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
155	Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03
156	Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
157	South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47
158	Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
159	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Stayton Hydro	0.60	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
161	Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
162	Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
163	Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
164	Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4
165	Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10
166	Sygitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03
168	Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
169	Tieton Dam (Yakima)	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
170	Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
171	Twin Falls (WA)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
172	Twin Reservoirs	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20
173	Upper Little Sheep Creek	0.40	0.40	0.30	0.30	0.40	0.50	0.50	0.50	0.90	1.60	1.60	0.80	1.50	1.10
174	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
175	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
176	Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76
177	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
178	Weeks Falls	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
179	White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
180	White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07
181	Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63
182	Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03
183	Wolf Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
184	Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
185	Yakama Drop 2	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
186	Yakama Drop 3	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
187	Youngs Creek	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
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	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
190	Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
191	Investor Owned Utilities	223	223	201	171	162	150	143	153	172	210	212	250	250	238

Table A-9: Regional: Small Hydro

Operating Year 2021 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
192	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
193	Municipality	136	135	87.2	36.0	1.07	1.77	1.07	2.57	11.1	81.7	81.7	166	186	192
194	Public Utility District	26.6	26.6	24.2	21.1	13.1	13.1	13.1	13.1	20.9	26.2	26.2	28.6	28.3	27.9
195	**Total Small Hydro**	**401**	**399**	**327**	**244**	**185**	**174**	**166**	**177**	**213**	**327**	**336**	**461**	**481**	**473**

Table A-9: Regional: Small Hydro

Operating Year 2022 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Hydro														
1	Albany-Millersburg Hydro Project	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2	Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
3	Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31
4	Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
5	Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
6	Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13
8	Big Elk Creek YMCA Camp	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9	Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10	Bigg's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11	Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12	Birch Creek (Clark, 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
13	Birch Creek (Gooding,ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14	Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15	Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16	Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17	Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18	Box Canyon	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21	Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22	Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68
26	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	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
31	Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09
32	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
33	Chester Hydroelectic Plant	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30
34	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
35	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
36	Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Cove	1.98	1.98	2.06	1.33	0.78	0.42	0.34	0.35	0.60	0.80	0.80	1.68	1.88	1.71
38	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
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	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Dairy Creek	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	Don Steffen	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
48	Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
49	Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
50	Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51	Eagle Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	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
53	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
54	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
55	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
56	Estacada	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	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
58	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
59	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
60	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
61	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
62	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
63	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

Table A-9: Regional: Small Hydro

Operating Year 2022 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	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
65	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
66	Forgy	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
67	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
68	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
69	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
70	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
71	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
72	Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
73	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
74	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
75	Hettinger	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
76	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
77	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
78	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
79	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
80	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
81	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
82	Joseph Hydro	1.45	1.45	0.86	0.45	0.12	0.07	0.06	0.03	0.03	0.06	0.06	0.18	1.20	2.69
83	Juniper Ridge Hydro	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37
84	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
85	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
86	Koma Kulshan	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
87	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
88	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
89	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
90	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
91	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
92	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
93	Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
94	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
95	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
96	Little Mac	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
97	Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94
98	Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73
99	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
100	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
101	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
102	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
103	LQ-LS Drains	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
104	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
105	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
106	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
107	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
108	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
109	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
110	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
111	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
112	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
113	Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	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
115	Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
116	Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117	Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10
125	Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03
126	Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23
127	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
128	Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07

Table A-9: Regional: Small Hydro

Operating Year 2022 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16
136	Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38
137	Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80
138	Preston	0.37	0.38	0.37	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38	0.31	0.31	0.38
139	Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28
140	Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
141	Ravenscroft Ranch	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
142	Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15
143	Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17
144	Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
145	Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64
146	Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
147	Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40
148	Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40
149	Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
150	Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36
151	Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11
152	Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86
153	Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154	Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
155	Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03
156	Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
157	South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47
158	Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
159	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Stayton Hydro	0.60	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
161	Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
162	Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
163	Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
164	Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4
165	Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10
166	Sygitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03
168	Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
169	Tieton Dam (Yakima)	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
170	Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
171	Twin Falls (WA)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
172	Twin Reservoirs	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20
173	Upper Little Sheep Creek	0.40	0.40	0.30	0.30	0.40	0.50	0.50	0.50	0.90	1.60	1.60	0.80	1.50	1.10
174	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
175	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
176	Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76
177	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
178	Weeks Falls	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
179	White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
180	White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07
181	Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63
182	Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03
183	Wolf Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
184	Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
185	Yakama Drop 2	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
186	Yakama Drop 3	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
187	Youngs Creek	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
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	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
190	Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
191	Investor Owned Utilities	223	223	201	171	162	150	143	153	172	210	212	250	250	238

Table A-9: Regional: Small Hydro

Operating Year 2022 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
192	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
193	Municipality	136	135	87.2	36.0	1.07	1.77	1.07	2.57	11.1	81.7	81.7	166	186	192
194	Public Utility District	26.6	26.6	24.2	21.1	13.1	13.1	13.1	13.1	20.9	26.2	26.2	28.6	28.3	27.9
195	**Total Small Hydro**	**401**	**400**	**327**	**244**	**185**	**174**	**166**	**177**	**213**	**327**	**336**	**461**	**481**	**473**

Table A-9: Regional: Small Hydro

Operating Year 2023 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Hydro														
1	Albany-Millersburg Hydro Project	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
2	Amy Ranch	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
3	Arena Drop	0.31	0.31	0.31	0	0	0	0	0	0	0.31	0.31	0.31	0.31	0.31
4	Barber Dam	3.01	3.01	2.44	1.05	0.39	1.23	2.73	3.33	4.14	4.06	4.06	3.97	4.10	4.14
5	Barney Creek	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01
6	Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bell Mountain	0.12	0.12	0.10	0.21	0.05	0.12	0.10	0.13	0.13	0.11	0.11	0.13	0.19	0.13
8	Big Elk Creek YMCA Camp	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9	Big Sheep Creek	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
10	Bigg's Creek (Pickering Micro)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11	Billingsley Creek	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
12	Birch Creek (Clark, 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
13	Birch Creek (Gooding,ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14	Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15	Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16	Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17	Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18	Box Canyon	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21	Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22	Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68
26	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	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
31	Central Oregon Siphon	3.10	3.10	3.71	3.47	0.02	0.69	0	0.40	0.87	0.83	0.83	4.47	3.83	4.09
32	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
33	Chester Hydroelectic Plant	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30
34	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
35	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
36	Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Cove	1.98	1.98	2.06	1.33	0.78	0.42	0.34	0.35	0.60	0.80	0.80	1.68	1.88	1.71
38	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
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	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Dairy Creek	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	Don Steffen	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
48	Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07
49	Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09
50	Dworshak-Clearwater Hatchery	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
51	Eagle Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	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
53	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
54	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
55	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
56	Estacada	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	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
58	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
59	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
60	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
61	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
62	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
63	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

Table A-9: Regional: Small Hydro

Operating Year 2023 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	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
65	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
66	Forgy	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
67	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
68	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
69	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
70	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
71	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
72	Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
73	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
74	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
75	Hettinger	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
76	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
77	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
78	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
79	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
80	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
81	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
82	Joseph Hydro	1.45	1.45	0.86	0.45	0.12	0.07	0.06	0.03	0.03	0.06	0.06	0.18	1.20	2.69
83	Juniper Ridge Hydro	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37
84	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
85	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
86	Koma Kulshan	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
87	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
88	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
89	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
90	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
91	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
92	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
93	Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
94	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
95	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
96	Little Mac	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
97	Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94
98	Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73
99	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
100	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
101	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
102	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
103	LQ-LS Drains	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
104	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
105	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
106	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
107	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
108	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
109	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
110	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
111	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
112	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
113	Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	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
115	Mitchell Butte	1.75	1.75	1.79	0.70	0	0	0	0	0.47	1.39	1.39	2.07	2.09	1.82
116	Morse Creek	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
117	Mt. Tabor	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15
123	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10
125	Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03
126	Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23
127	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
128	Owyhee Dam	3.58	3.58	2.56	0.76	0	0	0.31	0.82	2.27	4.31	4.31	5.00	4.29	4.07

Table A-9: Regional: Small Hydro

Operating Year 2023 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
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	Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16
136	Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38
137	Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80
138	Preston	0.37	0.38	0.37	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38	0.31	0.31	0.38
139	Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28
140	Quincy Chute	9.00	9.00	8.00	5.00	0	0	0	0	5.00	8.00	8.00	9.00	9.00	9.00
141	Ravenscroft Ranch	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
142	Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15
143	Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17
144	Rock Creek #1	1.34	1.34	1.92	2.05	1.47	1.57	1.31	1.18	1.28	1.68	1.68	1.74	1.53	1.34
145	Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64
146	Rocky Brook	0.49	0.49	0	1.11	1.49	1.60	1.59	1.62	1.58	1.58	1.58	1.58	1.09	0.19
147	Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40
148	Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40
149	Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
150	Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36
151	Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11
152	Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86
153	Skookumchuck	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
154	Smith Creek (Washington)	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
155	Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03
156	Snedigar Ranch	0.38	0.38	0.54	0.52	0.54	0.37	0.37	0.41	0.28	0.29	0.29	0.28	0.39	0.38
157	South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47
158	Spencer Lake Hydro	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
159	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Stayton Hydro	0.60	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
161	Stevenson #1	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
162	Stevenson #2	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
163	Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06
164	Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4
165	Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10
166	Sygitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03
168	Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45
169	Tieton Dam (Yakima)	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
170	Trinity	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
171	Twin Falls (WA)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
172	Twin Reservoirs	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20
173	Upper Little Sheep Creek	0.40	0.40	0.30	0.30	0.40	0.50	0.50	0.50	0.90	1.60	1.60	0.80	1.50	1.10
174	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
175	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
176	Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76
177	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
178	Weeks Falls	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
179	White Ranch	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
180	White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07
181	Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63
182	Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03
183	Wolf Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
184	Woods Creek	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
185	Yakama Drop 2	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
186	Yakama Drop 3	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
187	Youngs Creek	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
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	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
190	Federal Entities	3.69	3.69	3.20	4.31	4.69	4.80	4.79	4.82	4.78	4.78	4.78	4.78	4.29	3.39
191	Investor Owned Utilities	223	223	201	171	162	150	143	153	172	210	212	250	250	238

Table A-9: Regional: Small Hydro

Operating Year 2023 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
192	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
193	Municipality	136	135	87.2	36.0	1.07	1.77	1.07	2.57	11.1	81.7	81.7	166	186	192
194	Public Utility District	26.6	26.6	24.2	21.1	13.1	13.1	13.1	13.1	20.9	26.2	26.2	28.6	28.3	27.9
195	**Total Small Hydro**	**401**	**400**	**327**	**244**	**185**	**174**	**166**	**177**	**213**	**327**	**336**	**461**	**481**	**473**

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Exhibit 6
Table A-10: Regional Combustion Turbines

Monthly Capacity
Operating Year 2014 to 2023
Using 1937-Water Conditions

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2014

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Combustion Turbine Resources														
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	495	502	512	522	529	529	526	522	516	516	509	502	495
3	Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
4	Beaver 8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
5	Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
6	Boulder Park	24.6	24.6	24.6	22.1	22.1	22.1	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
7	Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
8	Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
9	Encogen	163	163	166	171	175	178	179	177	175	172	172	169	166	163
10	Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
11	Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
12	Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
13	Finley Combustion Turbine	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Frederickson CT	265	265	268	273	277	279	279	277	276	274	274	271	268	266
15	Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	151	148	147
16	Fredonia	311	311	316	326	335	341	342	337	334	329	329	323	316	311
17	Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	216	212	208	205
18	Fredonia 3 & 4	106	106	108	112	115	118	118	116	115	113	113	110	108	106
19	Goldendale Energy Center	260	260	267	273	279	282	282	280	277	273	273	269	265	260
20	Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
21	Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.50	9.16	8.55
22	Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
23	Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	0	0	0	100.0
24	Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
25	Loki Peaking Project	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
26	Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	296	293	289	286
27	Northeast 1 & 2	44.0	44.0	46.0	24.0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
28	Olympic View	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90
29	Pasco Peak Power Plant	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	0	44.0	44.0
30	Port Westward	399	399	400	409	418	423	423	421	417	410	410	406	401	398
31	Rathdrum	139	139	143	156	168	174	176	172	168	162	162	72.2	141	139
32	River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205
33	Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	0	650	650
34	University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
35	Whitehorn	147	147	149	153	157	160	160	158	157	155	155	152	149	147
	Total Combustion Turbine Resources														
36	Investor Owned Utilities	3950	3950	4001	4067	4188	4252	4260	4216	4170	4130	4130	3978	3507	3947
37	Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1134	1134	484	1134	1234
38	Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
39	Public Utility District	399	399	410	428	435	436	436	435	429	423	423	142	415	399
40	**Total**	**5602**	**5602**	**5665**	**5748**	**5876**	**5940**	**5949**	**5904**	**5853**	**5707**	**5707**	**4623**	**5075**	**5599**

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2015

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Combustion Turbine Resources														
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	495	502	512	522	529	529	526	522	516	516	509	502	495
3	Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
4	Beaver 8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
5	Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
6	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
7	Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
8	Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
9	Encogen	163	163	166	171	175	178	179	177	175	172	172	169	166	163
10	Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
11	Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
12	Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
13	Finley Combustion Turbine	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Frederickson CT	265	265	268	273	277	279	279	277	276	274	274	271	268	266
15	Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	151	148	147
16	Fredonia	311	311	316	326	335	341	342	337	334	329	329	323	316	311
17	Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	216	212	208	205
18	Fredonia 3 & 4	106	106	108	112	115	118	118	116	115	113	113	110	108	106
19	Goldendale Energy Center	260	260	267	273	279	282	282	280	277	273	273	269	265	260
20	Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
21	Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.50	0	8.55
22	Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
23	Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	0	0	0	100.0
24	Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
25	Loki Peaking Project	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
26	Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	296	293	289	286
27	Northeast 1 & 2	44.0	44.0	18.4	60.0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
28	Olympic View	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90
29	Pasco Peak Power Plant	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	0	44.0	44.0
30	Port Westward	399	399	400	409	418	423	423	421	417	410	410	406	401	398
31	Rathdrum	139	139	143	156	168	174	176	172	168	162	162	72.2	141	139
32	River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205
33	Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	0	650	650
34	University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
35	Whitehorn	147	147	149	153	157	160	160	158	157	155	155	152	149	147
	Total Combustion Turbine Resources														
36	Investor Owned Utilities	3950	3950	3974	4103	4188	4254	4260	4216	4170	4130	4130	3978	3497	3947
37	Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1134	1134	484	1134	1234
38	Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
39	Public Utility District	399	399	410	428	435	436	436	435	429	423	423	142	415	399
40	**Total**	**5602**	**5602**	**5637**	**5784**	**5876**	**5942**	**5949**	**5904**	**5853**	**5707**	**5707**	**4623**	**5066**	**5599**

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2016

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Combustion Turbine Resources														
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	495	502	512	522	529	529	526	522	516	516	509	502	495
3	Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
4	Beaver 8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
5	Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
6	Boulder Park	24.6	24.6	24.6	22.1	22.1	24.6	24.6	24.6	24.6	20.5	20.5	20.5	20.5	24.6
7	Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
8	Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
9	Encogen	163	163	166	171	175	178	179	177	175	172	172	169	166	163
10	Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
11	Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
12	Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
13	Finley Combustion Turbine	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Frederickson CT	265	265	268	273	277	279	279	277	276	274	274	271	268	266
15	Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	151	148	147
16	Fredonia	311	311	316	326	335	341	342	337	334	329	329	323	316	311
17	Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	216	212	208	205
18	Fredonia 3 & 4	106	106	108	112	115	118	118	116	115	113	113	110	108	106
19	Goldendale Energy Center	260	260	267	273	279	282	282	280	277	273	273	269	265	260
20	Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
21	Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.50	9.16	8.55
22	Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
23	Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	0	0	0	100.0
24	Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
25	Loki Peaking Project	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
26	Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	296	293	289	286
27	Northeast 1 & 2	44.0	44.0	46.0	24.0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	0	46.0	42.0
28	Olympic View	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90
29	Pasco Peak Power Plant	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	0	44.0	44.0
30	Port Westward	399	399	400	409	418	423	423	421	417	410	410	406	401	398
31	Rathdrum	139	139	143	156	168	174	176	172	168	81.0	81.0	72.2	141	139
32	River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205
33	Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	0	650	650
34	University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
35	Whitehorn	147	147	149	153	157	160	160	158	157	155	155	152	149	147
	Total Combustion Turbine Resources														
36	Investor Owned Utilities	3950	3950	4001	4067	4188	4254	4260	4216	4170	4045	4045	3928	3503	3947
37	Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1134	1134	484	1134	1234
38	Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
39	Public Utility District	399	399	410	428	435	436	436	435	429	423	423	142	415	399
40	**Total**	**5602**	**5602**	**5665**	**5748**	**5876**	**5942**	**5949**	**5904**	**5853**	**5622**	**5622**	**4573**	**5071**	**5599**

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2017

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Combustion Turbine Resources														
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	495	502	512	522	529	529	526	522	516	516	509	502	495
3	Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
4	Beaver 8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
5	Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
6	Boulder Park	24.6	24.6	20.5	20.5	20.5	20.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
7	Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
8	Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
9	Encogen	163	163	166	171	175	178	179	177	175	172	172	169	166	163
10	Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
11	Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
12	Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
13	Finley Combustion Turbine	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Frederickson CT	265	265	268	273	277	279	279	277	276	274	274	271	268	266
15	Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	151	148	147
16	Fredonia	311	311	316	326	335	341	342	337	334	329	329	323	316	311
17	Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	216	212	208	205
18	Fredonia 3 & 4	106	106	108	112	115	118	118	116	115	113	113	110	108	106
19	Goldendale Energy Center	260	260	267	273	279	282	282	280	277	273	273	269	265	260
20	Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
21	Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.50	9.16	8.55
22	Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
23	Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	0	0	0	100.0
24	Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
25	Loki Peaking Project	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
26	Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	296	293	289	286
27	Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
28	Olympic View	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90
29	Pasco Peak Power Plant	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	0	44.0	44.0
30	Port Westward	399	399	400	409	418	423	423	421	417	410	410	406	401	398
31	Rathdrum	139	139	143	156	168	174	176	172	168	162	162	72.2	141	139
32	River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205
33	Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	0	650	650
34	University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
35	Whitehorn	147	147	149	153	157	160	160	158	157	155	155	152	149	147
	Total Combustion Turbine Resources														
36	Investor Owned Utilities	3950	3950	3997	4041	4187	4250	4260	4216	4170	4130	4130	3978	3507	3947
37	Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1134	1134	484	1134	1234
38	Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
39	Public Utility District	399	399	410	428	435	436	436	435	429	423	423	142	415	399
40	**Total**	**5602**	**5602**	**5661**	**5722**	**5874**	**5938**	**5949**	**5904**	**5853**	**5707**	**5707**	**4623**	**5075**	**5599**

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2018

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Combustion Turbine Resources														
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	495	502	512	522	529	529	526	522	516	516	509	502	495
3	Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
4	Beaver 8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
5	Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
6	Boulder Park	24.6	24.6	20.5	20.5	20.5	20.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
7	Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
8	Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
9	Encogen	163	163	166	171	175	178	179	177	175	172	172	169	166	163
10	Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
11	Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
12	Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
13	Finley Combustion Turbine	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Frederickson CT	265	265	268	273	277	279	279	277	276	274	274	271	268	266
15	Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	151	148	147
16	Fredonia	311	311	316	326	335	341	342	337	334	329	329	323	316	311
17	Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	216	212	208	205
18	Fredonia 3 & 4	106	106	108	112	115	118	118	116	115	113	113	110	108	106
19	Goldendale Energy Center	260	260	267	273	279	282	282	280	277	273	273	269	265	260
20	Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
21	Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.50	9.16	8.55
22	Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
23	Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	0	0	0	100.0
24	Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
25	Loki Peaking Project	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
26	Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	296	293	289	286
27	Northeast 1 & 2	44.0	44.0	46.0	24.0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
28	Olympic View	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90
29	Pasco Peak Power Plant	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	0	44.0	44.0
30	Port Westward	399	399	400	409	418	423	423	421	417	410	410	406	401	398
31	Rathdrum	139	139	143	156	168	174	176	172	168	162	162	72.2	141	139
32	River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205
33	Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	0	650	650
34	University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
35	Whitehorn	147	147	149	153	157	160	160	158	157	155	155	152	149	147
	Total Combustion Turbine Resources														
36	Investor Owned Utilities	3950	3950	3997	4065	4187	4250	4260	4216	4170	4130	4130	3978	3507	3947
37	Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1134	1134	484	1134	1234
38	Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
39	Public Utility District	399	399	410	428	435	436	436	435	429	423	423	142	415	399
40	**Total**	**5602**	**5602**	**5661**	**5746**	**5874**	**5938**	**5949**	**5904**	**5853**	**5707**	**5707**	**4623**	**5075**	**5599**

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2019

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Combustion Turbine Resources														
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	495	502	512	522	529	529	526	522	516	516	509	502	495
3	Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
4	Beaver 8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
5	Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
6	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
7	Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
8	Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
9	Encogen	163	163	166	171	175	178	179	177	175	172	172	169	166	163
10	Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
11	Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
12	Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
13	Finley Combustion Turbine	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Frederickson CT	265	265	268	273	277	279	279	277	276	274	274	271	268	266
15	Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	151	148	147
16	Fredonia	311	311	316	326	335	341	342	337	334	329	329	323	316	311
17	Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	216	212	208	205
18	Fredonia 3 & 4	106	106	108	112	115	118	118	116	115	113	113	110	108	106
19	Goldendale Energy Center	260	260	267	273	279	282	282	280	277	273	273	269	265	260
20	Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
21	Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.50	9.16	8.55
22	Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
23	Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	0	0	0	100.0
24	Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
25	Loki Peaking Project	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
26	Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	296	293	289	286
27	Northeast 1 & 2	44.0	44.0	18.4	60.0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
28	Olympic View	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90
29	Pasco Peak Power Plant	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
30	Port Westward	399	399	400	409	418	423	423	421	417	410	410	406	401	398
31	Rathdrum	139	139	143	156	168	174	176	172	168	81.0	81.0	144	141	139
32	River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205
33	Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	0	650	650
34	University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
35	Whitehorn	147	147	149	153	157	160	160	158	157	155	155	152	149	147
	Total Combustion Turbine Resources														
36	Investor Owned Utilities	3950	3950	3974	4106	4191	4254	4260	4216	4170	4049	4049	4051	3507	3947
37	Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1134	1134	484	1134	1234
38	Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
39	Public Utility District	399	399	410	428	435	436	436	435	429	423	423	186	415	399
40	**Total**	**5602**	**5602**	**5637**	**5786**	**5878**	**5942**	**5949**	**5904**	**5853**	**5626**	**5626**	**4739**	**5075**	**5599**

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2020

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Combustion Turbine Resources														
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	495	502	512	522	529	529	526	522	516	516	509	502	495
3	Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
4	Beaver 8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
5	Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
6	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
7	Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
8	Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
9	Encogen	163	163	166	171	175	178	179	177	175	172	172	169	166	163
10	Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
11	Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
12	Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
13	Finley Combustion Turbine	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Frederickson CT	265	265	268	273	277	279	279	277	276	274	274	271	268	266
15	Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	151	148	147
16	Fredonia	311	311	316	326	335	341	342	337	334	329	329	323	316	311
17	Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	216	212	208	205
18	Fredonia 3 & 4	106	106	108	112	115	118	118	116	115	113	113	110	108	106
19	Goldendale Energy Center	260	260	267	273	279	282	282	280	277	273	273	269	265	260
20	Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
21	Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.50	9.16	8.55
22	Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
23	Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	0	0	0	100.0
24	Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
25	Loki Peaking Project	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
26	Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	296	293	289	286
27	Northeast 1 & 2	44.0	44.0	18.4	60.0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
28	Olympic View	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90
29	Pasco Peak Power Plant	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
30	Port Westward	399	399	400	409	418	423	423	421	417	410	410	406	401	398
31	Rathdrum	139	139	143	156	168	174	176	172	168	81.0	81.0	72.2	141	139
32	River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205
33	Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	0	650	650
34	University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
35	Whitehorn	147	147	149	153	157	160	160	158	157	155	155	152	149	147
	Total Combustion Turbine Resources														
36	Investor Owned Utilities	3950	3950	3974	4103	4188	4254	4260	4216	4170	4049	4049	3978	3507	3947
37	Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1134	1134	484	1134	1234
38	Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
39	Public Utility District	399	399	410	428	435	436	436	435	429	423	423	186	415	399
40	**Total**	**5602**	**5602**	**5637**	**5784**	**5876**	**5942**	**5949**	**5904**	**5853**	**5626**	**5626**	**4667**	**5075**	**5599**

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2021

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Combustion Turbine Resources														
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	495	502	512	522	529	529	526	522	516	516	509	502	495
3	Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
4	Beaver 8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
5	Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
6	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
7	Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
8	Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
9	Encogen	163	163	166	171	175	178	179	177	175	172	172	169	166	163
10	Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
11	Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
12	Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
13	Finley Combustion Turbine	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Frederickson CT	265	265	268	273	277	279	279	277	276	274	274	271	268	266
15	Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	151	148	147
16	Fredonia	311	311	316	326	335	341	342	337	334	329	329	323	316	311
17	Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	216	212	208	205
18	Fredonia 3 & 4	106	106	108	112	115	118	118	116	115	113	113	110	108	106
19	Goldendale Energy Center	260	260	267	273	279	282	282	280	277	273	273	269	265	260
20	Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
21	Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.50	9.16	8.55
22	Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
23	Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	0	0	0	100.0
24	Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
25	Loki Peaking Project	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
26	Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	296	293	289	286
27	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
28	Olympic View	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90
29	Pasco Peak Power Plant	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
30	Port Westward	399	399	400	409	418	423	423	421	417	410	410	406	401	398
31	Rathdrum	139	139	143	156	168	174	176	172	168	81.0	81.0	72.2	141	139
32	River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205
33	Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	0	650	650
34	University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
35	Whitehorn	147	147	149	153	157	160	160	158	157	155	155	152	149	147
	Total Combustion Turbine Resources														
36	Investor Owned Utilities	3950	3950	4001	4103	4188	4254	4260	4216	4170	4049	4049	3978	3507	3947
37	Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1134	1134	484	1134	1234
38	Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
39	Public Utility District	399	399	410	428	435	436	436	435	429	423	423	186	415	399
40	**Total**	**5602**	**5602**	**5665**	**5784**	**5876**	**5942**	**5949**	**5904**	**5853**	**5626**	**5626**	**4667**	**5075**	**5599**

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2022

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Combustion Turbine Resources														
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	495	502	512	522	529	529	526	522	516	516	509	502	495
3	Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
4	Beaver 8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
5	Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
6	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
7	Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
8	Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
9	Encogen	163	163	166	171	175	178	179	177	175	172	172	169	166	163
10	Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
11	Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
12	Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
13	Finley Combustion Turbine	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Frederickson CT	265	265	268	273	277	279	279	277	276	274	274	271	268	266
15	Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	151	148	147
16	Fredonia	311	311	316	326	335	341	342	337	334	329	329	323	316	311
17	Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	216	212	208	205
18	Fredonia 3 & 4	106	106	108	112	115	118	118	116	115	113	113	110	108	106
19	Goldendale Energy Center	260	260	267	273	279	282	282	280	277	273	273	269	265	260
20	Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
21	Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.50	9.16	8.55
22	Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
23	Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	0	0	0	100.0
24	Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
25	Loki Peaking Project	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
26	Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	296	293	289	286
27	Northeast 1 & 2	44.0	44.0	0	60.0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
28	Olympic View	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90
29	Pasco Peak Power Plant	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
30	Port Westward	399	399	400	409	418	423	423	421	417	410	410	406	401	398
31	Rathdrum	139	139	143	156	168	174	176	172	168	81.0	81.0	72.2	141	139
32	River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205
33	Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	0	650	650
34	University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
35	Whitehorn	147	147	149	153	157	160	160	158	157	155	155	152	149	147
	Total Combustion Turbine Resources														
36	Investor Owned Utilities	3950	3950	3955	4103	4188	4254	4260	4216	4170	4049	4049	3978	3507	3947
37	Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1134	1134	484	1134	1234
38	Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
39	Public Utility District	399	399	410	428	435	436	436	435	429	423	423	186	415	399
40	**Total**	**5602**	**5602**	**5619**	**5784**	**5876**	**5942**	**5949**	**5904**	**5853**	**5626**	**5626**	**4667**	**5075**	**5599**

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2023

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Combustion Turbine Resources														
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	495	502	512	522	529	529	526	522	516	516	509	502	495
3	Beaver	475	475	482	492	502	509	509	506	502	496	496	489	482	475
4	Beaver 8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
5	Bennett Mountain Peaking Plant	161	161	164	168	171	178	178	173	167	168	168	166	163	161
6	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
7	Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
8	Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
9	Encogen	163	163	166	171	175	178	179	177	175	172	172	169	166	163
10	Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
11	Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
12	Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
13	Finley Combustion Turbine	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Frederickson CT	265	265	268	273	277	279	279	277	276	274	274	271	268	266
15	Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	151	148	147
16	Fredonia	311	311	316	326	335	341	342	337	334	329	329	323	316	311
17	Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	216	212	208	205
18	Fredonia 3 & 4	106	106	108	112	115	118	118	116	115	113	113	110	108	106
19	Goldendale Energy Center	260	260	267	273	279	282	282	280	277	273	273	269	265	260
20	Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
21	Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.50	9.16	8.55
22	Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
23	Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0	0	0	0	100.0
24	Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
25	Loki Peaking Project	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	0	11.0	11.0
26	Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	296	293	289	286
27	Northeast 1 & 2	44.0	44.0	46.0	24.0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	0	46.0	42.0
28	Olympic View	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90
29	Pasco Peak Power Plant	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
30	Port Westward	399	399	400	409	418	423	423	421	417	410	410	406	401	398
31	Rathdrum	139	139	143	156	168	174	176	172	168	81.0	81.0	144	141	139
32	River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205
33	Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	0	650	650
34	University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
35	Whitehorn	147	147	149	153	157	160	160	158	157	155	155	152	149	147
	Total Combustion Turbine Resources														
36	Investor Owned Utilities	3950	3950	4001	4070	4191	4254	4260	4216	4170	4049	4049	4005	3507	3947
37	Marketer	1234	1234	1234	1234	1234	1234	1234	1234	1234	1134	1134	484	1134	1234
38	Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
39	Public Utility District	399	399	410	428	435	436	436	435	429	423	423	186	415	399
40	**Total**	**5602**	**5602**	**5665**	**5750**	**5878**	**5942**	**5949**	**5904**	**5853**	**5626**	**5626**	**4693**	**5075**	**5599**

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Exhibit 7
Table A-11: Regional Renewable Resources

Monthly Capacity
Operating Year 2014 to 2023
Using 1937-Water Conditions

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Table A-11: Regional: Renewable Resources

Operating Year 2014

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Renewable Resources														
1	Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41
9	Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03
13	Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Camp Reed	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
22	Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
23	Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
24	Cold Springs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Columbia Ridge Landfill	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
26	Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Condon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Cottonwood Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
33	Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35	Double B Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36	Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
37	Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10
38	Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Farm Power Lynden	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
43	Farm Power Misty Meadow	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Farm Power Rexville	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
45	Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46	Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
47	Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
48	Flathead County Landfill	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
49	Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Goshen North (Ridgeline)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Grandview Solar One	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Grayland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	H.W. Hill Landfill Gas (Roosevelt	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
60	HW Hill Landfill Gas 1	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02
61	HW Hill Landfill Gas 2	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48
62	Hammett Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	Harvest	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2014

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
67	Hopkins Ridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Industrial Finishes	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
74	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Juniper Canyon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	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
77	King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	Klondike 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	Klondike 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Klondike 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Klondike 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Lava Beds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	Leaning Juniper 2b			0	0	0	0	0	0	0	0	0	0	0	0
88	Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Linden Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	Lower Snake Wind I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	Notch Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Pepsi-Cola Eugene Solar	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
109	Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
111	Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
112	Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
114	Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
115	Raft River Geothermal	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
116	Raft River Geothermal 1	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
117	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
121	Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
122	Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	Rockland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	Rogerson Flats	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Salmon Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	Salmon Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2014

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
128	Sawtooth	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	Shepherds Flat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	Shepherds Flat - Central	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	Shepherds Flat - North	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	Shepherds Flat - South	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
134	Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Stateline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	Swager Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
139	Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142	Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
145	Vansycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147	Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148	Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	Wheat Field	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	Wild Horse	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	Yahoo Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Renewable Resources														
164	Cooperative	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18
165	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	Investor Owned Utilities	85.3	85.8	85.8	85.8	85.9	86.0	85.9	86.0	84.9	85.0	84.6	84.9	84.9	85.0
167	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	Municipality	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
169	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	Public Utility District	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
171	**Total**	**126**	**126**	**126**	**126**	**126**	**127**	**126**	**127**	**125**	**125**	**125**	**125**	**125**	**126**

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Table A-11: Regional: Renewable Resources

Operating Year 2015

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Renewable Resources														
1	Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41
9	Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03
13	Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Camp Reed	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
22	Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
23	Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
24	Cold Springs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Columbia Ridge Landfill	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
26	Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Condon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Cottonwood Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
33	Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35	Double B Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36	Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
37	Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10
38	Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Farm Power Lynden	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
43	Farm Power Misty Meadow	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
44	Farm Power Rexville	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
45	Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46	Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
47	Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
48	Flathead County Landfill	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
49	Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Goshen North (Ridgeline)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Grandview Solar One	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Grayland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	H.W. Hill Landfill Gas (Roosevelt	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
60	HW Hill Landfill Gas 1	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02
61	HW Hill Landfill Gas 2	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48
62	Hammett Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	Harvest	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2015

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
67	Hopkins Ridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Industrial Finishes	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
74	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Juniper Canyon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	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	0	47.0
77	King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	Klondike 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	Klondike 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Klondike 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Klondike 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Lava Beds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Linden Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	Lower Snake Wind I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	Notch Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Pepsi-Cola Eugene Solar	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
109	Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
111	Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
112	Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
114	Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
115	Raft River Geothermal	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
116	Raft River Geothermal 1	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
117	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
121	Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
122	Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	Rockland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	Rogerson Flats	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Salmon Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	Salmon Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2015

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
128	Sawtooth	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	Shepherds Flat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	Shepherds Flat - Central	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	Shepherds Flat - North	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	Shepherds Flat - South	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
134	Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Stateline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	Swager Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
139	Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142	Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
145	Vansycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147	Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148	Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	Wheat Field	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	Wild Horse	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	Yahoo Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Renewable Resources														
164	Cooperative	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18
165	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	Investor Owned Utilities	85.9	86.4	86.4	86.4	86.4	86.6	86.4	86.6	85.5	85.5	85.2	85.5	38.5	85.6
167	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	Municipality	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
169	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	Public Utility District	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
171	**Total**	**126**	**127**	**127**	**127**	**127**	**127**	**127**	**127**	**126**	**126**	**126**	**126**	**79.0**	**126**

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Table A-11: Regional: Renewable Resources

Operating Year 2016

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Renewable Resources														
1	Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41
9	Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03
13	Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Camp Reed	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
22	Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
23	Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
24	Cold Springs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Columbia Ridge Landfill	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
26	Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Condon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Cottonwood Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
33	Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35	Double B Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36	Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
37	Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10
38	Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Farm Power Lynden	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
43	Farm Power Misty Meadow	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
44	Farm Power Rexville	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
45	Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46	Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
47	Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
48	Flathead County Landfill	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
49	Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Goshen North (Ridgeline)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Grandview Solar One	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Grayland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	H.W. Hill Landfill Gas (Roosevelt	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
60	HW Hill Landfill Gas 1	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02
61	HW Hill Landfill Gas 2	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48
62	Hammett Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	Harvest	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2016

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
67	Hopkins Ridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Industrial Finishes	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
74	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Juniper Canyon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	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	0	0	47.0
77	King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	Klondike 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	Klondike 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Klondike 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Klondike 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Lava Beds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Linden Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	Lower Snake Wind I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	Notch Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Pepsi-Cola Eugene Solar	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
109	Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
111	Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
112	Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
114	Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
115	Raft River Geothermal	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
116	Raft River Geothermal 1	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
117	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
121	Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
122	Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	Rockland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	Rogerson Flats	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Salmon Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	Salmon Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2016

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
128	Sawtooth	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	Shepherds Flat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	Shepherds Flat - Central	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	Shepherds Flat - North	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	Shepherds Flat - South	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
134	Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Stateline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	Swager Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
139	Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142	Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
145	Vansycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147	Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148	Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	Wheat Field	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	Wild Horse	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	Yahoo Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Renewable Resources														
164	Cooperative	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18
165	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	Investor Owned Utilities	85.9	86.4	86.4	86.4	86.4	86.6	86.4	86.6	85.5	85.5	85.2	38.5	38.5	85.6
167	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	Municipality	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
169	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	Public Utility District	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
171	**Total**	**126**	**127**	**127**	**127**	**127**	**127**	**127**	**127**	**126**	**126**	**126**	**79.0**	**79.0**	**126**

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Table A-11: Regional: Renewable Resources

Operating Year 2017

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Renewable Resources														
1	Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41
9	Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03
13	Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Camp Reed	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
22	Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
23	Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
24	Cold Springs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Columbia Ridge Landfill	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
26	Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Condon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Cottonwood Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
33	Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35	Double B Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36	Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
37	Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10
38	Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Farm Power Lynden	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
43	Farm Power Misty Meadow	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
44	Farm Power Rexville	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
45	Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46	Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
47	Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
48	Flathead County Landfill	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
49	Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Goshen North (Ridgeline)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Grandview Solar One	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Grayland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	H.W. Hill Landfill Gas (Roosevelt	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
60	HW Hill Landfill Gas 1	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02
61	HW Hill Landfill Gas 2	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48
62	Hammett Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	Harvest	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2017

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
67	Hopkins Ridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Industrial Finishes	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
74	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Juniper Canyon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	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
77	King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	Klondike 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	Klondike 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Klondike 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Klondike 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Lava Beds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Linden Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	Lower Snake Wind I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	Notch Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Pepsi-Cola Eugene Solar	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
109	Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
111	Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
112	Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
114	Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
115	Raft River Geothermal	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
116	Raft River Geothermal 1	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
117	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
121	Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
122	Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	Rockland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	Rogerson Flats	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Salmon Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	Salmon Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2017

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
128	Sawtooth	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	Shepherds Flat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	Shepherds Flat - Central	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	Shepherds Flat - North	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	Shepherds Flat - South	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
134	Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Stateline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	Swager Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
139	Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142	Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
145	Vansycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147	Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148	Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	Wheat Field	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	Wild Horse	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	Yahoo Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Renewable Resources														
164	Cooperative	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18
165	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	Investor Owned Utilities	85.9	86.4	86.4	86.4	86.4	86.6	86.4	86.6	85.5	85.5	85.2	85.5	85.5	85.6
167	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	Municipality	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
169	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	Public Utility District	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
171	**Total**	**126**	**127**	**127**	**127**	**127**	**127**	**127**	**127**	**126**	**126**	**126**	**126**	**126**	**126**

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Table A-11: Regional: Renewable Resources

Operating Year 2018

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Renewable Resources														
1	Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41
9	Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03
13	Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Camp Reed	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
22	Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
23	Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
24	Cold Springs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Columbia Ridge Landfill	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
26	Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Condon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Cottonwood Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
33	Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35	Double B Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36	Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
37	Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10
38	Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Farm Power Lynden	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
43	Farm Power Misty Meadow	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
44	Farm Power Rexville	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
45	Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46	Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
47	Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
48	Flathead County Landfill	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
49	Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Goshen North (Ridgeline)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Grandview Solar One	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Grayland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	H.W. Hill Landfill Gas (Roosevelt	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
60	HW Hill Landfill Gas 1	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02
61	HW Hill Landfill Gas 2	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48
62	Hammett Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	Harvest	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2018

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
67	Hopkins Ridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Industrial Finishes	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
74	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Juniper Canyon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	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	0	47.0
77	King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	Klondike 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	Klondike 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Klondike 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Klondike 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Lava Beds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Linden Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	Lower Snake Wind I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	Notch Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Pepsi-Cola Eugene Solar	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
109	Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
111	Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
112	Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
114	Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
115	Raft River Geothermal	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
116	Raft River Geothermal 1	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
117	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
121	Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
122	Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	Rockland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	Rogerson Flats	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Salmon Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	Salmon Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2018

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
128	Sawtooth	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	Shepherds Flat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	Shepherds Flat - Central	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	Shepherds Flat - North	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	Shepherds Flat - South	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
134	Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Stateline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	Swager Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
139	Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142	Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
145	Vansycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147	Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148	Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	Wheat Field	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	Wild Horse	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	Yahoo Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Renewable Resources														
164	Cooperative	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18
165	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	Investor Owned Utilities	85.9	86.4	86.4	86.4	86.4	86.6	86.4	86.6	85.5	85.5	85.2	85.5	38.5	85.6
167	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	Municipality	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
169	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	Public Utility District	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
171	**Total**	**126**	**127**	**127**	**127**	**127**	**127**	**127**	**127**	**126**	**126**	**126**	**126**	**79.0**	**126**

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Table A-11: Regional: Renewable Resources

Operating Year 2019

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Renewable Resources														
1	Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41
9	Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03
13	Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Camp Reed	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
22	Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
23	Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
24	Cold Springs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Columbia Ridge Landfill	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
26	Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Condon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Cottonwood Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
33	Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35	Double B Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36	Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
37	Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10
38	Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Farm Power Lynden	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
43	Farm Power Misty Meadow	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
44	Farm Power Rexville	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
45	Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46	Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
47	Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
48	Flathead County Landfill	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
49	Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Goshen North (Ridgeline)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Grandview Solar One	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Grayland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	H.W. Hill Landfill Gas (Roosevelt	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
60	HW Hill Landfill Gas 1	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02
61	HW Hill Landfill Gas 2	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48
62	Hammett Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	Harvest	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2019

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
67	Hopkins Ridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Industrial Finishes	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
74	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Juniper Canyon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	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	0	47.0
77	King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	Klondike 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	Klondike 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Klondike 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Klondike 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Lava Beds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Linden Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	Lower Snake Wind I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	Notch Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Pepsi-Cola Eugene Solar	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
109	Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
111	Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
112	Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
114	Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
115	Raft River Geothermal	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
116	Raft River Geothermal 1	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
117	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
121	Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
122	Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	Rockland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	Rogerson Flats	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Salmon Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	Salmon Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2019

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
128	Sawtooth	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	Shepherds Flat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	Shepherds Flat - Central	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	Shepherds Flat - North	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	Shepherds Flat - South	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
134	Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Stateline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	Swager Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
139	Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142	Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
145	Vansycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147	Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148	Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	Wheat Field	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	Wild Horse	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	Yahoo Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Renewable Resources														
164	Cooperative	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18
165	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	Investor Owned Utilities	85.9	86.4	86.4	86.4	86.4	86.6	86.4	86.6	85.5	85.5	85.2	85.5	38.5	85.6
167	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	Municipality	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
169	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	Public Utility District	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
171	**Total**	**126**	**127**	**127**	**127**	**127**	**127**	**127**	**127**	**126**	**126**	**126**	**126**	**79.0**	**126**

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Table A-11: Regional: Renewable Resources

Operating Year 2020

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Renewable Resources														
1	Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41
9	Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03
13	Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Camp Reed	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
22	Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
23	Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
24	Cold Springs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Columbia Ridge Landfill	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
26	Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Condon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Cottonwood Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
33	Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35	Double B Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36	Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
37	Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10
38	Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Farm Power Lynden	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
43	Farm Power Misty Meadow	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
44	Farm Power Rexville	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
45	Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46	Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
47	Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
48	Flathead County Landfill	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
49	Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Goshen North (Ridgeline)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Grandview Solar One	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Grayland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	H.W. Hill Landfill Gas (Roosevelt	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
60	HW Hill Landfill Gas 1	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02
61	HW Hill Landfill Gas 2	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48
62	Hammett Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	Harvest	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2020

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
67	Hopkins Ridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Industrial Finishes	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
74	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Juniper Canyon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	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
77	King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	Klondike 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	Klondike 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Klondike 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Klondike 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Lava Beds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Linden Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	Lower Snake Wind I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	Notch Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Pepsi-Cola Eugene Solar	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
109	Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
111	Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
112	Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
114	Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
115	Raft River Geothermal	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
116	Raft River Geothermal 1	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
117	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
121	Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
122	Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	Rockland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	Rogerson Flats	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Salmon Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	Salmon Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2020

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
128	Sawtooth	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	Shepherds Flat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	Shepherds Flat - Central	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	Shepherds Flat - North	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	Shepherds Flat - South	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
134	Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Stateline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	Swager Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
139	Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142	Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
145	Vansycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147	Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148	Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	Wheat Field	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	Wild Horse	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	Yahoo Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Renewable Resources														
164	Cooperative	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18
165	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	Investor Owned Utilities	85.9	86.4	86.4	86.4	86.4	86.6	86.4	86.6	85.5	85.5	85.2	85.5	85.5	85.6
167	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	Municipality	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
169	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	Public Utility District	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
171	**Total**	**126**	**127**	**127**	**127**	**127**	**127**	**127**	**127**	**126**	**126**	**126**	**126**	**126**	**126**

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Table A-11: Regional: Renewable Resources

Operating Year 2021

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Renewable Resources														
1	Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41
9	Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03
13	Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Camp Reed	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
22	Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
23	Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
24	Cold Springs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Columbia Ridge Landfill	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
26	Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Condon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Cottonwood Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
33	Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35	Double B Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36	Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
37	Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10
38	Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Farm Power Lynden	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
43	Farm Power Misty Meadow	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
44	Farm Power Rexville	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
45	Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46	Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
47	Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
48	Flathead County Landfill	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
49	Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Goshen North (Ridgeline)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Grandview Solar One	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Grayland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	H.W. Hill Landfill Gas (Roosevelt	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
60	HW Hill Landfill Gas 1	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02
61	HW Hill Landfill Gas 2	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48
62	Hammett Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	Harvest	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2021

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
67	Hopkins Ridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Industrial Finishes	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
74	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Juniper Canyon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	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	0	47.0
77	King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	Klondike 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	Klondike 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Klondike 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Klondike 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Lava Beds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Linden Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	Lower Snake Wind I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	Notch Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Pepsi-Cola Eugene Solar	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
109	Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
111	Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
112	Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
114	Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
115	Raft River Geothermal	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
116	Raft River Geothermal 1	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
117	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
121	Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
122	Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	Rockland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	Rogerson Flats	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Salmon Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	Salmon Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2021

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
128	Sawtooth	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	Shepherds Flat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	Shepherds Flat - Central	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	Shepherds Flat - North	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	Shepherds Flat - South	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
134	Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Stateline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	Swager Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
139	Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142	Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
145	Vansycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147	Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148	Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	Wheat Field	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	Wild Horse	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	Yahoo Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Renewable Resources														
164	Cooperative	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18
165	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	Investor Owned Utilities	85.9	86.4	86.4	86.4	86.4	86.6	86.4	86.6	85.5	85.5	85.2	85.5	38.5	85.6
167	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	Municipality	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
169	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	Public Utility District	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
171	**Total**	**126**	**127**	**127**	**127**	**127**	**127**	**127**	**127**	**126**	**126**	**126**	**126**	**79.0**	**126**

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Table A-11: Regional: Renewable Resources

Operating Year 2022

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Renewable Resources														
1	Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41
9	Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03
13	Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Camp Reed	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
22	Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
23	Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
24	Cold Springs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Columbia Ridge Landfill	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
26	Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Condon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Cottonwood Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
33	Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35	Double B Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36	Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
37	Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10
38	Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Farm Power Lynden	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
43	Farm Power Misty Meadow	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
44	Farm Power Rexville	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
45	Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46	Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
47	Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
48	Flathead County Landfill	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
49	Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Goshen North (Ridgeline)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Grandview Solar One	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Grayland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	H.W. Hill Landfill Gas (Roosevelt	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
60	HW Hill Landfill Gas 1	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02
61	HW Hill Landfill Gas 2	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48
62	Hammett Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	Harvest	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2022

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
67	Hopkins Ridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Industrial Finishes	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
74	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Juniper Canyon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	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	0	47.0
77	King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	Klondike 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	Klondike 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Klondike 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Klondike 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Lava Beds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Linden Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	Lower Snake Wind I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	Notch Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Pepsi-Cola Eugene Solar	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
109	Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
111	Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
112	Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
114	Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
115	Raft River Geothermal	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
116	Raft River Geothermal 1	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
117	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
121	Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
122	Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	Rockland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	Rogerson Flats	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Salmon Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	Salmon Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2022

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
128	Sawtooth	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	Shepherds Flat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	Shepherds Flat - Central	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	Shepherds Flat - North	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	Shepherds Flat - South	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
134	Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Stateline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	Swager Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
139	Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142	Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
145	Vansycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147	Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148	Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	Wheat Field	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	Wild Horse	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	Yahoo Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Renewable Resources														
164	Cooperative	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18
165	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	Investor Owned Utilities	85.9	86.4	86.4	86.4	86.4	86.6	86.4	86.6	85.5	85.5	85.2	85.5	38.5	85.6
167	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	Municipality	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
169	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	Public Utility District	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
171	**Total**	**126**	**127**	**127**	**127**	**127**	**127**	**127**	**127**	**126**	**126**	**126**	**126**	**79.0**	**126**

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Table A-11: Regional: Renewable Resources

Operating Year 2023

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Renewable Resources														
1	Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41
9	Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03
13	Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Camp Reed	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Coffin Butte	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58	5.58
22	Coffin Butte 1	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43	2.43
23	Coffin Butte 2	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
24	Cold Springs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Columbia Ridge Landfill	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
26	Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Condon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Cottonwood Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
33	Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35	Double B Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36	Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
37	Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10
38	Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Farm Power Lynden	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
43	Farm Power Misty Meadow	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
44	Farm Power Rexville	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
45	Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46	Fighting Creek Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
47	Finley BioEnergy	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
48	Flathead County Landfill	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
49	Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Goshen North (Ridgeline)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Grandview Solar One	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Grayland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	H.W. Hill Landfill Gas (Roosevelt	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
60	HW Hill Landfill Gas 1	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02
61	HW Hill Landfill Gas 2	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48
62	Hammett Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	Harvest	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2023

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hidden Hollow Landfill	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
67	Hopkins Ridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Industrial Finishes	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
74	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Juniper Canyon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	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	0	47.0
77	King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	Klondike 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	Klondike 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Klondike 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Klondike 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Lava Beds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Linden Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	Lower Snake Wind I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	Notch Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Pepsi-Cola Eugene Solar	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
109	Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	Pine Products Biomass	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
111	Portland Waste Water	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
112	Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	Puyallup Energy Recovery	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
114	Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
115	Raft River Geothermal	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
116	Raft River Geothermal 1	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
117	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	River Bend Landfill	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
121	Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
122	Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	Rockland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	Rogerson Flats	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Salmon Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	Salmon Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2023

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
128	Sawtooth	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	Shepherds Flat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	Shepherds Flat - Central	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	Shepherds Flat - North	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	Shepherds Flat - South	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Short Mountain	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
134	Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Stateline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	Swager Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
139	Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142	Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
145	Vansycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147	Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148	Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	Wheat Field	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	Wild Horse	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	Yahoo Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Renewable Resources														
164	Cooperative	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18
165	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	Investor Owned Utilities	85.9	86.4	86.4	86.4	86.4	86.6	86.4	86.6	85.5	85.5	85.2	85.5	38.5	85.6
167	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	Municipality	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
169	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	Public Utility District	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
171	**Total**	**126**	**127**	**127**	**127**	**127**	**127**	**127**	**127**	**126**	**126**	**126**	**126**	**79.0**	**126**

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Exhibit 8
Table A-12: Regional Cogeneration Resources

Monthly Capacity
Operating Year 2014 to 2023
Using 1937-Water Conditions

Table A-12: Regional: Cogeneration Resources

Operating Year 2014

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Cogeneration Resources														
1	Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2	Boise Cascade Emmett	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
4	Champion International Paper C	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
5	Cogen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
6	Cogen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
7	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
8	Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
9	Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
10	Everett Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Evergreen Biopower Cogen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
12	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
13	Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Georgia-Pacific Paper (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
15	Grays Harbor Paper	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
16	Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86
17	Hampton Lumber Mill (Darringto	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
18	Hermiston Generation Project	472	472	472	472	472	472	472	472	472	472	0	472	472	472
19	Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
20	Intenational Paper Energy Cente	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
21	Intenational Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
22	Intenational Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
23	InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
24	Lakeview Biomass	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
25	Lancaster	235	235	241	272	276	279	279	278	276	272	272	226	222	235
26	Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
27	Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
28	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	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
30	March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
31	Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
32	Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
33	Port Townsend Mill 1	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
34	Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
35	Potlatch	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
36	Potlach NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
37	Potlach Wood Waste 1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
38	Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
39	Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05
40	SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
41	Seneca Sawmill Cogen	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
42	Sierra Pacific - Abberdeen	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
43	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
44	Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57
45	Simpson Tacoma CoGen	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
46	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
47	SP Newsprint cogen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
48	SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
49	Sumas	126	126	127	130	132	134	134	133	132	131	131	129	127	126
50	Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
51	Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40
52	TASCO - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16
53	TASCO - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
54	Tenaska Gas Cogen	245	245	245	245	245	245	245	245	245	245	245	0	245	245
55	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	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
58	Warm Springs Cogen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
59	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
60	Weyerhaeuser Longview 2	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0

Table A-12: Regional: Cogeneration Resources

Operating Year 2014

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
61	Weyerhauser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
Total Cogeneration Resources															
62	Cooperative	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
63	Direct Service Industry	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
64	Federal Entities	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
65	Investor Owned Utilities	1859	1859	1880	1957	1974	1985	1986	1982	1970	1955	1475	1623	1848	1856
66	Marketer	814	814	814	814	814	814	814	814	184	814	814	814	814	814
67	Municipality	128	128	128	128	128	128	128	128	128	128	128	128	128	128
68	Other	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
69	Public Utility District	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
70	**Total**	**2941**	**2941**	**2964**	**3045**	**3063**	**3077**	**3080**	**3074**	**2406**	**3046**	**2566**	**2711**	**2932**	**2944**

Table A-12: Regional: Cogeneration Resources

Operating Year 2015

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Cogeneration Resources														
1	Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2	Boise Cascade Emmett	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
4	Champion International Paper C	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
5	Cogen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
6	Cogen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
7	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
8	Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
9	Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
10	Everett Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Evergreen Biopower Cogen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
12	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
13	Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Georgia-Pacific Paper (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
15	Grays Harbor Paper	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
16	Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86
17	Hampton Lumber Mill (Darringto	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
18	Hermiston Generation Project	472	472	472	472	472	472	472	472	472	472	0	472	472	472
19	Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
20	Intenational Paper Energy Cente	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
21	Intenational Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
22	Intenational Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
23	InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
24	Lakeview Biomass	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
25	Lancaster	235	235	241	272	276	279	279	278	276	272	272	226	222	235
26	Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
27	Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
28	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	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
30	March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
31	Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
32	Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
33	Port Townsend Mill 1	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
34	Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
35	Potlatch	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
36	Potlach NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
37	Potlach Wood Waste 1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
38	Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
39	Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05
40	SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
41	Seneca Sawmill Cogen	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
42	Sierra Pacific - Abberdeen	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
43	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
44	Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57
45	Simpson Tacoma CoGen	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
46	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
47	SP Newsprint cogen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
48	SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
49	Sumas	126	126	127	130	132	134	134	133	132	131	131	129	127	126
50	Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
51	Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40
52	TASCO - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16
53	TASCO - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
54	Tenaska Gas Cogen	245	245	245	245	245	245	245	245	245	245	245	0	245	245
55	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	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
58	Warm Springs Cogen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
59	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
60	Weyerhaeuser Longview 2	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
61	Weyerhauser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7

Table A-12: Regional: Cogeneration Resources

Operating Year 2015

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Cogeneration Resources														
62	Cooperative	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
63	Direct Service Industry	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
64	Federal Entities	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
65	Investor Owned Utilities	1859	1859	1880	1957	1974	1985	1986	1982	1970	1955	1475	1623	1848	1856
66	Marketer	814	814	814	814	814	814	814	814	184	836	836	836	836	836
67	Municipality	128	128	128	128	128	128	128	128	128	106	106	106	106	106
68	Other	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
69	Public Utility District	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
70	**Total**	**2941**	**2941**	**2964**	**3045**	**3063**	**3077**	**3080**	**3074**	**2406**	**3046**	**2566**	**2711**	**2932**	**2944**

Table A-12: Regional: Cogeneration Resources

Operating Year 2016

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Cogeneration Resources														
1	Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2	Boise Cascade Emmett	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
4	Champion International Paper C	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
5	Cogen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
6	Cogen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
7	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
8	Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
9	Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
10	Everett Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Evergreen Biopower Cogen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
12	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
13	Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Georgia-Pacific Paper (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
15	Grays Harbor Paper	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
16	Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86
17	Hampton Lumber Mill (Darringto	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
18	Hermiston Generation Project	472	472	472	472	472	472	472	472	472	0	0	472	472	472
19	Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
20	Intenational Paper Energy Cente	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
21	Intenational Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
22	Intenational Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
23	InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
24	Lakeview Biomass	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
25	Lancaster	235	235	241	272	276	279	279	278	276	272	272	226	222	235
26	Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
27	Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
28	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	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
30	March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
31	Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
32	Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
33	Port Townsend Mill 1	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
34	Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
35	Potlatch	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
36	Potlach NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
37	Potlach Wood Waste 1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
38	Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
39	Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05
40	SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
41	Seneca Sawmill Cogen	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
42	Sierra Pacific - Abberdeen	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
43	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
44	Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57
45	Simpson Tacoma CoGen	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
46	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
47	SP Newsprint cogen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
48	SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
49	Sumas	126	126	127	130	132	134	134	133	132	131	131	129	127	126
50	Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
51	Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40
52	TASCO - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16
53	TASCO - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
54	Tenaska Gas Cogen	245	245	245	245	245	245	245	245	245	245	245	0	245	245
55	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	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
58	Warm Springs Cogen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
59	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
60	Weyerhaeuser Longview 2	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
61	Weyerhauser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7

Table A-12: Regional: Cogeneration Resources

Operating Year 2016

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Cogeneration Resources														
62	Cooperative	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
63	Direct Service Industry	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
64	Federal Entities	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	0	0	0	0	0
65	Investor Owned Utilities	1859	1859	1880	1957	1974	1985	1986	1982	1970	1483	1475	1623	1848	1856
66	Marketer	836	836	836	836	836	836	836	836	206	836	836	836	836	836
67	Municipality	106	106	106	106	106	106	106	106	106	117	117	116	114	115
68	Other	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
69	Public Utility District	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	82.1	82.1	80.6	78.2	80.2
70	**Total**	**2941**	**2941**	**2964**	**3045**	**3063**	**3077**	**3080**	**3074**	**2406**	**2574**	**2566**	**2711**	**2932**	**2944**

Table A-12: Regional: Cogeneration Resources

Operating Year 2017

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Cogeneration Resources														
1	Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2	Boise Cascade Emmett	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
4	Champion International Paper C	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
5	Cogen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
6	Cogen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
7	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
8	Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
9	Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
10	Everett Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Evergreen Biopower Cogen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
12	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
13	Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Georgia-Pacific Paper (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
15	Grays Harbor Paper	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
16	Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86
17	Hampton Lumber Mill (Darringto	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
18	Hermiston Generation Project	472	472	472	472	472	472	472	472	472	472	0	472	472	472
19	Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
20	Intenational Paper Energy Cente	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
21	Intenational Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
22	Intenational Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
23	InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
24	Lakeview Biomass	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
25	Lancaster	235	235	241	272	276	279	279	278	276	272	272	226	222	235
26	Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
27	Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
28	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	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
30	March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
31	Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
32	Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
33	Port Townsend Mill 1	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
34	Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
35	Potlatch	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
36	Potlach NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
37	Potlach Wood Waste 1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
38	Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
39	Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05
40	SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
41	Seneca Sawmill Cogen	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
42	Sierra Pacific - Abberdeen	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
43	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
44	Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57
45	Simpson Tacoma CoGen	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
46	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
47	SP Newsprint cogen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
48	SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
49	Sumas	126	126	127	130	132	134	134	133	132	131	131	129	127	126
50	Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
51	Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40
52	TASCO - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16
53	TASCO - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
54	Tenaska Gas Cogen	245	245	245	245	245	245	245	245	245	245	245	0	245	245
55	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	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
58	Warm Springs Cogen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
59	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
60	Weyerhaeuser Longview 2	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
61	Weyerhauser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7

Table A-12: Regional: Cogeneration Resources

Operating Year 2017

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Cogeneration Resources														
62	Cooperative	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
63	Direct Service Industry	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
64	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Investor Owned Utilities	1859	1859	1880	1957	1974	1985	1986	1982	1970	1955	1475	1623	1848	1856
66	Marketer	836	836	836	836	836	836	836	836	206	836	836	836	836	836
67	Municipality	113	113	114	116	116	118	118	118	118	117	117	116	114	115
68	Other	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
69	Public Utility District	77.3	77.3	78.3	80.3	80.9	82.4	83.1	82.6	82.6	82.1	82.1	80.6	78.2	80.2
70	**Total**	**2941**	**2941**	**2964**	**3045**	**3063**	**3077**	**3080**	**3074**	**2406**	**3046**	**2566**	**2711**	**2932**	**2944**

Table A-12: Regional: Cogeneration Resources

Operating Year 2018

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Cogeneration Resources														
1	Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2	Boise Cascade Emmett	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
4	Champion International Paper C	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
5	Cogen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
6	Cogen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
7	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
8	Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
9	Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
10	Everett Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Evergreen Biopower Cogen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
12	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
13	Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Georgia-Pacific Paper (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
15	Grays Harbor Paper	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
16	Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86
17	Hampton Lumber Mill (Darringto	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
18	Hermiston Generation Project	472	472	472	472	472	472	472	472	472	472	0	472	472	472
19	Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
20	Intenational Paper Energy Cente	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
21	Intenational Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
22	Intenational Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
23	InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
24	Lakeview Biomass	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
25	Lancaster	235	235	241	272	276	279	279	278	276	272	272	226	222	235
26	Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
27	Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
28	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	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
30	March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
31	Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
32	Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
33	Port Townsend Mill 1	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
34	Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
35	Potlatch	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
36	Potlach NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
37	Potlach Wood Waste 1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
38	Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
39	Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05
40	SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
41	Seneca Sawmill Cogen	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
42	Sierra Pacific - Abberdeen	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
43	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
44	Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57
45	Simpson Tacoma CoGen	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
46	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
47	SP Newsprint cogen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
48	SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
49	Sumas	126	126	127	130	132	134	134	133	132	131	131	129	127	126
50	Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
51	Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40
52	TASCO - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16
53	TASCO - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
54	Tenaska Gas Cogen	245	245	245	245	245	245	245	245	245	245	245	0	245	245
55	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	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
58	Warm Springs Cogen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
59	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
60	Weyerhaeuser Longview 2	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
61	Weyerhauser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7

Table A-12: Regional: Cogeneration Resources

Operating Year 2018

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Cogeneration Resources														
62	Cooperative	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
63	Direct Service Industry	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
64	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Investor Owned Utilities	1859	1859	1880	1957	1974	1985	1986	1982	1970	1955	1475	1623	1848	1856
66	Marketer	836	836	836	836	836	836	836	836	206	836	836	836	836	836
67	Municipality	113	113	114	116	116	118	118	118	118	117	117	116	114	115
68	Other	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
69	Public Utility District	77.3	77.3	78.3	80.3	80.9	82.4	83.1	82.6	82.6	82.1	82.1	80.6	78.2	80.2
70	**Total**	**2941**	**2941**	**2964**	**3045**	**3063**	**3077**	**3080**	**3074**	**2406**	**3046**	**2566**	**2711**	**2932**	**2944**

Table A-12: Regional: Cogeneration Resources

Operating Year 2019

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Cogeneration Resources														
1	Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2	Boise Cascade Emmett	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
4	Champion International Paper C	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
5	Cogen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
6	Cogen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
7	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
8	Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
9	Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
10	Everett Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Evergreen Biopower Cogen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
12	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
13	Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Georgia-Pacific Paper (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
15	Grays Harbor Paper	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
16	Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86
17	Hampton Lumber Mill (Darringto	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
18	Hermiston Generation Project	472	472	472	472	472	472	472	472	472	0	0	472	472	472
19	Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
20	Intenational Paper Energy Cente	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
21	Intenational Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
22	Intenational Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
23	InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
24	Lakeview Biomass	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
25	Lancaster	235	235	241	272	276	279	279	278	276	272	272	226	222	235
26	Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
27	Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
28	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	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
30	March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
31	Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
32	Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
33	Port Townsend Mill 1	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
34	Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
35	Potlatch	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
36	Potlach NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
37	Potlach Wood Waste 1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
38	Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
39	Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05
40	SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
41	Seneca Sawmill Cogen	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
42	Sierra Pacific - Abberdeen	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
43	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
44	Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57
45	Simpson Tacoma CoGen	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
46	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
47	SP Newsprint cogen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
48	SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
49	Sumas	126	126	127	130	132	134	134	133	132	131	131	129	127	126
50	Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
51	Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40
52	TASCO - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16
53	TASCO - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
54	Tenaska Gas Cogen	245	245	245	245	245	245	245	245	245	245	245	0	245	245
55	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	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
58	Warm Springs Cogen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
59	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
60	Weyerhaeuser Longview 2	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
61	Weyerhauser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7

Table A-12: Regional: Cogeneration Resources

Operating Year 2019

2012 White Book Report Date: **10/19/2012**

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	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Cogeneration Resources														
62	Cooperative	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
63	Direct Service Industry	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
64	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Investor Owned Utilities	1859	1859	1880	1957	1974	1985	1986	1982	1970	1483	1475	1623	1848	1856
66	Marketer	836	836	836	836	836	836	836	836	206	836	836	836	836	836
67	Municipality	113	113	114	116	116	118	118	118	118	117	117	116	114	115
68	Other	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
69	Public Utility District	77.3	77.3	78.3	80.3	80.9	82.4	83.1	82.6	82.6	82.1	82.1	80.6	78.2	80.2
70	**Total**	**2941**	**2941**	**2964**	**3045**	**3063**	**3077**	**3080**	**3074**	**2406**	**2574**	**2566**	**2711**	**2932**	**2944**

Table A-12: Regional: Cogeneration Resources

Operating Year 2020

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Cogeneration Resources														
1	Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2	Boise Cascade Emmett	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
4	Champion International Paper C	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
5	Cogen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
6	Cogen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
7	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
8	Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
9	Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
10	Everett Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Evergreen Biopower Cogen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
12	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
13	Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Georgia-Pacific Paper (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
15	Grays Harbor Paper	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
16	Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86
17	Hampton Lumber Mill (Darringto	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
18	Hermiston Generation Project	472	472	472	472	472	472	472	472	472	472	0	472	472	472
19	Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
20	Intenational Paper Energy Cente	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
21	Intenational Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
22	Intenational Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
23	InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
24	Lakeview Biomass	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
25	Lancaster	235	235	241	272	276	279	279	278	276	272	272	226	222	235
26	Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
27	Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
28	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	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
30	March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
31	Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
32	Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
33	Port Townsend Mill 1	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
34	Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
35	Potlatch	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
36	Potlach NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
37	Potlach Wood Waste 1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
38	Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
39	Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05
40	SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
41	Seneca Sawmill Cogen	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
42	Sierra Pacific - Abberdeen	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
43	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
44	Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57
45	Simpson Tacoma CoGen	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
46	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
47	SP Newsprint cogen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
48	SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
49	Sumas	126	126	127	130	132	134	134	133	132	131	131	129	127	126
50	Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
51	Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40
52	TASCO - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16
53	TASCO - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
54	Tenaska Gas Cogen	245	245	245	245	245	245	245	245	245	245	245	0	245	245
55	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	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
58	Warm Springs Cogen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
59	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
60	Weyerhaeuser Longview 2	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
61	Weyerhauser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7

Table A-12: Regional: Cogeneration Resources

Operating Year 2020

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Cogeneration Resources														
62	Cooperative	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
63	Direct Service Industry	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
64	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Investor Owned Utilities	1859	1859	1880	1957	1974	1985	1986	1982	1970	1955	1475	1623	1848	1856
66	Marketer	836	836	836	836	836	836	836	836	206	836	836	836	836	836
67	Municipality	113	113	114	116	116	118	118	118	118	117	117	116	114	115
68	Other	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
69	Public Utility District	77.3	77.3	78.3	80.3	80.9	82.4	83.1	82.6	82.6	82.1	82.1	80.6	78.2	80.2
70	**Total**	**2941**	**2941**	**2964**	**3045**	**3063**	**3077**	**3080**	**3074**	**2406**	**3046**	**2566**	**2711**	**2932**	**2944**

Table A-12: Regional: Cogeneration Resources

Operating Year 2021

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Cogeneration Resources														
1	Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2	Boise Cascade Emmett	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
4	Champion International Paper C	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
5	Cogen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
6	Cogen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
7	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
8	Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
9	Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
10	Everett Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Evergreen Biopower Cogen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
12	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
13	Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Georgia-Pacific Paper (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
15	Grays Harbor Paper	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
16	Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86
17	Hampton Lumber Mill (Darringto	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
18	Hermiston Generation Project	472	472	472	472	472	472	472	472	472	472	0	472	472	472
19	Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
20	Intenational Paper Energy Cente	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
21	Intenational Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
22	Intenational Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
23	InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
24	Lakeview Biomass	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
25	Lancaster	235	235	241	272	276	279	279	278	276	272	272	226	222	235
26	Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
27	Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
28	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	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
30	March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
31	Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
32	Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
33	Port Townsend Mill 1	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
34	Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
35	Potlatch	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
36	Potlach NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
37	Potlach Wood Waste 1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
38	Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
39	Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05
40	SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
41	Seneca Sawmill Cogen	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
42	Sierra Pacific - Abberdeen	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
43	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
44	Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57
45	Simpson Tacoma CoGen	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
46	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
47	SP Newsprint cogen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
48	SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
49	Sumas	126	126	127	130	132	134	134	133	132	131	131	129	127	126
50	Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
51	Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40
52	TASCO - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16
53	TASCO - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
54	Tenaska Gas Cogen	245	245	245	245	245	245	245	245	245	245	245	0	245	245
55	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	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
58	Warm Springs Cogen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
59	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
60	Weyerhaeuser Longview 2	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
61	Weyerhauser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7

Table A-12: Regional: Cogeneration Resources

Operating Year 2021

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Cogeneration Resources														
62	Cooperative	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
63	Direct Service Industry	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
64	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Investor Owned Utilities	1859	1859	1880	1957	1974	1985	1986	1982	1970	1955	1475	1623	1848	1856
66	Marketer	836	836	836	836	836	836	836	836	206	836	836	836	836	836
67	Municipality	113	113	114	116	116	118	118	118	118	117	117	116	114	115
68	Other	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
69	Public Utility District	77.3	77.3	78.3	80.3	80.9	82.4	83.1	82.6	82.6	82.1	82.1	80.6	78.2	80.2
70	**Total**	**2941**	**2941**	**2964**	**3045**	**3063**	**3077**	**3080**	**3074**	**2406**	**3046**	**2566**	**2711**	**2932**	**2944**

Table A-12: Regional: Cogeneration Resources

Operating Year 2022

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Cogeneration Resources														
1	Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2	Boise Cascade Emmett	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
4	Champion International Paper C	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
5	Cogen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
6	Cogen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
7	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
8	Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
9	Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
10	Everett Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Evergreen Biopower Cogen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
12	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
13	Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Georgia-Pacific Paper (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
15	Grays Harbor Paper	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
16	Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86
17	Hampton Lumber Mill (Darringto	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
18	Hermiston Generation Project	472	472	472	472	472	472	472	472	472	0	0	472	472	472
19	Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
20	Intenational Paper Energy Cente	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
21	Intenational Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
22	Intenational Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
23	InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
24	Lakeview Biomass	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
25	Lancaster	235	235	241	272	276	279	279	278	276	272	272	226	222	235
26	Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
27	Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
28	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	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
30	March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
31	Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
32	Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
33	Port Townsend Mill 1	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
34	Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
35	Potlatch	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
36	Potlach NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
37	Potlach Wood Waste 1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
38	Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
39	Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05
40	SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
41	Seneca Sawmill Cogen	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
42	Sierra Pacific - Abberdeen	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
43	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
44	Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57
45	Simpson Tacoma CoGen	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
46	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
47	SP Newsprint cogen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
48	SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
49	Sumas	126	126	127	130	132	134	134	133	132	131	131	129	127	126
50	Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
51	Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40
52	TASCO - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16
53	TASCO - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
54	Tenaska Gas Cogen	245	245	245	245	245	245	245	245	245	245	245	0	245	245
55	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	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
58	Warm Springs Cogen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
59	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
60	Weyerhaeuser Longview 2	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
61	Weyerhauser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7

Table A-12: Regional: Cogeneration Resources

Operating Year 2022

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Cogeneration Resources														
62	Cooperative	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
63	Direct Service Industry	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
64	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Investor Owned Utilities	1859	1859	1880	1957	1974	1985	1986	1982	1970	1483	1475	1623	1848	1856
66	Marketer	891	891	891	891	891	891	891	891	261	891	891	891	891	891
67	Municipality	57.6	57.6	58.6	60.6	61.2	62.7	63.4	62.9	62.9	62.4	62.4	60.9	58.5	60.5
68	Other	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
69	Public Utility District	77.3	77.3	78.3	80.3	80.9	82.4	83.1	82.6	82.6	82.1	82.1	80.6	78.2	80.2
70	**Total**	**2941**	**2941**	**2964**	**3045**	**3063**	**3077**	**3080**	**3074**	**2406**	**2574**	**2566**	**2711**	**2932**	**2944**

Table A-12: Regional: Cogeneration Resources

Operating Year 2023

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Cogeneration Resources														
1	Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2	Boise Cascade Emmett	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
4	Champion International Paper C	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
5	Cogen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
6	Cogen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
7	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
8	Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
9	Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
10	Everett Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Evergreen Biopower Cogen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
12	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
13	Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Georgia-Pacific Paper (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
15	Grays Harbor Paper	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
16	Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86
17	Hampton Lumber Mill (Darringto	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
18	Hermiston Generation Project	472	472	472	472	472	472	472	472	472	472	0	472	472	472
19	Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
20	Intenational Paper Energy Cente	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
21	Intenational Paper Energy Center 2	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46
22	Intenational Paper Energy Center 1	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
23	InterFor Pacific - Gilchrist	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
24	Lakeview Biomass	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
25	Lancaster	235	235	241	272	276	279	279	278	276	272	272	226	222	235
26	Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
27	Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
28	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	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
30	March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
31	Metro West Point	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
32	Port Townsend Mill	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
33	Port Townsend Mill 1	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
34	Port Townsend Mill 2	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
35	Potlatch	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
36	Potlach NG 1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
37	Potlach Wood Waste 1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
38	Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
39	Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05
40	SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
41	Seneca Sawmill Cogen	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
42	Sierra Pacific - Abberdeen	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
43	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
44	Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57
45	Simpson Tacoma CoGen	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
46	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
47	SP Newsprint cogen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
48	SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
49	Sumas	126	126	127	130	132	134	134	133	132	131	131	129	127	126
50	Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
51	Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40
52	TASCO - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16
53	TASCO - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
54	Tenaska Gas Cogen	245	245	245	245	245	245	245	245	245	245	245	0	245	245
55	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	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
58	Warm Springs Cogen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
59	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
60	Weyerhaeuser Longview 2	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
61	Weyerhauser Longview 1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7

Table A-12: Regional: Cogeneration Resources

Operating Year 2023

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Cogeneration Resources														
62	Cooperative	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
63	Direct Service Industry	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
64	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Investor Owned Utilities	1859	1859	1880	1957	1974	1985	1986	1982	1970	1955	1475	1623	1848	1856
66	Marketer	891	891	891	891	891	891	891	891	261	891	891	891	891	891
67	Municipality	57.6	57.6	58.6	60.6	61.2	62.7	63.4	62.9	62.9	62.4	62.4	60.9	58.5	60.5
68	Other	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	0	26.8	26.8	26.8	26.8	26.8
69	Public Utility District	77.3	77.3	78.3	80.3	80.9	82.4	83.1	82.6	82.6	82.1	82.1	80.6	78.2	80.2
70	**Total**	**2941**	**2941**	**2964**	**3045**	**3063**	**3077**	**3080**	**3074**	**2406**	**3046**	**2566**	**2711**	**2932**	**2944**

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Exhibit 9
Table A-13: Regional Large Thermal Resources

Monthly Capacity
Operating Year 2014 to 2023
Using 1937-Water Conditions

Table A-13: Regional: Large Thermal Resources

Operating Year 2014

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Large Thermal Resources														
1	Boardman	580	580	580	580	580	580	580	580	580	580	580	0	580	580
2	Centralia	1588	1588	1588	1588	1588	1588	1588	1588	1588	1588	1588	670	1588	1588
3	Big Hanaford	248	248	248	248	248	248	248	248	248	248	248	0	248	248
4	Centralia 1	670	670	670	670	670	670	670	670	670	670	670	0	670	670
5	Centralia 2	670	670	670	670	670	670	670	670	670	670	670	670	670	670
6	Colstrip	1565	1565	1565	1565	1565	1565	1565	1565	1565	1047	1047	1412	1412	1565
7	Colstrip 1	154	154	154	154	154	154	154	154	154	154	154	154	154	154
8	Colstrip 2	154	154	154	154	154	154	154	154	154	154	154	0	0	154
9	Colstrip 3	518	518	518	518	518	518	518	518	518	0	0	518	518	518
10	Colstrip 4	740	740	740	740	740	740	740	740	740	740	740	740	740	740
11	Columbia Generating Station	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
12	Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	1590	1590	2120	2120
13	Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	0	0	530	530
14	Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15	Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16	Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
17	Valmy	261	261	261	261	261	261	261	261	261	261	261	261	261	261
18	North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
19	North Valmy1	127	127	127	127	127	127	127	127	127	127	127	127	127	127
	Total Large Thermal Resources														
20	Federal Entities	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
21	Investor Owned Utilities	4468	4468	4468	4468	4468	4468	4468	4468	4468	3950	3420	3262	4314	4468
22	Marketer	1588	1588	1588	1588	1588	1588	1588	1588	1588	1588	1588	670	1588	1588
23	Municipality	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	0	58.0	58.0
24	**Total**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**6726**	**6196**	**5062**	**7090**	**7244**

Table A-13: Regional: Large Thermal Resources

Operating Year 2015

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Large Thermal Resources														
1	Boardman	580	580	580	580	580	580	580	580	580	580	580	0	580	580
2	Centralia	1588	1588	1588	1588	1588	1588	1588	1588	1588	1588	1588	670	1588	1588
3	Big Hanaford	248	248	248	248	248	248	248	248	248	248	248	0	248	248
4	Centralia 1	670	670	670	670	670	670	670	670	670	670	670	670	670	670
5	Centralia 2	670	670	670	670	670	670	670	670	670	670	670	0	670	670
6	Colstrip	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1412	1565
7	Colstrip 1	154	154	154	154	154	154	154	154	154	154	154	154	0	154
8	Colstrip 2	154	154	154	154	154	154	154	154	154	154	154	154	154	154
9	Colstrip 3	518	518	518	518	518	518	518	518	518	518	518	518	518	518
10	Colstrip 4	740	740	740	740	740	740	740	740	740	740	740	740	740	740
11	Columbia Generating Station	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
12	Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
13	Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14	Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15	Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16	Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
17	Valmy	261	261	261	261	261	261	261	261	261	261	261	261	261	261
18	North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
19	North Valmy1	127	127	127	127	127	127	127	127	127	127	127	127	127	127
	Total Large Thermal Resources														
20	Federal Entities	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
21	Investor Owned Utilities	4468	4468	4468	4468	4468	4677	4677	4677	4677	4677	4677	3946	4523	4677
22	Marketer	1588	1588	1588	1588	1588	1379	1379	1379	1379	1379	1379	670	1379	1379
23	Municipality	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	0	58.0	58.0
24	**Total**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**4616**	**5960**	**7244**

Table A-13: Regional: Large Thermal Resources

Operating Year 2016

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Large Thermal Resources														
1	Boardman	580	580	580	580	580	580	580	580	580	580	580	0	580	580
2	Centralia	1588	1588	1588	1588	1588	1588	1588	1588	1588	918	918	1340	1588	1588
3	Big Hanaford	248	248	248	248	248	248	248	248	248	248	248	0	248	248
4	Centralia 1	670	670	670	670	670	670	670	670	670	0	0	670	670	670
5	Centralia 2	670	670	670	670	670	670	670	670	670	670	670	670	670	670
6	Colstrip	1565	1565	1565	1565	1565	1565	1565	1565	1565	825	825	1565	1565	1565
7	Colstrip 1	154	154	154	154	154	154	154	154	154	154	154	154	154	154
8	Colstrip 2	154	154	154	154	154	154	154	154	154	154	154	154	154	154
9	Colstrip 3	518	518	518	518	518	518	518	518	518	518	518	518	518	518
10	Colstrip 4	740	740	740	740	740	740	740	740	740	0	0	740	740	740
11	Columbia Generating Station	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
12	Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	1590	2120	2120	2120
13	Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	0	530	530	530
14	Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15	Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16	Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
17	Valmy	261	261	261	261	261	261	261	261	261	261	261	261	261	261
18	North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
19	North Valmy1	127	127	127	127	127	127	127	127	127	127	127	127	127	127
	Total Large Thermal Resources														
20	Federal Entities	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
21	Investor Owned Utilities	4677	4677	4677	4677	4677	4767	4767	4767	4767	4027	3497	4245	4767	4767
22	Marketer	1379	1379	1379	1379	1379	1289	1289	1289	1289	619	619	1041	1289	1289
23	Municipality	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	0	58.0	58.0
24	**Total**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**5834**	**5304**	**6416**	**7244**	**7244**

Table A-13: Regional: Large Thermal Resources

Operating Year 2017

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Large Thermal Resources														
1	Boardman	580	580	580	580	580	580	580	580	580	580	580	0	580	580
2	Centralia	1588	1588	1588	1588	1588	1588	1588	1588	1588	918	918	1340	1588	1588
3	Big Hanaford	248	248	248	248	248	248	248	248	248	248	248	0	248	248
4	Centralia 1	670	670	670	670	670	670	670	670	670	670	670	670	670	670
5	Centralia 2	670	670	670	670	670	670	670	670	670	0	0	670	670	670
6	Colstrip	1565	1565	1565	1565	1565	1565	1565	1565	1565	1047	1047	1412	1412	1565
7	Colstrip 1	154	154	154	154	154	154	154	154	154	154	154	154	154	154
8	Colstrip 2	154	154	154	154	154	154	154	154	154	154	154	0	0	154
9	Colstrip 3	518	518	518	518	518	518	518	518	518	0	0	518	518	518
10	Colstrip 4	740	740	740	740	740	740	740	740	740	740	740	740	740	740
11	Columbia Generating Station	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
12	Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
13	Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14	Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15	Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16	Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
17	Valmy	261	261	261	261	261	261	261	261	261	261	261	261	261	261
18	North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
19	North Valmy1	127	127	127	127	127	127	127	127	127	127	127	127	127	127
	Total Large Thermal Resources														
20	Federal Entities	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
21	Investor Owned Utilities	4767	4767	4767	4767	4767	4927	4927	4927	4927	3950	3950	4252	4774	4927
22	Marketer	1289	1289	1289	1289	1289	1128	1128	1128	1128	918	918	880	1128	1128
23	Municipality	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	0	58.0	58.0
24	**Total**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**6056**	**6056**	**5132**	**5960**	**7244**

Table A-13: Regional: Large Thermal Resources

Operating Year 2018

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Large Thermal Resources														
1	Boardman	580	580	580	580	580	580	580	580	580	580	580	0	580	580
2	Centralia	1588	1588	1588	1588	1588	1588	1588	1588	1588	1588	1588	670	1588	1588
3	Big Hanaford	248	248	248	248	248	248	248	248	248	248	248	0	248	248
4	Centralia 1	670	670	670	670	670	670	670	670	670	670	670	0	670	670
5	Centralia 2	670	670	670	670	670	670	670	670	670	670	670	670	670	670
6	Colstrip	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1412	1565
7	Colstrip 1	154	154	154	154	154	154	154	154	154	154	154	154	0	154
8	Colstrip 2	154	154	154	154	154	154	154	154	154	154	154	154	154	154
9	Colstrip 3	518	518	518	518	518	518	518	518	518	518	518	518	518	518
10	Colstrip 4	740	740	740	740	740	740	740	740	740	740	740	740	740	740
11	Columbia Generating Station	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
12	Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	1590	2120	2120
13	Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	0	530	530
14	Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15	Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16	Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
17	Valmy	261	261	261	261	261	261	261	261	261	261	261	261	261	261
18	North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
19	North Valmy1	127	127	127	127	127	127	127	127	127	127	127	127	127	127
	Total Large Thermal Resources														
20	Federal Entities	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
21	Investor Owned Utilities	4927	4927	4927	4927	4927	4874	4874	4874	4874	4874	4874	3822	4721	4874
22	Marketer	1128	1128	1128	1128	1128	1181	1181	1181	1181	1181	1181	263	1181	1181
23	Municipality	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	0	58.0	58.0
24	**Total**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**5216**	**7090**	**7244**

Table A-13: Regional: Large Thermal Resources

Operating Year 2019

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Large Thermal Resources														
1	Boardman	580	580	580	580	580	580	580	580	580	580	580	0	580	580
2	Centralia	1588	1588	1588	1588	1588	1588	1588	1588	1588	1588	1588	670	1588	1588
3	Big Hanaford	248	248	248	248	248	248	248	248	248	248	248	0	248	248
4	Centralia 1	670	670	670	670	670	670	670	670	670	670	670	670	670	670
5	Centralia 2	670	670	670	670	670	670	670	670	670	670	670	0	670	670
6	Colstrip	1565	1565	1565	1565	1565	1565	1565	1565	1565	825	825	1565	1565	1565
7	Colstrip 1	154	154	154	154	154	154	154	154	154	154	154	154	154	154
8	Colstrip 2	154	154	154	154	154	154	154	154	154	154	154	154	154	154
9	Colstrip 3	518	518	518	518	518	518	518	518	518	518	518	518	518	518
10	Colstrip 4	740	740	740	740	740	740	740	740	740	0	0	740	740	740
11	Columbia Generating Station	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
12	Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
13	Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14	Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15	Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16	Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
17	Valmy	261	261	261	261	261	261	261	261	261	261	261	261	261	261
18	North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
19	North Valmy1	127	127	127	127	127	127	127	127	127	127	127	127	127	127
	Total Large Thermal Resources														
20	Federal Entities	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
21	Investor Owned Utilities	4874	4874	4874	4874	4874	4908	4908	4908	4908	4168	4168	3946	4908	4908
22	Marketer	1181	1181	1181	1181	1181	1147	1147	1147	1147	1147	1147	670	1147	1147
23	Municipality	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	0	58.0	58.0
24	**Total**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**6504**	**6504**	**4616**	**6114**	**7244**

Table A-13: Regional: Large Thermal Resources

Operating Year 2020

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Large Thermal Resources														
1	Boardman	580	580	580	580	580	580	580	580	580	580	580	0	580	580
2	Centralia	1588	1588	1588	1588	1588	1588	1588	1588	1588	1588	1588	670	1588	1588
3	Big Hanaford	248	248	248	248	248	248	248	248	248	248	248	0	248	248
4	Centralia 1	670	670	670	670	670	670	670	670	670	670	670	0	670	670
5	Centralia 2	670	670	670	670	670	670	670	670	670	670	670	670	670	670
6	Colstrip	1565	1565	1565	1565	1565	1565	1565	1565	1565	1047	1047	1412	1412	1565
7	Colstrip 1	154	154	154	154	154	154	154	154	154	154	154	154	154	154
8	Colstrip 2	154	154	154	154	154	154	154	154	154	154	154	0	0	154
9	Colstrip 3	518	518	518	518	518	518	518	518	518	0	0	518	518	518
10	Colstrip 4	740	740	740	740	740	740	740	740	740	740	740	740	740	740
11	Columbia Generating Station	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
12	Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	1590	1590	2120	2120
13	Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	0	0	530	530
14	Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15	Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16	Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
17	Valmy	261	261	261	261	261	261	261	261	261	261	261	261	261	261
18	North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
19	North Valmy1	127	127	127	127	127	127	127	127	127	127	127	127	127	127
	Total Large Thermal Resources														
20	Federal Entities	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
21	Investor Owned Utilities	4908	4908	4908	4908	4908	4874	4874	4874	4874	4356	3826	3669	4721	4874
22	Marketer	1147	1147	1147	1147	1147	1181	1181	1181	1181	1181	1181	263	1181	1181
23	Municipality	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	0	58.0	58.0
24	**Total**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**7244**	**6726**	**6196**	**5062**	**7090**	**7244**

Table A-13: Regional: Large Thermal Resources

Operating Year 2021

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Large Thermal Resources														
1	Boardman	580	580	580	580	580	580	0	0	0	0	0	0	0	0
2	Centralia	1588	1588	1588	1588	1588	918	918	918	918	918	918	0	918	918
3	Big Hanaford	248	248	248	248	248	248	248	248	248	248	248	0	248	248
4	Centralia 1	670	670	670	670	670	0	0	0	0	0	0	0	0	0
5	Centralia 2	670	670	670	670	670	670	670	670	670	670	670	0	670	670
6	Colstrip	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1412	1565
7	Colstrip 1	154	154	154	154	154	154	154	154	154	154	154	154	0	154
8	Colstrip 2	154	154	154	154	154	154	154	154	154	154	154	154	154	154
9	Colstrip 3	518	518	518	518	518	518	518	518	518	518	518	518	518	518
10	Colstrip 4	740	740	740	740	740	740	740	740	740	740	740	740	740	740
11	Columbia Generating Station	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
12	Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
13	Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14	Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15	Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16	Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
17	Valmy	261	261	261	261	261	261	261	261	261	261	261	261	261	261
18	North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
19	North Valmy1	127	127	127	127	127	127	127	127	127	127	127	127	127	127
	Total Large Thermal Resources														
20	Federal Entities	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
21	Investor Owned Utilities	4874	4874	4874	4874	4874	4908	4386	4386	4386	4386	4386	3946	4233	4386
22	Marketer	1181	1181	1181	1181	1181	477	477	477	477	477	477	0	477	477
23	Municipality	58.0	58.0	58.0	58.0	58.0	58.0	0	0	0	0	0	0	0	0
24	**Total**	**7244**	**7244**	**7244**	**7244**	**7244**	**6574**	**5994**	**5994**	**5994**	**5994**	**5994**	**3946**	**4710**	**5994**

Table A-13: Regional: Large Thermal Resources

Operating Year 2022

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Large Thermal Resources														
1	Boardman	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Centralia	918	918	918	918	918	918	918	918	918	918	918	670	918	918
3	Big Hanaford	248	248	248	248	248	248	248	248	248	248	248	0	248	248
4	Centralia 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Centralia 2	670	670	670	670	670	670	670	670	670	670	670	670	670	670
6	Colstrip	1565	1565	1565	1565	1565	1565	1565	1565	1565	825	825	1565	1565	1565
7	Colstrip 1	154	154	154	154	154	154	154	154	154	154	154	154	154	154
8	Colstrip 2	154	154	154	154	154	154	154	154	154	154	154	154	154	154
9	Colstrip 3	518	518	518	518	518	518	518	518	518	518	518	518	518	518
10	Colstrip 4	740	740	740	740	740	740	740	740	740	0	0	740	740	740
11	Columbia Generating Station	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
12	Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	1590	2120	2120	2120
13	Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	0	530	530	530
14	Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15	Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16	Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
17	Valmy	261	261	261	261	261	261	261	261	261	261	261	261	261	261
18	North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
19	North Valmy1	127	127	127	127	127	127	127	127	127	127	127	127	127	127
	Total Large Thermal Resources														
20	Federal Entities	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
21	Investor Owned Utilities	4386	4386	4386	4386	4386	4352	4352	4352	4352	3612	3082	4352	4352	4352
22	Marketer	477	477	477	477	477	511	511	511	511	511	511	263	511	511
23	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	**Total**	**5994**	**5994**	**5994**	**5994**	**5994**	**5994**	**5994**	**5994**	**5994**	**5254**	**4724**	**5746**	**5994**	**5994**

Table A-13: Regional: Large Thermal Resources

Operating Year 2023

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Large Thermal Resources														
1	Boardman	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Centralia	918	918	918	918	918	918	918	918	918	248	248	670	918	918
3	Big Hanaford	248	248	248	248	248	248	248	248	248	248	248	0	248	248
4	Centralia 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Centralia 2	670	670	670	670	670	670	670	670	670	0	0	670	670	670
6	Colstrip	1565	1565	1565	1565	1565	1565	1565	1565	1565	1047	1047	1412	1412	1565
7	Colstrip 1	154	154	154	154	154	154	154	154	154	154	154	154	154	154
8	Colstrip 2	154	154	154	154	154	154	154	154	154	154	154	0	0	154
9	Colstrip 3	518	518	518	518	518	518	518	518	518	0	0	518	518	518
10	Colstrip 4	740	740	740	740	740	740	740	740	740	740	740	740	740	740
11	Columbia Generating Station	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
12	Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
13	Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14	Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15	Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16	Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
17	Valmy	261	261	261	261	261	261	261	261	261	261	261	261	261	261
18	North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
19	North Valmy1	127	127	127	127	127	127	127	127	127	127	127	127	127	127
	Total Large Thermal Resources														
20	Federal Entities	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
21	Investor Owned Utilities	4352	4352	4352	4352	4352	4405	4405	4405	4405	3428	3428	4252	4252	4405
22	Marketer	511	511	511	511	511	458	458	458	458	248	248	210	458	458
23	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	**Total**	**5994**	**5994**	**5994**	**5994**	**5994**	**5994**	**5994**	**5994**	**5994**	**4806**	**4806**	**4462**	**4710**	**5994**

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Exhibit 10
Table A-14: Regional Small Thermal & Miscellaneous

Monthly Capacity
Operating Year 2014 to 2023
Using 1937-Water Conditions

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2014

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Thermal & Miscellaneous														
1	Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2	Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3	Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4	Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6	Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7	Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
9	Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10	Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
11	Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12	Spokane MSW	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
13	Treasure Valley	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
14	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12
	Total Small Thermal & Miscellaneous														
15	Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
16	Investor Owned Utilities	52.7	53.0	52.1	52.2	52.5	53.6	54.0	53.7	52.3	52.4	52.1	54.3	52.1	51.4
17	Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
18	Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
19	**Total**	**84.1**	**84.4**	**83.5**	**83.6**	**83.9**	**85.0**	**85.4**	**85.1**	**83.7**	**83.8**	**83.5**	**85.7**	**83.5**	**82.8**

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2015

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Thermal & Miscellaneous														
1	Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2	Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3	Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4	Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6	Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7	Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
9	Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10	Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
11	Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12	Spokane MSW	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
13	Treasure Valley	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
14	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12
	Total Small Thermal & Miscellaneous														
15	Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
16	Investor Owned Utilities	52.7	53.0	52.1	52.2	52.5	53.6	54.0	53.7	52.3	52.4	52.1	54.3	52.1	51.4
17	Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
18	Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
19	**Total**	**84.1**	**84.4**	**83.5**	**83.6**	**83.9**	**85.0**	**85.4**	**85.1**	**83.7**	**83.8**	**83.5**	**85.7**	**83.5**	**82.8**

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2016

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Thermal & Miscellaneous														
1	Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2	Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3	Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4	Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6	Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7	Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
9	Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10	Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
11	Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12	Spokane MSW	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1
13	Treasure Valley	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
14	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12
	Total Small Thermal & Miscellaneous														
15	Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
16	Investor Owned Utilities	52.7	53.0	52.1	52.2	52.5	53.6	54.0	53.7	52.3	52.4	52.1	54.3	52.1	51.4
17	Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
18	Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
19	**Total**	**84.1**	**84.4**	**83.5**	**83.6**	**83.9**	**85.0**	**85.4**	**85.1**	**83.7**	**83.8**	**83.5**	**85.7**	**83.5**	**82.8**

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2017

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Thermal & Miscellaneous														
1	Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2	Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3	Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4	Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6	Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7	Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
9	Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10	Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
11	Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12	Spokane MSW	16.1	16.1	16.1	16.1	16.1	16.1	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
13	Treasure Valley	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
14	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12
	Total Small Thermal & Miscellaneous														
15	Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
16	Investor Owned Utilities	52.7	53.0	52.1	52.2	52.5	53.6	52.9	52.6	51.2	51.3	51.0	53.2	51.0	50.3
17	Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
18	Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
19	**Total**	**84.1**	**84.4**	**83.5**	**83.6**	**83.9**	**85.0**	**84.3**	**84.0**	**82.6**	**82.7**	**82.4**	**84.6**	**82.4**	**81.7**

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2018

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Thermal & Miscellaneous														
1	Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2	Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3	Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4	Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6	Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7	Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
9	Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10	Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
11	Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12	Spokane MSW	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	15.0
13	Treasure Valley	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
14	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12
	Total Small Thermal & Miscellaneous														
15	Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
16	Investor Owned Utilities	51.6	51.9	51.0	51.1	51.4	52.5	52.9	52.6	51.2	51.3	51.0	53.2	51.0	50.3
17	Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
18	Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
19	**Total**	**83.0**	**83.3**	**82.4**	**82.5**	**82.8**	**83.9**	**84.3**	**84.0**	**82.6**	**82.7**	**82.4**	**84.6**	**82.4**	**81.7**

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2019

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Thermal & Miscellaneous														
1	Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2	Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3	Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4	Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6	Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7	Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
9	Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10	Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
11	Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12	Spokane MSW	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	15.0
13	Treasure Valley	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
14	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12
	Total Small Thermal & Miscellaneous														
15	Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
16	Investor Owned Utilities	51.6	51.9	51.0	51.1	51.4	52.5	52.9	52.6	51.2	51.3	51.0	53.2	51.0	50.3
17	Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
18	Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
19	**Total**	**83.0**	**83.3**	**82.4**	**82.5**	**82.8**	**83.9**	**84.3**	**84.0**	**82.6**	**82.7**	**82.4**	**84.6**	**82.4**	**81.7**

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2020

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Thermal & Miscellaneous														
1	Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2	Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3	Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4	Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6	Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7	Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
9	Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10	Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
11	Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12	Spokane MSW	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	15.0
13	Treasure Valley	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
14	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12
	Total Small Thermal & Miscellaneous														
15	Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
16	Investor Owned Utilities	51.6	51.9	51.0	51.1	51.4	52.5	52.9	52.6	51.2	51.3	51.0	53.2	51.0	50.3
17	Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
18	Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
19	**Total**	**83.0**	**83.3**	**82.4**	**82.5**	**82.8**	**83.9**	**84.3**	**84.0**	**82.6**	**82.7**	**82.4**	**84.6**	**82.4**	**81.7**

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2021

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Thermal & Miscellaneous														
1	Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2	Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3	Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4	Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6	Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7	Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
9	Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10	Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
11	Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12	Spokane MSW	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	15.0
13	Treasure Valley	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
14	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12
	Total Small Thermal & Miscellaneous														
15	Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
16	Investor Owned Utilities	51.6	51.9	51.0	51.1	51.4	52.5	52.9	52.6	51.2	51.3	51.0	53.2	51.0	50.3
17	Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
18	Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
19	**Total**	**83.0**	**83.3**	**82.4**	**82.5**	**82.8**	**83.9**	**84.3**	**84.0**	**82.6**	**82.7**	**82.4**	**84.6**	**82.4**	**81.7**

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2022

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Thermal & Miscellaneous														
1	Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2	Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3	Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4	Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6	Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7	Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
9	Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10	Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
11	Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12	Spokane MSW	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	15.0
13	Treasure Valley	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
14	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12
	Total Small Thermal & Miscellaneous														
15	Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
16	Investor Owned Utilities	51.6	51.9	51.0	51.1	51.4	52.5	52.9	52.6	51.2	51.3	51.0	53.2	51.0	50.3
17	Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
18	Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
19	**Total**	**83.0**	**83.3**	**82.4**	**82.5**	**82.8**	**83.9**	**84.3**	**84.0**	**82.6**	**82.7**	**82.4**	**84.6**	**82.4**	**81.7**

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2023

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Thermal & Miscellaneous														
1	Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2	Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3	Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4	Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6	Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7	Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
9	Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10	Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
11	Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12	Spokane MSW	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	15.0
13	Treasure Valley	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
14	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12
	Total Small Thermal & Miscellaneous														
15	Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
16	Investor Owned Utilities	51.6	51.9	51.0	51.1	51.4	52.5	52.9	52.6	51.2	51.3	51.0	53.2	51.0	50.3
17	Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
18	Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
19	**Total**	**83.0**	**83.3**	**82.4**	**82.5**	**82.8**	**83.9**	**84.3**	**84.0**	**82.6**	**82.7**	**82.4**	**84.6**	**82.4**	**81.7**

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Exhibit 11
Table A-15: Non-Federal CER Deliveries to BPA

Monthly Capacity
Operating Year 2014 to 2023
Using 1937-Water Conditions

Table A-15: Non-Federal CER Deliveries to BPA

Operating Year 2014

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - 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	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
2	CHPD to BPA CEAEA for Rocky Reach	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	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 Wanpum	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**	**239**	**239**	**239**	**239**	**239**	**239**	**239**	**239**	**239**	**238**	**238**	**238**	**238**	**238**
Total Imports															
7	Federal Entities	239	239	239	239	239	239	239	239	239	238	238	238	238	238
8	**Total Imports**	**239**	**239**	**239**	**239**	**239**	**239**	**239**	**239**	**239**	**238**	**238**	**238**	**238**	**238**

Table A-15: Non-Federal CER Deliveries to BPA

Operating Year 2015

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - 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	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
2	CHPD to BPA CEAEA for Rocky Reach	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	41.0	41.0	41.0	41.0	41.0
4	GCPD to BPA CEAEA for Priest Rapids	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
5	GCPD to BPA CEAEA for Wanpum	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**	**238**	**238**	**238**	**238**	**238**	**238**	**238**	**238**	**238**	**237**	**237**	**237**	**237**	**237**
Total Imports															
7	Federal Entities	238	238	238	238	238	238	238	238	238	237	237	237	237	237
8	**Total Imports**	**238**	**238**	**238**	**238**	**238**	**238**	**238**	**238**	**238**	**237**	**237**	**237**	**237**	**237**

Table A-15: Non-Federal CER Deliveries to BPA

Operating Year 2016

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - 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	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
2	CHPD to BPA CEAEA for Rocky Reach	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	64.0	64.0	64.0	64.0	64.0
3	DOPD to BPA CEAEA for Wells	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
4	GCPD to BPA CEAEA for Priest Rapids	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 Wanpum	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**	**236**	**236**	**236**	**236**	**236**
	Total Imports														
7	Federal Entities	237	237	237	237	237	237	237	237	237	236	236	236	236	236
8	**Total Imports**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**237**	**236**	**236**	**236**	**236**	**236**

Table A-15: Non-Federal CER Deliveries to BPA

Operating Year 2017

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - 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	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
2	CHPD to BPA CEAEA for Rocky Reach	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
3	DOPD to BPA CEAEA for Wells	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
4	GCPD to BPA CEAEA for Priest Rapids	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	50.0	50.0	50.0	50.0	50.0
5	GCPD to BPA CEAEA for Wanpum	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	48.0	48.0	48.0	48.0	48.0
6	**Total Imports From PNW**	**236**	**236**	**236**	**236**	**236**	**236**	**236**	**236**	**236**	**234**	**234**	**234**	**234**	**234**
Total Imports															
7	Federal Entities	236	236	236	236	236	236	236	236	236	234	234	234	234	234
8	**Total Imports**	**236**	**236**	**236**	**236**	**236**	**236**	**236**	**236**	**236**	**234**	**234**	**234**	**234**	**234**

Table A-15: Non-Federal CER Deliveries to BPA

Operating Year 2018

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - 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	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
2	CHPD to BPA CEAEA for Rocky Reach	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	63.0	63.0	63.0	63.0	63.0
3	DOPD to BPA CEAEA for Wells	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	40.0	40.0	40.0	40.0	40.0
4	GCPD to BPA CEAEA for Priest Rapids	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
5	GCPD to BPA CEAEA for Wanpum	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
6	**Total Imports From PNW**	**234**	**234**	**234**	**234**	**234**	**234**	**234**	**234**	**234**	**232**	**232**	**232**	**232**	**232**
	Total Imports														
7	Federal Entities	234	234	234	234	234	234	234	234	234	232	232	232	232	232
8	**Total Imports**	**234**	**234**	**234**	**234**	**234**	**234**	**234**	**234**	**234**	**232**	**232**	**232**	**232**	**232**

Table A-15: Non-Federal CER Deliveries to BPA

Operating Year 2019

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - 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	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
2	CHPD to BPA CEAEA for Rocky Reach	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
3	DOPD to BPA CEAEA for Wells	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
4	GCPD to BPA CEAEA for Priest Rapids	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.0	49.0	49.0	49.0	49.0
5	GCPD to BPA CEAEA for Wanpum	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	47.0	47.0	47.0	47.0	47.0
6	**Total Imports From PNW**	**232**	**232**	**232**	**232**	**232**	**232**	**232**	**232**	**232**	**230**	**230**	**230**	**230**	**230**
	Total Imports														
7	Federal Entities	232	232	232	232	232	232	232	232	232	230	230	230	230	230
8	**Total Imports**	**232**	**232**	**232**	**232**	**232**	**232**	**232**	**232**	**232**	**230**	**230**	**230**	**230**	**230**

Table A-15: Non-Federal CER Deliveries to BPA

Operating Year 2020

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - 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	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
2	CHPD to BPA CEAEA for Rocky Reach	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
3	DOPD to BPA CEAEA for Wells	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	39.0	39.0	39.0	39.0	39.0
4	GCPD to BPA CEAEA for Priest Rapids	49.0	49.0	49.0	49.0	49.0	49.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
5	GCPD to BPA CEAEA for Wanpum	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
6	**Total Imports From PNW**	**230**	**230**	**230**	**230**	**230**	**230**	**229**	**229**	**229**	**228**	**228**	**228**	**228**	**228**
	Total Imports														
7	Federal Entities	230	230	230	230	230	230	229	229	229	228	228	228	228	228
8	**Total Imports**	**230**	**230**	**230**	**230**	**230**	**230**	**229**	**229**	**229**	**228**	**228**	**228**	**228**	**228**

Table A-15: Non-Federal CER Deliveries to BPA

Operating Year 2021

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - 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	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
2	CHPD to BPA CEAEA for Rocky Reach	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
3	DOPD to BPA CEAEA for Wells	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
4	GCPD to BPA CEAEA for Priest Rapids	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
5	GCPD to BPA CEAEA for Wanpum	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
6	**Total Imports From PNW**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**
	Total Imports														
7	Federal Entities	228	228	228	228	228	228	228	228	228	228	228	228	228	228
8	**Total Imports**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**

Table A-15: Non-Federal CER Deliveries to BPA

Operating Year 2022

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - 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	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
2	CHPD to BPA CEAEA for Rocky Reach	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
3	DOPD to BPA CEAEA for Wells	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
4	GCPD to BPA CEAEA for Priest Rapids	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
5	GCPD to BPA CEAEA for Wanpum	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
6	**Total Imports From PNW**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**
	Total Imports														
7	Federal Entities	228	228	228	228	228	228	228	228	228	228	228	228	228	228
8	**Total Imports**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**

Table A-15: Non-Federal CER Deliveries to BPA

Operating Year 2023

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	Capacity - 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	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
2	CHPD to BPA CEAEA for Rocky Reach	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
3	DOPD to BPA CEAEA for Wells	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
4	GCPD to BPA CEAEA for Priest Rapids	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
5	GCPD to BPA CEAEA for Wanpum	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
6	**Total Imports From PNW**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**
	Total Imports														
7	Federal Entities	228	228	228	228	228	228	228	228	228	228	228	228	228	228
8	**Total Imports**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**	**228**

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Section 2: Monthly 120-Hour Capacity Operating Year 2014 to 2023

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Exhibit 12
Federal Report Surplus Deficit

Monthly 120-Hour Capacity
Operating Year 2014 to 2023
Using 1937-Water Conditions

Federal Report Surplus Deficit

Operating Year: 2014 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
1	**Non-Utility Obligation**	1127	1127	1035	999	663	794	544	813	922	947	947	1052	1098	1168
2	Federal Agencies	141	141	131	154	185	214	213	196	197	169	169	151	155	157
3	USBR Obligation	671	671	589	529	162	264	14.9	301	409	462	462	585	627	696
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	8917	8427	8193	7875	9873	10557	10265	9546	9026	8147	8218	8899	8410	8906
6	Load Following 2012 PSC	4199	4199	4033	4286	4812	5473	5431	5127	4666	4511	4511	4153	4138	4360
7	Slice Block 2012 PSC	1636	1636	1716	1655	2046	2274	2310	2137	1989	1663	1663	1454	1351	1592
8	Slice Right to Power 2012 PSC	2349	1891	1928	1808	2528	2566	2125	1887	2181	1882	1883	3192	2662	2555
9	Exports	1604	1604	1450	1615	1339	1340	1341	1469	1455	1338	1338	1398	1400	1436
10	Intra-Regional Transfers (Out)	234	234	234	9.00	287	283	282	283	145	143	143	9.00	9.00	9.00
11	Federal Diversity	-1105	-1138	-1168	-1498	-1140	-1379	-1224	-1358	-1410	-1390	-1320	-1307	-1150	-1046
12	**Total Firm Obligations**	**10044**	**9554**	**9229**	**8875**	**10536**	**11351**	**10809**	**10359**	**9948**	**9094**	**9165**	**9950**	**9509**	**10074**
	Net Resources														
13	**Net Hydro**	11283	9477	9387	9078	11558	11730	9953	9441	10511	9274	9277	14449	12495	12143
14	Regulated Hydro - Net	10814	9014	8849	8662	11163	11455	9707	9222	10147	8669	8659	13690	11696	11627
15	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
16	**Other Resources**	1146	1146	1147	1152	1154	1157	1159	1158	1158	1157	1157	1154	1148	1151
17	Cogeneration Resources	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
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
20	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Small Hydro Resources	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	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	529	518	769	708	1006	1118	875	869	876	852	852	325	565	355
24	Imports	176	176	72.3	72.3	103	305	73.2	73.2	73.2	56.9	56.9	11.0	1.00	56.0
25	Intra-Regional Transfers (In)	58.0	58.0	412	354	604	512	512	512	512	512	512	0	262	0
26	Non-Federal CER	239	239	239	239	239	239	239	239	239	238	238	238	238	238
27	Slice Transmission Loss Return	56.2	45.2	46.1	43.1	60.4	61.3	50.7	45.0	52.1	44.9	44.9	76.4	63.6	61.1
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-1983	-1871	-1864	-1837	-2044	-2091	-1966	-1919	-1945	-1863	-1863	-2086	-2037	-2037
30	Contingency Reserves (Spinning)	-352	-326	-319	-329	-388	-407	-378	-362	-357	-337	-337	-372	-362	-371
31	Contingency Reserves (Non-Spinning)	-352	-326	-319	-329	-388	-407	-378	-362	-357	-337	-337	-372	-362	-371
32	Load Following Reserves	-486	-486	-486	-478	-478	-478	-478	-478	-478	-478	-478	-478	-492	-492
33	Generation Imbalance Reserves	-411	-411	-411	-385	-385	-385	-385	-385	-385	-385	-385	-385	-400	-400
34	Transmission Losses	-380	-321	-327	-315	-405	-413	-347	-331	-367	-327	-327	-480	-422	-403
35	**Total Net Resources**	**10975**	**9271**	**9440**	**9102**	**11674**	**11914**	**10021**	**9549**	**10599**	**9420**	**9423**	**13842**	**12171**	**11613**
36	**Total Surplus/Deficit**	**931**	**-283**	**212**	**227**	**1138**	**563**	**-788**	**-810**	**651**	**326**	**258**	**3892**	**2663**	**1538**

Federal Report Surplus Deficit

Operating Year: 2015 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
1	**Non-Utility Obligation**	1132	1132	1038	1001	664	796	547	817	925	949	949	1054	1101	1171
2	Federal Agencies	142	142	132	156	187	216	216	199	200	171	171	153	158	159
3	USBR Obligation	673	673	589	529	161	264	14.8	301	409	462	462	585	627	696
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	8775	8187	7718	8015	10117	10715	10627	9765	9237	8370	8344	8625	8103	8918
6	Load Following 2012 PSC	4248	4248	4076	4348	4875	5536	5490	5178	4719	4565	4565	4209	4198	4425
7	Slice Block 2012 PSC	1593	1593	1661	1736	2147	2387	2424	2243	2088	1746	1746	1526	1419	1671
8	Slice Right to Power 2012 PSC	2382	1855	1767	1743	2496	2574	2286	1917	2211	1920	1864	2789	2228	2412
9	Exports	1585	1585	1431	1647	1371	1372	1373	1501	1487	1370	1370	1430	1432	1451
10	Intra-Regional Transfers (Out)	9.00	9.00	9.00	9.00	288	285	283	283	145	143	143	9.00	9.00	9.00
11	Federal Diversity	-1042	-1103	-1225	-1468	-1060	-1440	-1229	-1357	-1414	-1375	-1345	-1339	-1183	-1050
12	**Total Firm Obligations**	**9907**	**9318**	**8756**	**9016**	**10781**	**11511**	**11174**	**10582**	**10162**	**9319**	**9293**	**9679**	**9204**	**10089**
	Net Resources														
13	**Net Hydro**	11464	9380	8912	9022	11650	11940	10767	9733	10806	9601	9368	14139	12032	11731
14	Regulated Hydro - Net	10996	8917	8373	8606	11255	11665	10522	9514	10443	8996	8750	13380	11233	11215
15	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
16	**Other Resources**	1146	1146	1147	1152	1154	1157	1159	1158	1158	1157	1157	23.6	18.3	1151
17	Cogeneration Resources	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
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
20	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Small Hydro Resources	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	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	471	458	614	665	689	918	679	670	677	653	651	366	604	387
24	Imports	176	176	72.3	72.3	78.2	305	73.2	73.2	73.2	56.9	56.9	11.0	1.00	41.0
25	Intra-Regional Transfers (In)	0	0	262	313	313	313	313	313	313	313	313	51.0	313	51.0
26	Non-Federal CER	238	238	238	238	238	238	238	238	238	237	237	237	237	237
27	Slice Transmission Loss Return	56.9	44.2	42.1	41.5	59.7	61.5	54.6	45.7	52.8	45.8	44.4	66.7	53.2	57.6
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-1991	-1862	-1850	-1887	-2095	-2226	-2138	-2058	-2085	-2005	-1981	-2095	-2010	-2114
30	Contingency Reserves (Spinning)	-357	-327	-314	-329	-390	-410	-389	-366	-361	-341	-337	-334	-322	-365
31	Contingency Reserves (Non-Spinning)	-357	-327	-314	-329	-390	-410	-389	-366	-361	-341	-337	-334	-322	-365
32	Load Following Reserves	-492	-492	-505	-507	-507	-533	-533	-533	-533	-533	-533	-533	-533	-533
33	Generation Imbalance Reserves	-400	-400	-411	-412	-412	-464	-464	-464	-464	-464	-454	-464	-464	-464
34	Transmission Losses	-384	-316	-306	-310	-395	-409	-363	-329	-366	-326	-319	-431	-369	-387
35	**Total Net Resources**	**11090**	**9122**	**8824**	**8953**	**11398**	**11790**	**10467**	**9502**	**10555**	**9406**	**9195**	**12433**	**10645**	**11155**
36	**Total Surplus/Deficit**	**1183**	**-196**	**68.2**	**-63.4**	**617**	**279**	**-707**	**-1080**	**394**	**86.6**	**-98.2**	**2754**	**1441**	**1066**

Federal Report Surplus Deficit

Operating Year: 2016 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
1	**Non-Utility Obligation**	1133	1133	1040	1001	667	799	548	811	927	950	950	1055	1102	1172
2	Federal Agencies	144	144	134	158	189	219	217	193	201	172	172	154	159	160
3	USBR Obligation	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	8847	8222	7737	7960	9966	10638	10624	9533	9057	8335	8298	8855	8319	8819
6	Load Following 2012 PSC	4311	4311	4134	4372	4901	5565	5528	5168	4750	4600	4600	4246	4237	4470
7	Slice Block 2012 PSC	1671	1671	1743	1684	2082	2315	2350	2100	2024	1693	1693	1481	1379	1621
8	Slice Right to Power 2012 PSC	2374	1815	1723	1747	2480	2573	2303	1909	2172	1919	1874	3127	2559	2402
9	Exports	1536	1536	1379	1611	1334	1335	1336	1464	1451	1334	1334	1317	1319	1353
10	Intra-Regional Transfers (Out)	9.00	9.00	9.00	9.00	283	282	282	283	144	143	143	9.00	9.00	9.00
11	Federal Diversity	-1054	-1120	-1251	-1463	-1114	-1433	-1176	-1391	-1484	-1354	-1346	-1325	-1183	-1036
12	**Total Firm Obligations**	**9980**	**9355**	**8776**	**8961**	**10632**	**11437**	**11172**	**10344**	**9983**	**9285**	**9248**	**9911**	**9421**	**9991**
	Net Resources														
13	**Net Hydro**	11554	9343	8875	9176	11717	11991	10883	9749	10709	9637	9459	14401	12316	11824
14	Regulated Hydro - Net	11086	8879	8337	8760	11323	11716	10638	9529	10345	9031	8841	13642	11517	11308
15	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
16	**Other Resources**	1146	1146	1147	1152	1154	1157	1159	1158	1158	1135	1135	1135	1134	1133
17	Cogeneration Resources	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	0	0	0	0	0
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
20	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Small Hydro Resources	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	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	506	492	632	633	666	900	662	652	659	652	651	363	611	345
24	Imports	161	161	41.0	41.0	57.1	289	57.1	57.1	57.1	57.1	57.1	1.00	1.00	1.00
25	Intra-Regional Transfers (In)	51.0	51.0	313	313	313	313	313	313	313	313	313	51.0	313	51.0
26	Non-Federal CER	237	237	237	237	237	237	237	237	237	236	236	236	236	236
27	Slice Transmission Loss Return	56.7	43.3	41.1	41.5	59.1	61.4	54.9	45.4	51.7	45.6	44.6	74.7	61.0	57.2
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-2134	-1997	-1984	-2031	-2233	-2291	-2207	-2121	-2148	-2057	-2046	-2301	-2285	-2274
30	Contingency Reserves (Spinning)	-358	-326	-313	-331	-391	-411	-391	-367	-360	-332	-329	-381	-358	-366
31	Contingency Reserves (Non-Spinning)	-358	-326	-313	-331	-391	-411	-391	-367	-360	-332	-329	-381	-358	-366
32	Load Following Reserves	-555	-555	-574	-576	-576	-576	-576	-576	-580	-580	-580	-580	-638	-638
33	Generation Imbalance Reserves	-478	-478	-484	-485	-485	-485	-485	-485	-488	-488	-488	-488	-522	-522
34	Transmission Losses	-384	-311	-301	-310	-392	-408	-364	-327	-360	-325	-319	-471	-408	-382
35	**Total Net Resources**	**11072**	**8984**	**8671**	**8930**	**11304**	**11758**	**10497**	**9438**	**10377**	**9366**	**9198**	**13598**	**11776**	**11028**
36	**Total Surplus/Deficit**	**1092**	**-371**	**-106**	**-31.0**	**672**	**322**	**-675**	**-906**	**394**	**81.0**	**-50.0**	**3687**	**2355**	**1037**

Federal Report Surplus Deficit

Operating Year: 2017 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
1	**Non-Utility Obligation**	1134	1134	1041	1002	668	801	563	832	941	964	964	1068	1116	1185
2	Federal Agencies	146	146	135	160	191	220	232	215	215	186	186	167	173	173
3	USBR Obligation	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	8724	7995	7662	8037	9962	10697	10678	9691	9071	8454	8346	8564	8086	8916
6	Load Following 2012 PSC	4353	4353	4170	4413	4943	5616	5574	5262	4789	4643	4643	4292	4286	4524
7	Slice Block 2012 PSC	1621	1621	1690	1721	2128	2366	2403	2224	2070	1730	1730	1513	1409	1657
8	Slice Right to Power 2012 PSC	2366	1802	1724	1761	2470	2571	2288	1888	2153	1922	1862	2789	2247	2406
9	Exports	1474	1474	1317	1549	1319	1320	1321	1449	1436	1318	1318	1317	1319	1353
10	Intra-Regional Transfers (Out)	9.00	9.00	9.00	9.00	286	284	287	282	144	143	143	9.00	9.00	9.00
11	Federal Diversity	-1101	-1265	-1248	-1416	-1185	-1461	-1195	-1414	-1520	-1303	-1351	-1356	-1183	-1033
12	**Total Firm Obligations**	**9858**	**9129**	**8703**	**9038**	**10631**	**11498**	**11241**	**10523**	**10012**	**9418**	**9310**	**9633**	**9202**	**10101**
	Net Resources														
13	**Net Hydro**	11652	9414	8975	9338	11856	12162	11009	9845	10813	9801	9566	14270	12281	11946
14	Regulated Hydro - Net	11183	8950	8436	8922	11462	11887	10764	9626	10449	9195	8948	13510	11482	11430
15	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
16	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	4.58	4.09	1133
17	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
20	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Small Hydro Resources	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	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	464	451	591	592	609	843	605	595	601	594	592	353	602	343
24	Imports	121	121	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
25	Intra-Regional Transfers (In)	51.0	51.0	313	313	313	313	313	313	313	313	313	51.0	313	51.0
26	Non-Federal CER	236	236	236	236	236	236	236	236	236	234	234	234	234	234
27	Slice Transmission Loss Return	56.4	42.8	40.9	41.8	58.9	61.3	54.5	44.9	51.3	45.7	44.3	66.6	53.5	57.3
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-2260	-2122	-2087	-2137	-2337	-2397	-2311	-2224	-2247	-2161	-2147	-2287	-2271	-2372
30	Contingency Reserves (Spinning)	-360	-327	-314	-333	-393	-414	-393	-369	-362	-335	-331	-346	-325	-368
31	Contingency Reserves (Non-Spinning)	-360	-327	-314	-333	-393	-414	-393	-369	-362	-335	-331	-346	-325	-368
32	Load Following Reserves	-638	-638	-638	-639	-639	-639	-639	-639	-642	-642	-642	-642	-686	-686
33	Generation Imbalance Reserves	-522	-522	-522	-523	-523	-523	-523	-523	-525	-525	-525	-525	-567	-567
34	Transmission Losses	-381	-308	-298	-309	-390	-407	-362	-324	-357	-325	-317	-428	-368	-383
35	**Total Net Resources**	**10990**	**8877**	**8611**	**8927**	**11262**	**11744**	**10438**	**9351**	**10301**	**9368**	**9147**	**12340**	**10616**	**11051**
36	**Total Surplus/Deficit**	**1132**	**-253**	**-91.7**	**-112**	**632**	**246**	**-803**	**-1172**	**289**	**-49.8**	**-164**	**2707**	**1414**	**950**

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
1	**Non-Utility Obligation**	1147	1147	1054	1014	679	813	569	838	946	969	969	1073	1121	1190
2	Federal Agencies	159	159	148	172	202	233	238	220	221	191	191	172	178	178
3	USBR Obligation	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	8829	8056	7733	8007	9943	10768	10645	9709	9123	8481	8378	8935	8443	8944
6	Load Following 2012 PSC	4405	4405	4215	4457	4989	5670	5627	5309	4833	4691	4691	4341	4334	4579
7	Slice Block 2012 PSC	1657	1657	1727	1688	2089	2322	2359	2183	2031	1697	1697	1484	1382	1626
8	Slice Right to Power 2012 PSC	2357	1804	1724	1767	2472	2592	2294	1898	2166	1926	1875	3100	2606	2408
9	Exports	1492	1492	1335	1567	1337	1338	1338	1467	1453	1336	1336	1335	1336	1371
10	Intra-Regional Transfers (Out)	9.00	9.00	9.00	9.00	287	284	283	282	144	143	143	9.00	9.00	9.00
11	Federal Diversity	-1090	-1311	-1277	-1481	-1231	-1438	-1256	-1430	-1505	-1313	-1364	-1333	-1225	-1048
12	**Total Firm Obligations**	**9977**	**9203**	**8787**	**9021**	**10622**	**11581**	**11214**	**10546**	**10069**	**9449**	**9347**	**10009**	**9564**	**10134**
	Net Resources														
13	**Net Hydro**	11740	9544	9095	9436	11943	12322	11105	9958	10932	9909	9706	14542	12678	12026
14	Regulated Hydro - Net	11271	9080	8556	9020	11548	12046	10860	9739	10569	9303	9088	13783	11879	11510
15	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
16	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	1135	1134	1133
17	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
20	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Small Hydro Resources	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	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	462	449	458	459	476	711	471	462	468	461	459	358	477	341
24	Imports	121	121	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
25	Intra-Regional Transfers (In)	51.0	51.0	182	182	182	182	182	182	182	182	182	51.0	182	51.0
26	Non-Federal CER	234	234	234	234	234	234	234	234	234	232	232	232	232	232
27	Slice Transmission Loss Return	56.2	42.9	41.0	41.7	58.7	61.5	54.4	44.9	51.3	45.5	44.3	73.8	61.9	57.1
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-2356	-2220	-2180	-2228	-2428	-2492	-2401	-2315	-2335	-2267	-2254	-2544	-2474	-2458
30	Contingency Reserves (Spinning)	-361	-329	-316	-335	-394	-417	-395	-371	-364	-346	-343	-373	-364	-370
31	Contingency Reserves (Non-Spinning)	-361	-329	-316	-335	-394	-417	-395	-371	-364	-346	-343	-373	-364	-370
32	Load Following Reserves	-686	-686	-686	-687	-687	-687	-687	-687	-687	-687	-687	-719	-721	-721
33	Generation Imbalance Reserves	-567	-567	-567	-567	-567	-567	-567	-567	-567	-567	-567	-612	-614	-614
34	Transmission Losses	-381	-309	-295	-305	-386	-405	-357	-320	-354	-320	-314	-468	-410	-383
35	**Total Net Resources**	**10980**	**8906**	**8506**	**8801**	**11125**	**11675**	**10310**	**9239**	**10200**	**9237**	**9046**	**13491**	**11815**	**11042**
36	**Total Surplus/Deficit**	**1003**	**-296**	**-281**	**-220**	**503**	**94.4**	**-904**	**-1307**	**131**	**-213**	**-301**	**3482**	**2251**	**908**

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
1	**Non-Utility Obligation**	1152	1152	1059	1018	683	817	573	844	950	973	973	1077	1125	1194
2	Federal Agencies	164	164	153	176	206	237	242	226	225	195	195	177	182	182
3	USBR Obligation	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	8849	8059	7825	8010	9839	10663	10506	9599	9147	8408	8257	8675	8256	9012
6	Load Following 2012 PSC	4458	4458	4263	4501	5035	5724	5680	5350	4878	4739	4739	4390	4385	4636
7	Slice Block 2012 PSC	1626	1626	1695	1724	2134	2372	2409	2230	2075	1733	1733	1516	1412	1660
8	Slice Right to Power 2012 PSC	2364	1811	1742	1756	2541	2668	2362	1975	2199	1951	1902	2781	2282	2401
9	Exports	1492	1492	1335	1567	1337	1338	1338	1467	1453	1336	1336	1335	1336	1371
10	Intra-Regional Transfers (Out)	9.00	9.00	9.00	9.00	16.0	16.0	16.0	16.0	9.00	9.00	9.00	9.00	9.00	9.00
11	Federal Diversity	-1100	-1336	-1219	-1547	-1224	-1455	-1300	-1438	-1466	-1360	-1462	-1355	-1167	-1065
12	**Total Firm Obligations**	**10001**	**9211**	**8883**	**9028**	**10522**	**11480**	**11079**	**10443**	**10098**	**9381**	**9230**	**9753**	**9382**	**10206**
	Net Resources														
13	**Net Hydro**	11835	9634	9228	9494	12034	12442	11197	10084	11033	9974	9781	14409	12519	12059
14	Regulated Hydro - Net	11366	9170	8689	9078	11639	12167	10951	9864	10669	9369	9163	13650	11719	11543
15	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
16	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	4.58	4.09	1133
17	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
20	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Small Hydro Resources	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	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	460	447	456	456	475	710	471	462	467	459	458	348	467	339
24	Imports	121	121	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
25	Intra-Regional Transfers (In)	51.0	51.0	182	182	182	182	182	182	182	182	182	51.0	182	51.0
26	Non-Federal CER	232	232	232	232	232	232	232	232	232	230	230	230	230	230
27	Slice Transmission Loss Return	56.1	42.8	41.1	41.4	60.3	63.4	56.0	46.7	52.1	46.1	45.0	66.1	54.1	57.0
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-2454	-2318	-2280	-2323	-2524	-2591	-2498	-2414	-2440	-2370	-2358	-2462	-2385	-2508
30	Contingency Reserves (Spinning)	-363	-331	-318	-336	-396	-419	-397	-373	-365	-348	-345	-340	-330	-372
31	Contingency Reserves (Non-Spinning)	-363	-331	-318	-336	-396	-419	-397	-373	-365	-348	-345	-340	-330	-372
32	Load Following Reserves	-726	-726	-726	-726	-726	-726	-726	-726	-728	-728	-728	-728	-730	-739
33	Generation Imbalance Reserves	-622	-622	-622	-622	-622	-622	-622	-622	-628	-628	-628	-628	-627	-644
34	Transmission Losses	-380	-308	-296	-304	-385	-405	-357	-321	-353	-319	-312	-426	-368	-382
35	**Total Net Resources**	**10975**	**8896**	**8537**	**8762**	**11119**	**11697**	**10304**	**9266**	**10195**	**9198**	**9015**	**12301**	**10605**	**11023**
36	**Total Surplus/Deficit**	**973**	**-314**	**-347**	**-266**	**597**	**217**	**-775**	**-1177**	**97.0**	**-183**	**-215**	**2548**	**1223**	**817**

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
1	**Non-Utility Obligation**	1156	1156	1063	1022	686	821	577	838	953	976	976	1080	1128	1197
2	Federal Agencies	168	168	157	180	209	241	246	220	228	198	198	179	185	185
3	USBR Obligation	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	8943	8099	7893	8019	9873	10682	10522	9465	9164	8422	8226	9026	8529	9045
6	Load Following 2012 PSC	4512	4512	4312	4554	5090	5786	5733	5354	4923	4788	4788	4441	4438	4696
7	Slice Block 2012 PSC	1660	1660	1731	1695	2097	2331	2368	2116	2039	1703	1703	1490	1387	1632
8	Slice Right to Power 2012 PSC	2360	1810	1742	1756	2549	2674	2369	1980	2210	1950	1902	3114	2605	2404
9	Exports	1492	1492	1335	1567	1337	1338	1338	1467	1453	1336	1336	1335	1336	1371
10	Intra-Regional Transfers (Out)	9.00	9.00	9.00	9.00	16.0	16.0	16.0	16.0	9.00	9.00	9.00	9.00	9.00	9.00
11	Federal Diversity	-1090	-1384	-1235	-1561	-1215	-1463	-1302	-1467	-1471	-1365	-1511	-1363	-1247	-1066
12	**Total Firm Obligations**	**10099**	**9255**	**8956**	**9041**	**10559**	**11503**	**11099**	**10303**	**10117**	**9397**	**9202**	**10106**	**9657**	**10242**
	Net Resources														
13	**Net Hydro**	11864	9678	9267	9491	12058	12465	11222	10100	11073	9969	9776	14637	12701	12072
14	Regulated Hydro - Net	11395	9214	8728	9075	11664	12190	10977	9880	10709	9363	9158	13877	11901	11555
15	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
16	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	1135	1134	1133
17	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
20	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Small Hydro Resources	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	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	458	445	323	272	292	527	286	277	282	275	274	303	291	286
24	Imports	121	121	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
25	Intra-Regional Transfers (In)	51.0	51.0	51.0	0	0	0	0	0	0	0	0	0	0	0
26	Non-Federal CER	230	230	230	230	230	230	229	229	229	228	228	228	228	228
27	Slice Transmission Loss Return	56.0	42.8	41.1	41.4	60.5	63.5	56.2	46.8	52.4	46.1	45.0	74.1	61.9	57.0
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-2492	-2357	-2314	-2319	-2523	-2589	-2497	-2411	-2439	-2366	-2354	-2579	-2495	-2510
30	Contingency Reserves (Spinning)	-365	-333	-320	-337	-398	-421	-399	-374	-367	-349	-346	-377	-368	-373
31	Contingency Reserves (Non-Spinning)	-365	-333	-320	-337	-398	-421	-399	-374	-367	-349	-346	-377	-368	-373
32	Load Following Reserves	-739	-739	-739	-726	-726	-726	-726	-726	-728	-728	-728	-728	-730	-739
33	Generation Imbalance Reserves	-644	-644	-644	-622	-622	-622	-622	-622	-628	-628	-628	-628	-627	-644
34	Transmission Losses	-380	-308	-291	-297	-380	-400	-352	-315	-348	-312	-306	-468	-403	-381
35	**Total Net Resources**	**10963**	**8899**	**8409**	**8578**	**10962**	**11537**	**10146**	**9101**	**10051**	**9013**	**8830**	**13496**	**11631**	**10981**
36	**Total Surplus/Deficit**	**864**	**-356**	**-547**	**-463**	**402**	**33.6**	**-953**	**-1202**	**-66.2**	**-385**	**-372**	**3390**	**1974**	**739**

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
1	**Non-Utility Obligation**	1159	1159	1065	1025	689	824	579	847	956	977	977	1082	1130	1199
2	Federal Agencies	170	170	160	182	211	244	248	230	230	200	200	181	187	187
3	USBR Obligation	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	9056	8197	7803	8046	9940	10620	10684	9660	9130	8478	8231	8830	8227	9050
6	Load Following 2012 PSC	4569	4569	4364	4599	5137	5838	5791	5465	4976	4844	4844	4500	4500	4764
7	Slice Block 2012 PSC	1632	1632	1702	1685	2085	2318	2355	2179	2028	1694	1694	1481	1379	1623
8	Slice Right to Power 2012 PSC	2364	1823	1731	1757	2554	2659	2396	1977	2202	1953	1902	2829	2298	2397
9	Exports	1492	1492	1335	1567	1337	1338	1338	1467	1453	1336	1336	1335	1336	1371
10	Intra-Regional Transfers (Out)	9.00	9.00	9.00	9.00	16.0	16.0	16.0	16.0	9.00	9.00	9.00	9.00	9.00	9.00
11	Federal Diversity	-1010	-1328	-1337	-1571	-1189	-1548	-1212	-1445	-1538	-1357	-1554	-1324	-1295	-1112
12	**Total Firm Obligations**	**10214**	**9355**	**8868**	**9071**	**10628**	**11444**	**11263**	**10507**	**10085**	**9455**	**9208**	**9912**	**9357**	**10249**
	Net Resources														
13	**Net Hydro**	11878	9730	9224	9508	12091	12396	11316	10080	11029	9966	9767	14592	12568	12029
14	Regulated Hydro - Net	11409	9266	8685	9092	11696	12121	11070	9861	10666	9361	9149	13833	11768	11513
15	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
16	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	4.58	4.09	1133
17	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
20	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Small Hydro Resources	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	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	405	392	270	270	290	524	286	276	281	275	274	296	283	286
24	Imports	121	121	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
25	Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Non-Federal CER	228	228	228	228	228	228	228	228	228	228	228	228	228	228
27	Slice Transmission Loss Return	56.1	43.1	40.8	41.5	60.6	63.2	56.8	46.8	52.2	46.2	45.0	67.3	54.5	56.9
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-2495	-2362	-2313	-2323	-2528	-2569	-2485	-2393	-2418	-2348	-2336	-2458	-2368	-2490
30	Contingency Reserves (Spinning)	-367	-335	-321	-339	-400	-412	-391	-365	-357	-340	-337	-336	-324	-364
31	Contingency Reserves (Non-Spinning)	-367	-335	-321	-339	-400	-412	-391	-365	-357	-340	-337	-336	-324	-364
32	Load Following Reserves	-739	-739	-739	-726	-726	-726	-726	-726	-728	-728	-728	-728	-730	-739
33	Generation Imbalance Reserves	-644	-644	-644	-622	-622	-622	-622	-622	-628	-628	-628	-628	-627	-644
34	Transmission Losses	-379	-308	-288	-298	-381	-398	-355	-315	-348	-313	-306	-431	-364	-380
35	**Total Net Resources**	**10922**	**8894**	**8314**	**8590**	**10987**	**11486**	**10251**	**9097**	**10027**	**9028**	**8839**	**12435**	**10488**	**10958**
36	**Total Surplus/Deficit**	**708**	**-462**	**-554**	**-481**	**359**	**41.5**	**-1012**	**-1410**	**-58.3**	**-428**	**-369**	**2523**	**1130**	**709**

Federal Report Surplus Deficit

Operating Year: 2022 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
1	**Non-Utility Obligation**	1160	1160	1067	1027	690	826	581	849	957	979	979	1083	1131	1200
2	Federal Agencies	172	172	161	184	213	246	250	232	232	201	201	182	188	188
3	USBR Obligation	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	9088	8229	7853	8176	9954	10754	10681	9683	9160	8500	8232	9130	8557	9130
6	Load Following 2012 PSC	4635	4635	4425	4669	5208	5915	5842	5510	5019	4888	4888	4542	4541	4808
7	Slice Block 2012 PSC	1623	1623	1692	1686	2087	2320	2356	2181	2029	1695	1695	1482	1380	1624
8	Slice Right to Power 2012 PSC	2359	1821	1730	1751	2543	2667	2362	1973	2205	1947	1898	3112	2602	2400
9	Exports	1492	1492	1335	1567	1337	1338	1338	1467	1453	1336	1336	1335	1336	1371
10	Intra-Regional Transfers (Out)	9.00	9.00	9.00	9.00	16.0	16.0	16.0	16.0	9.00	9.00	9.00	9.00	9.00	9.00
11	Federal Diversity	-1030	-1350	-1339	-1506	-1237	-1502	-1234	-1463	-1555	-1374	-1593	-1349	-1311	-1082
12	**Total Firm Obligations**	**10249**	**9390**	**8920**	**9202**	**10644**	**11580**	**11262**	**10532**	**10118**	**9479**	**9211**	**10214**	**9688**	**10330**
	Net Resources														
13	**Net Hydro**	11850	9709	9211	9461	12026	12429	11184	10064	11042	9943	9749	14636	12675	12043
14	Regulated Hydro - Net	11382	9245	8672	9059	11648	12175	10961	9866	10693	9347	9141	13883	11885	11539
15	Independent Hydro - Net	469	464	539	403	378	254	223	199	349	596	608	753	789	504
16	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	1135	1134	1133
17	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
20	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Small Hydro Resources	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	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	405	392	270	270	289	524	285	276	281	275	274	303	291	286
24	Imports	121	121	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
25	Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Non-Federal CER	228	228	228	228	228	228	228	228	228	228	228	228	228	228
27	Slice Transmission Loss Return	56.0	43.0	40.8	41.3	60.4	63.4	56.0	46.7	52.3	46.0	44.9	74.0	61.8	56.9
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-2476	-2343	-2294	-2303	-2506	-2573	-2480	-2395	-2422	-2349	-2337	-2584	-2478	-2494
30	Contingency Reserves (Spinning)	-357	-326	-311	-329	-390	-413	-391	-366	-359	-341	-338	-380	-360	-365
31	Contingency Reserves (Non-Spinning)	-357	-326	-311	-329	-390	-413	-391	-366	-359	-341	-338	-380	-360	-365
32	Load Following Reserves	-739	-739	-739	-726	-726	-726	-726	-726	-728	-728	-728	-728	-730	-739
33	Generation Imbalance Reserves	-644	-644	-644	-622	-622	-622	-622	-622	-628	-628	-628	-628	-627	-644
34	Transmission Losses	-378	-308	-288	-297	-379	-399	-351	-315	-348	-312	-306	-468	-403	-380
35	**Total Net Resources**	**10913**	**8891**	**8319**	**8563**	**10944**	**11514**	**10124**	**9079**	**10036**	**9003**	**8821**	**13489**	**11621**	**10968**
36	**Total Surplus/Deficit**	**664**	**-498**	**-601**	**-639**	**300**	**-66.0**	**-1138**	**-1453**	**-81.5**	**-476**	**-391**	**3276**	**1933**	**639**

Federal Report Surplus Deficit

Operating Year: 2023 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
1	**Non-Utility Obligation**	1161	1161	1068	1028	692	828	582	852	953	980	980	1085	1133	1201
2	Federal Agencies	173	173	162	186	214	248	252	235	228	202	202	184	190	190
3	USBR Obligation	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	9021	8145	7873	8207	9995	10764	10740	9695	9180	8608	8303	8793	8269	9145
6	Load Following 2012 PSC	4678	4678	4466	4714	5257	5972	5885	5543	5056	4925	4925	4578	4578	4848
7	Slice Block 2012 PSC	1624	1624	1693	1686	2087	2320	2356	2181	2029	1695	1695	1482	1380	1624
8	Slice Right to Power 2012 PSC	2359	1819	1726	1753	2549	2653	2389	1971	2198	1949	1899	2827	2295	2393
9	Exports	1492	1492	1335	1567	1337	1338	1338	1467	1453	1336	1336	1335	1336	1371
10	Intra-Regional Transfers (Out)	9.00	9.00	9.00	9.00	16.0	16.0	16.0	16.0	9.00	9.00	9.00	9.00	9.00	9.00
11	Federal Diversity	-1141	-1477	-1356	-1522	-1250	-1534	-1245	-1482	-1565	-1307	-1561	-1438	-1329	-1099
12	**Total Firm Obligations**	**10183**	**9306**	**8941**	**9235**	**10687**	**11592**	**11323**	**10548**	**10133**	**9588**	**9283**	**9878**	**9402**	**10346**
	Net Resources														
13	**Net Hydro**	11853	9705	9197	9478	12058	12380	11299	10064	11020	9941	9741	14610	12562	12022
14	Regulated Hydro - Net	11394	9251	8668	9076	11680	12125	11076	9865	10670	9345	9133	13858	11773	11518
15	Independent Hydro - Net	459	454	528	403	378	254	223	199	349	596	608	753	789	504
16	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	4.58	4.09	1133
17	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
20	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Small Hydro Resources	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	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	405	392	270	270	290	524	286	276	281	275	274	296	283	286
24	Imports	121	121	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
25	Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Non-Federal CER	228	228	228	228	228	228	228	228	228	228	228	228	228	228
27	Slice Transmission Loss Return	56.0	43.0	40.7	41.4	60.5	63.0	56.7	46.6	52.1	46.1	44.9	67.2	54.4	56.8
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-2479	-2346	-2296	-2306	-2511	-2573	-2490	-2397	-2422	-2333	-2320	-2483	-2372	-2495
30	Contingency Reserves (Spinning)	-359	-327	-313	-330	-391	-414	-394	-367	-360	-332	-329	-348	-326	-366
31	Contingency Reserves (Non-Spinning)	-359	-327	-313	-330	-391	-414	-394	-367	-360	-332	-329	-348	-326	-366
32	Load Following Reserves	-739	-739	-739	-726	-726	-726	-726	-726	-728	-728	-728	-728	-730	-739
33	Generation Imbalance Reserves	-644	-644	-644	-622	-622	-622	-622	-622	-628	-628	-628	-628	-627	-644
34	Transmission Losses	-378	-308	-288	-297	-380	-397	-355	-315	-347	-313	-306	-431	-363	-379
35	**Total Net Resources**	**10912**	**8884**	**8303**	**8577**	**10971**	**11465**	**10230**	**9077**	**10013**	**9018**	**8830**	**12428**	**10478**	**10946**
36	**Total Surplus/Deficit**	**730**	**-422**	**-637**	**-658**	**284**	**-127**	**-1093**	**-1470**	**-120**	**-570**	**-453**	**2550**	**1076**	**600**

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Exhibit 13
Regional Report Surplus Deficit

Monthly 120-Hour Capacity
Operating Year 2014 to 2023
Using 1937-Water Conditions

Loads and Resources - Pacific Northwest Region

Operating Year: 2014 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20130606-150434

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	29140	29140	26271	27116	30166	33313	33182	31497	28856	27339	27339	25709	28488	30521
2	Federal Agency	152	152	142	166	193	222	221	204	205	181	181	163	167	169
3	USBR	671	671	589	529	162	264	14.9	301	409	462	462	585	627	696
4	Cooperative	2595	2595	2428	2486	2720	3156	3119	2923	2667	2640	2640	2570	2619	2763
5	Municipality	3375	3375	3248	3743	4302	4603	4591	4421	3978	3781	3781	3282	3343	3527
6	Public Utility District	5469	5469	5210	5825	6782	7528	7336	6946	6211	5972	5972	5415	5406	5689
7	Investor-Owned Utility	15975	15975	13771	13485	15120	16643	16995	15810	14499	13429	13429	12819	15433	16766
8	Marketer	440	440	420	419	424	435	443	430	424	412	412	413	431	449
9	Direct-Service Industry	463	463	463	463	463	463	463	463	463	463	463	463	463	463
10	**Exports**	2398	2398	2243	2077	1714	1713	1713	1842	1831	1713	1721	1688	2193	2229
11	Canada	1463	1463	1311	1543	1311	1311	1311	1440	1427	1311	1311	1311	1311	1345
12	East Continental Divide	19.8	19.8	17.3	17.1	19.1	20.1	20.9	20.1	19.5	18.3	18.3	17.0	18.8	20.5
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	915	915	915	517	384	381	381	381	384	384	392	360	864	864
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-1105	-1138	-1168	-1498	-1140	-1379	-1224	-1358	-1410	-1390	-1320	-1307	-1150	-1046
17		-1105	-1138	-1168	-1498	-1140	-1379	-1224	-1358	-1410	-1390	-1320	-1307	-1150	-1046
18	**Total Firm Loads**	**30433**	**30400**	**27347**	**27696**	**30740**	**33646**	**33672**	**31981**	**29276**	**27662**	**27740**	**26090**	**29532**	**31704**
	Non-Firm Loads														
1	**Regional Non-Firm Loads**	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
2	Federal Agency	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	USBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Cooperative	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
7	Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Direct-Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
	Resources														
1	**Hydro**	21484	19961	19708	19236	21915	22147	20631	19624	20675	19355	19323	25122	23825	23144
2	Regulated Hydro - Net	19976	18454	18129	17725	20450	20756	19295	18379	19171	17566	17518	23132	21787	21517
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16396	16395	16409	16490	16577	16645	16649	16610	15924	16014	15013	13068	15786	16467
5	Cogeneration Resources	2941	2941	2964	3045	3063	3077	3080	3074	2406	3046	2566	2711	2932	2944
6	Combustion Turbine Resources	5602	5602	5665	5748	5876	5940	5949	5904	5853	5707	5707	4623	5075	5599
7	Large Thermal Resources	7244	7244	7244	7244	7244	7244	7244	7244	7244	6726	6196	5062	7090	7244
8	Renewable Resources	126	126	126	126	126	127	126	127	125	125	125	125	125	126
9	Small Hydro	401	399	327	244	185	173	166	177	212	326	336	461	480	473
10	Small Thermal & Miscellaneous	84.1	84.4	83.5	83.6	83.9	85.0	85.4	85.1	83.7	83.8	83.5	85.7	83.5	82.8
11	**Imports**	1414	1414	1186	1136	1566	1950	1689	1718	1295	1094	1094	1078	1319	1460
12	Canada	266	266	146	147	102	356	155	188	213	147	147	147	146	146
13	East of Continental Divide	391	391	371	370	413	474	468	466	417	360	360	363	395	408
14	Inland Southwest	701	701	598	547	549	627	573	571	546	519	519	559	778	851
15	Pacific Southwest	55.0	55.0	71.3	71.3	502	493	493	493	118	67.9	67.9	10.00	0	55.0

Loads and Resources - Pacific Northwest Region

Operating Year: 2014 Water Year: 1937

2012 White Book Report Date: **10/19/2012** *Continued*

S104-WB-20130606-150434

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-3921	-3827	-3721	-3691	-3974	-4095	-3991	-3881	-3816	-3692	-3642	-3821	-4006	-4065
18	Contingency Reserves (Non-Spinning)	-898	-876	-830	-839	-930	-981	-958	-918	-886	-846	-839	-865	-917	-945
19	Contingency Reserves (Spinning)	-898	-876	-830	-839	-930	-981	-958	-918	-886	-846	-839	-865	-917	-945
20	Generation Imbalance Reserves	-411	-411	-411	-385	-385	-385	-385	-385	-385	-385	-385	-385	-400	-400
21	Load Following Reserves	-486	-486	-486	-478	-478	-478	-478	-478	-478	-478	-478	-478	-492	-492
22	Transmission Losses	-1226	-1177	-1164	-1150	-1251	-1270	-1212	-1181	-1181	-1136	-1102	-1229	-1280	-1283
23	**Total Resources**	**35373**	**33943**	**33581**	**33171**	**36084**	**36647**	**34978**	**34071**	**34077**	**32771**	**31788**	**35448**	**36923**	**37006**
24	**Total Surplus/Deficit**	**4940**	**3543**	**6221**	**5475**	**5343**	**3000**	**1303**	**2067**	**4747**	**5076**	**4014**	**9358**	**7391**	**5302**

Loads and Resources - Pacific Northwest Region

Operating Year: 2015 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20130606-150434

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	30030	30030	26935	27720	30789	33978	33859	32118	29399	27848	27848	26217	29094	31188
2	Federal Agency	154	154	144	168	195	224	224	208	208	183	183	165	170	171
3	USBR	673	673	589	529	161	264	14.8	301	409	462	462	585	627	696
4	Cooperative	2655	2655	2483	2535	2768	3204	3165	2962	2709	2685	2685	2617	2669	2818
5	Municipality	3506	3506	3320	3774	4335	4637	4622	4451	4007	3810	3810	3310	3372	3557
6	Public Utility District	5629	5629	5306	5885	6848	7590	7396	7004	6271	6030	6030	5473	5474	5764
7	Investor-Owned Utility	16509	16509	14207	13901	15549	17116	17484	16253	14861	13758	13758	13143	15840	17224
8	Marketer	442	442	422	420	425	436	445	432	426	413	413	415	434	451
9	Direct-Service Industry	463	463	463	508	508	508	508	508	508	508	508	508	508	508
10	**Exports**	2378	2378	2224	2109	1746	1745	1595	1724	1713	1595	1603	1570	2075	2094
11	Canada	1495	1495	1343	1575	1343	1343	1343	1472	1459	1343	1343	1343	1343	1376
12	East Continental Divide	19.8	19.8	17.3	17.1	19.1	20.1	20.9	20.1	19.5	18.3	18.3	17.0	18.8	20.5
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	864	864	864	517	384	381	231	231	234	234	242	210	714	698
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-1042	-1103	-1225	-1468	-1060	-1440	-1229	-1357	-1414	-1375	-1345	-1339	-1183	-1050
17		-1042	-1103	-1225	-1468	-1060	-1440	-1229	-1357	-1414	-1375	-1345	-1339	-1183	-1050
18	**Total Firm Loads**	**31367**	**31305**	**27933**	**28361**	**31475**	**34282**	**34225**	**32485**	**29698**	**28068**	**28106**	**26447**	**29986**	**32232**
	Non-Firm Loads														
1	**Regional Non-Firm Loads**	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
2	Federal Agency	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	USBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Cooperative	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
7	Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Direct-Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
	Resources														
1	**Hydro**	21702	19907	19174	18804	21978	22299	21375	19937	20950	19534	19273	24765	23353	22727
2	Regulated Hydro - Net	20193	18400	17595	17294	20514	20907	20040	18693	19446	17745	17469	22775	21315	21100
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16397	16396	16382	16526	16578	16648	16650	16610	15924	16532	16062	12622	14600	16467
5	Cogeneration Resources	2941	2941	2964	3045	3063	3077	3080	3074	2406	3046	2566	2711	2932	2944
6	Combustion Turbine Resources	5602	5602	5637	5784	5876	5942	5949	5904	5853	5707	5707	4623	5066	5599
7	Large Thermal Resources	7244	7244	7244	7244	7244	7244	7244	7244	7244	7244	7244	4616	5960	7244
8	Renewable Resources	126	127	127	127	127	127	127	127	126	126	126	126	79.0	126
9	Small Hydro	401	399	327	244	185	173	166	177	212	326	336	461	480	473
10	Small Thermal & Miscellaneous	84.1	84.4	83.5	83.6	83.9	85.0	85.4	85.1	83.7	83.8	83.5	85.7	83.5	82.8
11	**Imports**	1434	1434	1202	1148	1550	1960	1698	1727	1304	1102	1102	1088	1335	1462
12	Canada	266	266	146	147	102	356	155	188	213	147	147	147	146	146
13	East of Continental Divide	393	393	372	372	415	476	470	468	420	362	362	365	398	411
14	Inland Southwest	720	720	612	557	556	635	580	578	553	525	525	566	791	865
15	Pacific Southwest	55.0	55.0	71.3	71.3	477	493	493	493	118	67.9	67.9	10.00	0	40.0

Loads and Resources - Pacific Northwest Region

Operating Year: 2015 Water Year: 1937

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-3955	-3844	-3723	-3737	-4048	-4250	-4182	-4044	-3975	-3860	-3806	-3861	-3989	-4157
18	Contingency Reserves (Non-Spinning)	-915	-889	-831	-841	-939	-991	-977	-930	-896	-854	-844	-832	-884	-948
19	Contingency Reserves (Spinning)	-915	-889	-831	-841	-939	-991	-977	-930	-896	-854	-844	-832	-884	-948
20	Generation Imbalance Reserves	-400	-400	-411	-412	-412	-464	-464	-464	-464	-464	-454	-464	-464	-464
21	Load Following Reserves	-492	-492	-505	-507	-507	-533	-533	-533	-533	-533	-533	-533	-533	-533
22	Transmission Losses	-1233	-1175	-1145	-1135	-1250	-1271	-1232	-1186	-1186	-1155	-1131	-1200	-1224	-1265
23	**Total Resources**	**35578**	**33893**	**33034**	**32742**	**36058**	**36656**	**35541**	**34231**	**34203**	**33308**	**32632**	**34615**	**35300**	**36500**
24	**Total Surplus/Deficit**	**4211**	**2588**	**5086**	**4380**	**4583**	**2374**	**1312**	**1723**	**4451**	**5206**	**4491**	**8168**	**5314**	**4268**

Loads and Resources - Pacific Northwest Region

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	30651	30651	27464	28204	31300	34518	34419	32574	29892	28316	28316	26687	29636	31771
2	Federal Agency	156	156	146	170	197	227	225	201	209	184	184	166	171	172
3	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	Cooperative	2707	2707	2532	2580	2812	3248	3224	3003	2762	2742	2742	2678	2731	2885
5	Municipality	3536	3536	3349	3802	4366	4669	4649	4455	4033	3836	3836	3336	3400	3584
6	Public Utility District	5703	5703	5372	5952	6917	7659	7465	7044	6329	6087	6087	5537	5520	5823
7	Investor-Owned Utility	16925	16925	14544	14200	15866	17460	17842	16584	15170	14038	14038	13417	16199	17604
8	Marketer	444	444	424	421	427	438	446	433	427	414	414	416	436	454
9	Direct-Service Industry	508	508	508	553	553	553	553	553	553	553	553	553	553	553
10	**Exports**	2179	2179	2022	1923	1560	1558	1559	1687	1676	1559	1567	1406	1912	1946
11	Canada	1461	1461	1307	1539	1307	1307	1307	1436	1423	1307	1307	1307	1307	1339
12	East Continental Divide	19.8	19.8	17.3	17.1	19.1	20.1	20.9	20.1	19.5	18.3	18.3	17.0	18.8	20.5
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	698	698	698	367	234	231	231	231	234	234	242	82.6	586	586
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-1054	-1120	-1251	-1463	-1114	-1433	-1176	-1391	-1484	-1354	-1346	-1325	-1183	-1036
17		-1054	-1120	-1251	-1463	-1114	-1433	-1176	-1391	-1484	-1354	-1346	-1325	-1183	-1036
18	**Total Firm Loads**	**31776**	**31710**	**28235**	**28664**	**31745**	**34643**	**34803**	**32870**	**30085**	**28521**	**28536**	**26769**	**30365**	**32681**
	Non-Firm Loads														
1	**Regional Non-Firm Loads**	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
2	Federal Agency	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	USBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Cooperative	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
7	Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Direct-Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
	Resources														
1	**Hydro**	21807	19884	19214	18958	22046	22350	21492	19953	20853	19569	19364	25027	23637	22820
2	Regulated Hydro - Net	20299	18376	17635	17447	20581	20958	20156	18708	19349	17781	17559	23037	21599	21193
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16397	16396	16409	16490	16578	16648	16650	16610	15924	14565	14037	14325	15888	16467
5	Cogeneration Resources	2941	2941	2964	3045	3063	3077	3080	3074	2406	2574	2566	2711	2932	2944
6	Combustion Turbine Resources	5602	5602	5665	5748	5876	5942	5949	5904	5853	5622	5622	4573	5071	5599
7	Large Thermal Resources	7244	7244	7244	7244	7244	7244	7244	7244	7244	5834	5304	6416	7244	7244
8	Renewable Resources	126	127	127	127	127	127	127	127	126	126	126	79.0	79.0	126
9	Small Hydro	401	399	327	244	185	173	166	177	212	326	336	461	480	473
10	Small Thermal & Miscellaneous	84.1	84.4	83.5	83.6	83.9	85.0	85.4	85.1	83.7	83.8	83.5	85.7	83.5	82.8
11	**Imports**	1433	1433	1180	1123	1461	1875	1614	1642	1295	1110	1110	1084	1348	1436
12	Canada	266	266	146	147	102	356	155	188	213	147	147	147	146	146
13	East of Continental Divide	396	396	375	375	417	479	473	469	422	365	365	367	401	415
14	Inland Southwest	731	731	619	561	560	639	584	583	558	530	530	570	800	875
15	Pacific Southwest	40.0	40.0	40.0	40.0	381	402	402	402	102	68.1	68.1	0	0	0

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-4112	-3993	-3875	-3890	-4196	-4325	-4262	-4115	-4049	-3842	-3812	-4093	-4282	-4332
18	Contingency Reserves (Non-Spinning)	-923	-895	-838	-848	-946	-999	-986	-937	-901	-843	-840	-883	-927	-955
19	Contingency Reserves (Spinning)	-923	-895	-838	-848	-946	-999	-986	-937	-901	-843	-840	-883	-927	-955
20	Generation Imbalance Reserves	-478	-478	-484	-485	-485	-485	-485	-485	-488	-488	-488	-488	-522	-522
21	Load Following Reserves	-555	-555	-574	-576	-576	-576	-576	-576	-580	-580	-580	-580	-638	-638
22	Transmission Losses	-1231	-1169	-1141	-1133	-1244	-1267	-1230	-1182	-1179	-1088	-1064	-1260	-1268	-1261
23	**Total Resources**	**35525**	**33720**	**32928**	**32681**	**35888**	**36548**	**35494**	**34090**	**34023**	**31403**	**30699**	**36344**	**36590**	**36392**
24	**Total Surplus/Deficit**	**3749**	**2010**	**4679**	**4018**	**4142**	**1905**	**687**	**1197**	**3884**	**2848**	**2128**	**9575**	**6226**	**3710**

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	31226	31226	27929	28613	31725	35000	34914	33082	30305	28720	28720	27094	30133	32316
2	Federal Agency	157	157	147	171	199	229	240	223	223	198	198	179	185	185
3	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	Cooperative	2771	2771	2590	2634	2867	3310	3283	3080	2815	2800	2800	2739	2794	2953
5	Municipality	3564	3564	3375	3831	4399	4702	4680	4508	4061	3865	3865	3365	3430	3615
6	Public Utility District	5760	5760	5414	6006	6957	7717	7520	7107	6376	6141	6141	5590	5578	5886
7	Investor-Owned Utility	17301	17301	14835	14469	16161	17786	18176	16875	15439	14286	14286	13666	16528	17973
8	Marketer	447	447	426	423	428	440	448	435	429	416	416	418	438	456
9	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553
10	**Exports**	2068	2068	1911	1811	1545	1543	1544	1672	1661	1544	1552	1406	1912	1946
11	Canada	1461	1461	1307	1539	1307	1307	1307	1436	1423	1307	1307	1307	1307	1339
12	East Continental Divide	19.8	19.8	17.3	17.1	19.1	20.1	20.9	20.1	19.5	18.3	18.3	17.0	18.8	20.5
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	586	586	586	255	219	216	216	216	219	219	226	82.6	586	586
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-1101	-1265	-1248	-1416	-1185	-1461	-1195	-1414	-1520	-1303	-1351	-1356	-1183	-1033
17		-1101	-1265	-1248	-1416	-1185	-1461	-1195	-1414	-1520	-1303	-1351	-1356	-1183	-1033
18	**Total Firm Loads**	**32193**	**32029**	**28592**	**29008**	**32085**	**35083**	**35263**	**33340**	**30446**	**28961**	**28921**	**27145**	**30862**	**33230**
	Non-Firm Loads														
1	**Regional Non-Firm Loads**	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
2	Federal Agency	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	USBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Cooperative	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
7	Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Direct-Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
	Resources														
1	**Hydro**	21904	19955	19313	19120	22185	22521	21618	20049	20957	19733	19472	24896	23602	22943
2	Regulated Hydro - Net	20396	18448	17734	17609	20721	21130	20282	18805	19453	17944	17667	22906	21564	21315
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16397	16396	16405	16465	16576	16644	16649	16609	15923	15343	14873	13138	14655	16466
5	Cogeneration Resources	2941	2941	2964	3045	3063	3077	3080	3074	2406	3046	2566	2711	2932	2944
6	Combustion Turbine Resources	5602	5602	5661	5722	5874	5938	5949	5904	5853	5707	5707	4623	5075	5599
7	Large Thermal Resources	7244	7244	7244	7244	7244	7244	7244	7244	7244	6056	6056	5132	5960	7244
8	Renewable Resources	126	127	127	127	127	127	127	127	126	126	126	126	126	126
9	Small Hydro	401	399	327	244	185	173	166	177	212	326	336	461	480	473
10	Small Thermal & Miscellaneous	84.1	84.4	83.5	83.6	83.9	85.0	84.3	84.0	82.6	82.7	82.4	84.6	82.4	81.7
11	**Imports**	1405	1405	1148	1089	1409	1825	1563	1593	1245	1059	1059	1090	1358	1448
12	Canada	266	266	146	147	102	356	155	188	213	147	147	147	146	146
13	East of Continental Divide	399	399	378	377	420	481	475	473	424	367	367	369	404	418
14	Inland Southwest	739	739	624	565	563	643	587	586	562	533	533	574	808	884
15	Pacific Southwest	0	0	0	0	325	346	346	346	46.0	12.0	12.0	0	0	0

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-4252	-4132	-3989	-4004	-4311	-4442	-4377	-4229	-4158	-3997	-3952	-4089	-4277	-4441
18	Contingency Reserves (Non-Spinning)	-931	-903	-845	-855	-953	-1007	-993	-944	-907	-858	-847	-854	-900	-963
19	Contingency Reserves (Spinning)	-931	-903	-845	-855	-953	-1007	-993	-944	-907	-858	-847	-854	-900	-963
20	Generation Imbalance Reserves	-522	-522	-522	-523	-523	-523	-523	-523	-525	-525	-525	-525	-567	-567
21	Load Following Reserves	-638	-638	-638	-639	-639	-639	-639	-639	-642	-642	-642	-642	-686	-686
22	Transmission Losses	-1229	-1165	-1140	-1132	-1243	-1267	-1229	-1179	-1177	-1114	-1090	-1214	-1225	-1262
23	**Total Resources**	**35454**	**33624**	**32877**	**32670**	**35860**	**36547**	**35452**	**34022**	**33967**	**32138**	**31451**	**35035**	**35338**	**36416**
24	**Total Surplus/Deficit**	**3261**	**1595**	**4271**	**3662**	**3775**	**1465**	**185**	**659**	**3467**	**3143**	**2496**	**7890**	**4476**	**3186**

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	31758	31758	28367	28997	32128	35441	35359	33492	30681	29094	29094	27470	30578	32801
2	Federal Agency	171	171	160	183	210	241	246	228	229	203	203	184	190	190
3	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	Cooperative	2837	2837	2650	2689	2921	3372	3345	3137	2870	2859	2859	2799	2854	3019
5	Municipality	3595	3595	3405	3856	4427	4730	4707	4536	4087	3891	3891	3390	3456	3642
6	Public Utility District	5823	5823	5472	6071	7018	7785	7586	7170	6434	6206	6206	5654	5641	5952
7	Investor-Owned Utility	17660	17660	15112	14694	16408	18056	18457	17131	15669	14504	14504	13886	16816	18292
8	Marketer	448	448	427	424	430	441	450	436	430	417	417	419	440	458
9	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553
10	**Exports**	2065	2065	1908	1809	1542	1543	1544	1672	1659	1541	1549	1404	1850	1884
11	Canada	1479	1479	1324	1556	1324	1324	1324	1453	1440	1324	1324	1324	1324	1357
12	East Continental Divide	19.8	19.8	17.3	17.1	19.1	20.1	20.9	20.1	19.5	18.3	18.3	17.0	18.8	20.5
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	567	567	567	236	199	199	199	199	199	199	207	62.8	507	507
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-1090	-1311	-1277	-1481	-1231	-1438	-1256	-1430	-1505	-1313	-1364	-1333	-1225	-1048
17		-1090	-1311	-1277	-1481	-1231	-1438	-1256	-1430	-1505	-1313	-1364	-1333	-1225	-1048
18	**Total Firm Loads**	**32734**	**32513**	**28998**	**29325**	**32440**	**35547**	**35647**	**33734**	**30835**	**29323**	**29279**	**27541**	**31202**	**33637**
	Non-Firm Loads														
1	**Regional Non-Firm Loads**	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
2	Federal Agency	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	USBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Cooperative	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
7	Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Direct-Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
	Resources														
1	**Hydro**	21992	20085	19433	19219	22271	22680	21714	20162	21076	19841	19611	25169	23999	23022
2	Regulated Hydro - Net	20484	18577	17854	17708	20807	21289	20378	18918	19572	18052	17806	23179	21961	21395
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16396	16395	16404	16488	16575	16643	16649	16609	15923	16531	16061	13221	15738	16466
5	Cogeneration Resources	2941	2941	2964	3045	3063	3077	3080	3074	2406	3046	2566	2711	2932	2944
6	Combustion Turbine Resources	5602	5602	5661	5746	5874	5938	5949	5904	5853	5707	5707	4623	5075	5599
7	Large Thermal Resources	7244	7244	7244	7244	7244	7244	7244	7244	7244	7244	7244	5216	7090	7244
8	Renewable Resources	126	127	127	127	127	127	127	127	126	126	126	126	79.0	126
9	Small Hydro	401	399	327	244	185	173	166	177	212	326	336	461	480	473
10	Small Thermal & Miscellaneous	83.0	83.3	82.4	82.5	82.8	83.9	84.3	84.0	82.6	82.7	82.4	84.6	82.4	81.7
11	**Imports**	1415	1415	1154	1095	1415	1831	1568	1598	1251	1064	1064	1096	1369	1459
12	Canada	266	266	146	147	102	356	155	188	213	147	147	147	146	146
13	East of Continental Divide	401	401	380	379	422	483	477	475	426	369	369	371	406	420
14	Inland Southwest	747	747	628	569	566	647	590	589	565	536	536	578	817	893
15	Pacific Southwest	0	0	0	0	325	346	346	346	46.0	12.0	12.0	0	0	0

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-4359	-4242	-4095	-4109	-4413	-4551	-4482	-4334	-4258	-4154	-4111	-4318	-4492	-4538
18	Contingency Reserves (Non-Spinning)	-939	-911	-851	-861	-959	-1014	-1000	-950	-913	-873	-863	-884	-943	-970
19	Contingency Reserves (Spinning)	-939	-911	-851	-861	-959	-1014	-1000	-950	-913	-873	-863	-884	-943	-970
20	Generation Imbalance Reserves	-567	-567	-567	-567	-567	-567	-567	-567	-567	-567	-567	-612	-614	-614
21	Load Following Reserves	-686	-686	-686	-687	-687	-687	-687	-687	-687	-687	-687	-719	-721	-721
22	Transmission Losses	-1229	-1166	-1140	-1133	-1243	-1269	-1229	-1180	-1178	-1154	-1131	-1219	-1269	-1262
23	**Total Resources**	**35443**	**33652**	**32896**	**32693**	**35847**	**36604**	**35449**	**34036**	**33992**	**33282**	**32625**	**35168**	**36615**	**36409**
24	**Total Surplus/Deficit**	**2710**	**1139**	**3883**	**3367**	**3407**	**1056**	**-203**	**279**	**3103**	**3925**	**3312**	**7626**	**5413**	**2772**

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	32240	32240	28754	29347	32502	35851	35770	33867	31044	29447	29447	27822	31002	33269
2	Federal Agency	175	175	165	188	214	245	251	234	233	207	207	189	194	194
3	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	Cooperative	2901	2901	2709	2747	2979	3438	3410	3191	2928	2921	2921	2863	2919	3089
5	Municipality	3621	3621	3431	3883	4455	4758	4734	4561	4113	3916	3916	3415	3482	3668
6	Public Utility District	5888	5888	5528	6123	7078	7850	7649	7221	6487	6264	6264	5714	5704	6018
7	Investor-Owned Utility	17979	17979	15351	14902	16632	18300	18708	17368	15889	14707	14707	14084	17083	18592
8	Marketer	450	450	429	426	431	443	451	438	432	418	418	420	441	460
9	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553
10	**Exports**	2005	2005	1848	1780	1542	1543	1544	1672	1659	1541	1549	1404	1850	1884
11	Canada	1479	1479	1324	1556	1324	1324	1324	1453	1440	1324	1324	1324	1324	1357
12	East Continental Divide	19.8	19.8	17.3	17.1	19.1	20.1	20.9	20.1	19.5	18.3	18.3	17.0	18.8	20.5
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	507	507	507	207	199	199	199	199	199	199	207	62.8	507	507
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-1100	-1336	-1219	-1547	-1224	-1455	-1300	-1438	-1466	-1360	-1462	-1355	-1167	-1065
17		-1100	-1336	-1219	-1547	-1224	-1455	-1300	-1438	-1466	-1360	-1462	-1355	-1167	-1065
18	**Total Firm Loads**	**33146**	**32909**	**29384**	**29580**	**32821**	**35939**	**36015**	**34101**	**31237**	**29629**	**29535**	**27871**	**31685**	**34088**
	Non-Firm Loads														
1	**Regional Non-Firm Loads**	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
2	Federal Agency	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	USBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Cooperative	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
7	Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Direct-Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
	Resources														
1	**Hydro**	22087	20174	19566	19276	22362	22801	21805	20288	21177	19907	19686	25036	23839	23056
2	Regulated Hydro - Net	20579	18667	17987	17765	20898	21410	20469	19043	19673	18118	17881	23046	21802	21428
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16396	16395	16380	16528	16579	16647	16649	16610	15926	15238	15244	12740	14761	16465
5	Cogeneration Resources	2941	2941	2964	3045	3063	3077	3080	3074	2406	2574	2566	2711	2932	2944
6	Combustion Turbine Resources	5602	5602	5637	5786	5878	5942	5949	5904	5853	5626	5626	4739	5075	5599
7	Large Thermal Resources	7244	7244	7244	7244	7244	7244	7244	7244	7244	6504	6504	4616	6114	7244
8	Renewable Resources	126	127	127	127	127	127	127	127	126	126	126	126	79.0	126
9	Small Hydro	401	399	327	244	185	174	166	177	215	326	340	464	480	471
10	Small Thermal & Miscellaneous	83.0	83.3	82.4	82.5	82.8	83.9	84.3	84.0	82.6	82.7	82.4	84.6	82.4	81.7
11	**Imports**	1425	1425	1160	1101	1395	1791	1528	1558	1211	1058	1058	1102	1381	1471
12	Canada	266	266	146	147	102	356	155	188	213	147	147	147	146	146
13	East of Continental Divide	404	404	382	381	424	485	479	477	428	371	371	373	409	422
14	Inland Southwest	755	755	632	573	569	650	594	593	569	540	540	582	826	903
15	Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-4468	-4350	-4202	-4213	-4517	-4657	-4586	-4439	-4369	-4205	-4192	-4267	-4417	-4598
18	Contingency Reserves (Non-Spinning)	-946	-918	-857	-866	-964	-1021	-1006	-956	-918	-870	-867	-856	-914	-977
19	Contingency Reserves (Spinning)	-946	-918	-857	-866	-964	-1021	-1006	-956	-918	-870	-867	-856	-914	-977
20	Generation Imbalance Reserves	-622	-622	-622	-622	-622	-622	-622	-622	-628	-628	-628	-628	-627	-644
21	Load Following Reserves	-726	-726	-726	-726	-726	-726	-726	-726	-728	-728	-728	-728	-730	-739
22	Transmission Losses	-1228	-1166	-1141	-1133	-1242	-1268	-1227	-1179	-1177	-1109	-1102	-1200	-1233	-1261
23	**Total Resources**	**35440**	**33644**	**32904**	**32692**	**35819**	**36582**	**35396**	**34016**	**33944**	**31998**	**31796**	**34611**	**35564**	**36393**
24	**Total Surplus/Deficit**	**2294**	**735**	**3507**	**3112**	**2998**	**643**	**-622**	**-108**	**2654**	**2335**	**2227**	**6740**	**3879**	**2305**

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	32700	32700	29121	29696	32877	36268	36176	34202	31399	29794	29794	28171	31429	33726
2	Federal Agency	179	179	169	192	217	249	254	228	236	210	210	191	197	197
3	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	Cooperative	2969	2969	2772	2807	3040	3505	3469	3232	2982	2979	2979	2923	2981	3157
5	Municipality	3647	3647	3456	3906	4480	4784	4759	4562	4137	3939	3939	3438	3506	3692
6	Public Utility District	5954	5954	5579	6177	7136	7914	7712	7279	6541	6317	6317	5775	5767	6075
7	Investor-Owned Utility	18275	18275	15573	15108	16857	18555	18962	17608	16108	14915	14915	14285	17356	18896
8	Marketer	451	451	430	427	433	444	453	439	433	420	420	421	443	461
9	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553
10	**Exports**	2005	2005	1848	1780	1542	1543	1544	1672	1659	1541	1549	1404	1850	1884
11	Canada	1479	1479	1324	1556	1324	1324	1324	1453	1440	1324	1324	1324	1324	1357
12	East Continental Divide	19.8	19.8	17.3	17.1	19.1	20.1	20.9	20.1	19.5	18.3	18.3	17.0	18.8	20.5
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	507	507	507	207	199	199	199	199	199	199	207	62.8	507	507
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-1090	-1384	-1235	-1561	-1215	-1463	-1302	-1467	-1471	-1365	-1511	-1363	-1247	-1066
17		-1090	-1384	-1235	-1561	-1215	-1463	-1302	-1467	-1471	-1365	-1511	-1363	-1247	-1066
18	**Total Firm Loads**	**33616**	**33321**	**29734**	**29915**	**33204**	**36349**	**36418**	**34408**	**31587**	**29970**	**29832**	**28212**	**32031**	**34544**
	Non-Firm Loads														
1	**Regional Non-Firm Loads**	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
2	Federal Agency	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	USBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Cooperative	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
7	Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Direct-Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
	Resources														
1	**Hydro**	22116	20219	19605	19273	22387	22823	21830	20304	21217	19901	19681	25263	24021	23068
2	Regulated Hydro - Net	20608	18712	18027	17762	20923	21432	20495	19059	19713	18113	17876	23273	21984	21441
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16396	16393	16376	16523	16575	16647	16649	16609	15923	15932	14932	13112	15785	16466
5	Cogeneration Resources	2941	2941	2964	3045	3063	3077	3080	3074	2406	3046	2566	2711	2932	2944
6	Combustion Turbine Resources	5602	5602	5637	5784	5876	5942	5949	5904	5853	5626	5626	4667	5075	5599
7	Large Thermal Resources	7244	7244	7244	7244	7244	7244	7244	7244	7244	6726	6196	5062	7090	7244
8	Renewable Resources	126	127	127	127	127	127	127	127	126	126	126	126	126	126
9	Small Hydro	401	397	323	242	184	174	166	177	212	326	336	461	480	473
10	Small Thermal & Miscellaneous	83.0	83.3	82.4	82.5	82.8	83.9	84.3	84.0	82.6	82.7	82.4	84.6	82.4	81.7
11	**Imports**	1435	1435	1166	1106	1401	1796	1534	1562	1216	1063	1063	1107	1392	1484
12	Canada	266	266	146	147	102	356	155	188	213	147	147	147	146	146
13	East of Continental Divide	406	406	384	383	426	487	482	478	431	373	373	376	411	425
14	Inland Southwest	763	763	636	576	572	653	597	596	572	543	543	585	835	913
15	Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-4517	-4399	-4249	-4222	-4529	-4670	-4599	-4447	-4379	-4249	-4188	-4363	-4538	-4613
18	Contingency Reserves (Non-Spinning)	-953	-925	-863	-871	-970	-1027	-1012	-960	-923	-881	-870	-895	-955	-984
19	Contingency Reserves (Spinning)	-953	-925	-863	-871	-970	-1027	-1012	-960	-923	-881	-870	-895	-955	-984
20	Generation Imbalance Reserves	-644	-644	-644	-622	-622	-622	-622	-622	-628	-628	-628	-628	-627	-644
21	Load Following Reserves	-739	-739	-739	-726	-726	-726	-726	-726	-728	-728	-728	-728	-730	-739
22	Transmission Losses	-1228	-1166	-1140	-1133	-1242	-1268	-1228	-1179	-1178	-1132	-1091	-1217	-1271	-1262
23	**Total Resources**	**35430**	**33647**	**32900**	**32680**	**35834**	**36597**	**35414**	**34027**	**33977**	**32648**	**31487**	**35120**	**36661**	**36406**
24	**Total Surplus/Deficit**	**1815**	**326**	**3151**	**2765**	**2629**	**248**	**-1008**	**-403**	**2336**	**2644**	**1622**	**6908**	**4629**	**1862**

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	33157	33157	29488	30049	33255	36683	36602	34668	31775	30155	30155	28542	31874	34202
2	Federal Agency	182	182	171	194	219	252	256	238	238	212	212	193	199	199
3	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	Cooperative	3034	3034	2832	2863	3096	3566	3538	3323	3046	3048	3048	2994	3055	3237
5	Municipality	3672	3672	3479	3935	4510	4815	4788	4615	4164	3966	3966	3465	3532	3719
6	Public Utility District	6020	6020	5632	6230	7196	7981	7775	7349	6597	6373	6373	5838	5832	6136
7	Investor-Owned Utility	18572	18572	15799	15320	17086	18807	19223	17847	16334	15122	15122	14491	17632	19199
8	Marketer	453	453	432	428	434	446	454	441	434	421	421	423	444	463
9	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553
10	**Exports**	2005	2005	1848	1780	1542	1543	1544	1672	1659	1541	1549	1404	1850	1884
11	Canada	1479	1479	1324	1556	1324	1324	1324	1453	1440	1324	1324	1324	1324	1357
12	East Continental Divide	19.8	19.8	17.3	17.1	19.1	20.1	20.9	20.1	19.5	18.3	18.3	17.0	18.8	20.5
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	507	507	507	207	199	199	199	199	199	199	207	62.8	507	507
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-1010	-1328	-1337	-1571	-1189	-1548	-1212	-1445	-1538	-1357	-1554	-1324	-1295	-1112
17		-1010	-1328	-1337	-1571	-1189	-1548	-1212	-1445	-1538	-1357	-1554	-1324	-1295	-1112
18	**Total Firm Loads**	**34152**	**33834**	**29999**	**30258**	**33609**	**36678**	**36934**	**34896**	**31896**	**30339**	**30150**	**28621**	**32429**	**34973**
	Non-Firm Loads														
1	**Regional Non-Firm Loads**	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
2	Federal Agency	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	USBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Cooperative	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
7	Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Direct-Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
	Resources														
1	**Hydro**	22130	20271	19562	19290	22419	22755	21924	20284	21173	19899	19672	25218	23888	23025
2	Regulated Hydro - Net	20622	18763	17983	17779	20955	21364	20589	19040	19669	18110	17867	23228	21851	21398
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16396	16395	16408	16525	16576	15977	15399	15359	14673	15200	14730	11995	13358	15216
5	Cogeneration Resources	2941	2941	2964	3045	3063	3077	3080	3074	2406	3046	2566	2711	2932	2944
6	Combustion Turbine Resources	5602	5602	5665	5784	5876	5942	5949	5904	5853	5626	5626	4667	5075	5599
7	Large Thermal Resources	7244	7244	7244	7244	7244	6574	5994	5994	5994	5994	5994	3946	4710	5994
8	Renewable Resources	126	127	127	127	127	127	127	127	126	126	126	126	79.0	126
9	Small Hydro	401	399	327	244	185	173	166	177	213	326	336	461	480	473
10	Small Thermal & Miscellaneous	83.0	83.3	82.4	82.5	82.8	83.9	84.3	84.0	82.6	82.7	82.4	84.6	82.4	81.7
11	**Imports**	1446	1446	1173	1112	1405	1802	1539	1569	1222	1069	1069	1113	1402	1495
12	Canada	266	266	146	147	102	356	155	188	213	147	147	147	146	146
13	East of Continental Divide	408	408	386	385	428	489	484	482	433	375	375	377	413	427
14	Inland Southwest	771	771	640	580	575	657	600	599	576	547	547	589	843	922
15	Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0

Loads and Resources - Pacific Northwest Region

Operating Year: 2021 Water Year: 1937

2012 White Book Report Date: **10/19/2012** *Continued*

S104-WB-20130606-150434

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-4531	-4416	-4258	-4231	-4540	-4634	-4537	-4382	-4310	-4199	-4156	-4251	-4360	-4546
18	Contingency Reserves (Non-Spinning)	-960	-932	-868	-875	-975	-1021	-1000	-948	-909	-867	-857	-857	-908	-972
19	Contingency Reserves (Spinning)	-960	-932	-868	-875	-975	-1021	-1000	-948	-909	-867	-857	-857	-908	-972
20	Generation Imbalance Reserves	-644	-644	-644	-622	-622	-622	-622	-622	-628	-628	-628	-628	-627	-644
21	Load Following Reserves	-739	-739	-739	-726	-726	-726	-726	-726	-728	-728	-728	-728	-730	-739
22	Transmission Losses	-1228	-1168	-1140	-1133	-1243	-1244	-1190	-1138	-1135	-1108	-1085	-1181	-1188	-1220
23	**Total Resources**	**35441**	**33695**	**32884**	**32696**	**35861**	**35899**	**34325**	**32830**	**32759**	**31969**	**31315**	**34076**	**34288**	**35191**
24	**Total Surplus/Deficit**	**1289**	**-139**	**2871**	**2438**	**2252**	**-779**	**-2613**	**-2088**	**808**	**1596**	**1131**	**5455**	**1859**	**217**

Loads and Resources - Pacific Northwest Region

Operating Year: 2022 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20130606-150434

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	33633	33633	29874	30413	33643	37102	37000	35042	32129	30490	30490	28876	32278	34646
2	Federal Agency	184	184	173	196	221	254	258	240	240	213	213	194	200	200
3	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	Cooperative	3112	3112	2907	2934	3168	3642	3590	3370	3092	3094	3094	3040	3100	3284
5	Municipality	3699	3699	3506	3960	4537	4843	4815	4642	4189	3991	3991	3489	3558	3745
6	Public Utility District	6085	6085	5684	6280	7252	8043	7835	7406	6650	6425	6425	5894	5888	6193
7	Investor-Owned Utility	18874	18874	16029	15533	17315	19056	19479	18089	16560	15331	15331	14697	17907	19510
8	Marketer	454	454	433	430	435	447	456	442	436	422	422	424	446	465
9	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553
10	**Exports**	1950	1950	1793	1725	1487	1488	1489	1617	1604	1486	1494	1349	1795	1829
11	Canada	1479	1479	1324	1556	1324	1324	1324	1453	1440	1324	1324	1324	1324	1357
12	East Continental Divide	19.8	19.8	17.3	17.1	19.1	20.1	20.9	20.1	19.5	18.3	18.3	17.0	18.8	20.5
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	452	452	452	152	144	144	144	144	144	144	152	7.81	452	452
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-1030	-1350	-1339	-1506	-1237	-1502	-1234	-1463	-1555	-1374	-1593	-1349	-1311	-1082
17		-1030	-1350	-1339	-1506	-1237	-1502	-1234	-1463	-1555	-1374	-1593	-1349	-1311	-1082
18	**Total Firm Loads**	**34554**	**34233**	**30328**	**30632**	**33893**	**37088**	**37255**	**35197**	**32178**	**30602**	**30391**	**28876**	**32761**	**35393**
	Non-Firm Loads														
1	**Regional Non-Firm Loads**	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
2	Federal Agency	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	USBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Cooperative	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
7	Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Direct-Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
	Resources														
1	**Hydro**	22103	20250	19549	19257	22371	22808	21815	20289	21200	19885	19665	25269	24005	23052
2	Regulated Hydro - Net	20594	18743	17970	17746	20907	21417	20479	19045	19696	18096	17860	23279	21968	21425
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	15146	15145	15112	15275	15326	15397	15399	15359	14673	13988	13460	13795	14641	15216
5	Cogeneration Resources	2941	2941	2964	3045	3063	3077	3080	3074	2406	2574	2566	2711	2932	2944
6	Combustion Turbine Resources	5602	5602	5619	5784	5876	5942	5949	5904	5853	5626	5626	4667	5075	5599
7	Large Thermal Resources	5994	5994	5994	5994	5994	5994	5994	5994	5994	5254	4724	5746	5994	5994
8	Renewable Resources	126	127	127	127	127	127	127	127	126	126	126	126	79.0	126
9	Small Hydro	401	399	327	244	185	173	166	177	213	326	336	461	480	473
10	Small Thermal & Miscellaneous	83.0	83.3	82.4	82.5	82.8	83.9	84.3	84.0	82.6	82.7	82.4	84.6	82.4	81.7
11	**Imports**	1455	1455	1178	1118	1410	1808	1545	1575	1228	1074	1074	1119	1413	1507
12	Canada	266	266	146	147	102	356	155	188	213	147	147	147	146	146
13	East of Continental Divide	410	410	388	387	430	492	486	484	435	377	377	379	415	429
14	Inland Southwest	779	779	644	584	578	661	604	603	580	550	550	593	852	932
15	Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0

Loads and Resources - Pacific Northwest Region

Operating Year: 2022 Water Year: 1937

2012 White Book Report Date: **10/19/2012** *Continued*

S104-WB-20130606-150434

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-4465	-4351	-4188	-4162	-4470	-4613	-4541	-4393	-4321	-4153	-4122	-4406	-4486	-4561
18	Contingency Reserves (Non-Spinning)	-948	-921	-854	-861	-961	-1019	-1004	-954	-915	-865	-862	-905	-948	-978
19	Contingency Reserves (Spinning)	-948	-921	-854	-861	-961	-1019	-1004	-954	-915	-865	-862	-905	-948	-978
20	Generation Imbalance Reserves	-644	-644	-644	-622	-622	-622	-622	-622	-628	-628	-628	-628	-627	-644
21	Load Following Reserves	-739	-739	-739	-726	-726	-726	-726	-726	-728	-728	-728	-728	-730	-739
22	Transmission Losses	-1187	-1126	-1097	-1091	-1201	-1227	-1186	-1138	-1136	-1067	-1042	-1240	-1233	-1221
23	**Total Resources**	**34239**	**32499**	**31651**	**31488**	**34638**	**35400**	**34217**	**32830**	**32780**	**30794**	**30076**	**35777**	**35574**	**35215**
24	**Total Surplus/Deficit**	**-315**	**-1734**	**1309**	**856**	**745**	**-1688**	**-3042**	**-2389**	**548**	**158**	**-350**	**6901**	**2812**	**-179**

Loads and Resources - Pacific Northwest Region

Operating Year: 2023 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20130606-150434

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	34076	34076	30227	30751	34006	37500	37394	35392	32472	30819	30819	29205	32677	35087
2	Federal Agency	185	185	174	197	223	256	260	243	236	214	214	196	202	202
3	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	Cooperative	3158	3158	2950	2979	3215	3696	3631	3400	3128	3131	3131	3076	3136	3323
5	Municipality	3725	3725	3531	3985	4564	4870	4841	4667	4217	4015	4015	3514	3583	3771
6	Public Utility District	6150	6150	5736	6335	7312	8109	7899	7457	6706	6480	6480	5949	5945	6254
7	Investor-Owned Utility	19178	19178	16259	15744	17542	19304	19738	18326	16786	15539	15539	14908	18185	19823
8	Marketer	456	456	434	431	437	449	458	444	437	424	424	425	447	466
9	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553
10	**Exports**	1950	1950	1793	1725	1487	1488	1489	1617	1604	1486	1494	1349	1795	1829
11	Canada	1479	1479	1324	1556	1324	1324	1324	1453	1440	1324	1324	1324	1324	1357
12	East Continental Divide	19.8	19.8	17.3	17.1	19.1	20.1	20.9	20.1	19.5	18.3	18.3	17.0	18.8	20.5
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	452	452	452	152	144	144	144	144	144	144	152	7.81	452	452
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-1141	-1477	-1356	-1522	-1250	-1534	-1245	-1482	-1565	-1307	-1561	-1438	-1329	-1099
17		-1141	-1477	-1356	-1522	-1250	-1534	-1245	-1482	-1565	-1307	-1561	-1438	-1329	-1099
18	**Total Firm Loads**	**34886**	**34550**	**30664**	**30955**	**34243**	**37455**	**37638**	**35527**	**32510**	**30999**	**30752**	**29116**	**33143**	**35816**
	Non-Firm Loads														
1	**Regional Non-Firm Loads**	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
2	Federal Agency	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	USBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Cooperative	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
7	Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Direct-Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
	Resources														
1	**Hydro**	22115	20255	19545	19274	22403	22759	21930	20289	21178	19883	19656	25243	23893	23030
2	Regulated Hydro - Net	20607	18748	17967	17763	20939	21368	20594	19044	19674	18095	17852	23253	21855	21403
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	15146	15145	15158	15242	15329	15397	15399	15359	14673	14012	13542	12538	13358	15216
5	Cogeneration Resources	2941	2941	2964	3045	3063	3077	3080	3074	2406	3046	2566	2711	2932	2944
6	Combustion Turbine Resources	5602	5602	5665	5750	5878	5942	5949	5904	5853	5626	5626	4693	5075	5599
7	Large Thermal Resources	5994	5994	5994	5994	5994	5994	5994	5994	5994	4806	4806	4462	4710	5994
8	Renewable Resources	126	127	127	127	127	127	127	127	126	126	126	126	79.0	126
9	Small Hydro	401	399	327	244	185	173	166	177	213	326	336	461	480	473
10	Small Thermal & Miscellaneous	83.0	83.3	82.4	82.5	82.8	83.9	84.3	84.0	82.6	82.7	82.4	84.6	82.4	81.7
11	**Imports**	1467	1467	1184	1124	1416	1814	1550	1580	1233	1080	1080	1125	1424	1520
12	Canada	266	266	146	147	102	356	155	188	213	147	147	147	146	146
13	East of Continental Divide	412	412	390	389	432	494	488	486	437	379	379	381	417	431
14	Inland Southwest	788	788	648	588	581	665	607	606	583	554	554	597	861	942
15	Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0

Loads and Resources - Pacific Northwest Region

Operating Year: 2023 Water Year: 1937

2012 White Book Report Date: **10/19/2012** *Continued*

S104-WB-20130606-150434

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-4479	-4364	-4201	-4171	-4483	-4621	-4560	-4403	-4330	-4158	-4115	-4309	-4384	-4572
18	Contingency Reserves (Non-Spinning)	-954	-927	-860	-866	-967	-1024	-1011	-959	-919	-867	-857	-877	-919	-985
19	Contingency Reserves (Spinning)	-954	-927	-860	-866	-967	-1024	-1011	-959	-919	-867	-857	-877	-919	-985
20	Generation Imbalance Reserves	-644	-644	-644	-622	-622	-622	-622	-622	-628	-628	-628	-628	-627	-644
21	Load Following Reserves	-739	-739	-739	-726	-726	-726	-726	-726	-728	-728	-728	-728	-730	-739
22	Transmission Losses	-1187	-1127	-1098	-1091	-1202	-1225	-1190	-1138	-1135	-1068	-1045	-1199	-1189	-1220
23	**Total Resources**	**34249**	**32503**	**31687**	**31469**	**34665**	**35349**	**34319**	**32825**	**32754**	**30817**	**30163**	**34597**	**34291**	**35194**
24	**Total Surplus/Deficit**	**-638**	**-2047**	**1009**	**514**	**421**	**-2106**	**-3323**	**-2725**	**190**	**-215**	**-623**	**5482**	**1148**	**-622**

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Exhibit 14
Table A-6: BPA Sales to Preference and Legacy Customers

Monthly 120-Hour Capacity
Operating Year 2014 to 2023
Using 1937-Water Conditions

Table A-6: BPA Sales to Preference and Legacy Customers

Operating Year 2014 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
1	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
2	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
3	**Load Following**	**4340**	**4340**	**4163**	**4441**	**4997**	**5687**	**5644**	**5323**	**4863**	**4679**	**4679**	**4304**	**4293**	**4517**
4	Cooperative	2566	2566	2404	2432	2666	3102	3065	2869	2613	2580	2580	2511	2559	2704
5	Municipality	830	830	790	814	951	1038	1019	979	878	819	819	755	771	843
6	Public Utility District	803	803	839	1041	1195	1333	1347	1279	1175	1112	1112	887	807	813
7	Federal Entities	141	141	131	154	185	214	213	196	197	169	169	151	155	157
8	**Slice Right to Power**	**2349**	**1891**	**1928**	**1808**	**2528**	**2566**	**2125**	**1887**	**2181**	**1882**	**1883**	**3192**	**2662**	**2555**
9	Municipality	783	631	643	603	843	856	709	629	727	628	628	1064	888	852
10	Public Utility District	1566	1261	1285	1205	1685	1711	1416	1258	1454	1255	1255	2128	1775	1703
11	**Tier 1 Block**	**1636**	**1636**	**1716**	**1655**	**2046**	**2274**	**2310**	**2137**	**1989**	**1663**	**1663**	**1454**	**1351**	**1592**
12	Municipality	488	488	613	547	758	827	858	813	778	541	541	359	287	462
13	Public Utility District	1148	1148	1102	1108	1288	1447	1452	1324	1211	1122	1122	1094	1063	1130
14	**USBR Obligation**	**671**	**671**	**589**	**529**	**162**	**264**	**14.9**	**301**	**409**	**462**	**462**	**585**	**627**	**696**
15	USBR	671	671	589	529	162	264	14.9	301	409	462	462	585	627	696
	Total Power Sales Contracts														
16	Cooperative	2566	2566	2404	2432	2666	3102	3065	2869	2613	2580	2580	2511	2559	2704
17	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
18	Federal Entities	141	141	131	154	185	214	213	196	197	169	169	151	155	157
19	Municipality	2101	1949	2046	1963	2553	2721	2585	2422	2384	1987	1987	2179	1947	2158
20	Public Utility District	3517	3212	3227	3354	4168	4491	4215	3862	3839	3488	3489	4109	3645	3646
21	USBR	671	671	589	529	162	264	14.9	301	409	462	462	585	627	696
22	**Total Power Sales Contracts**	**9311**	**8853**	**8712**	**8748**	**10050**	**11108**	**10410**	**9965**	**9759**	**9003**	**9003**	**9850**	**9249**	**9676**

Table A-6: BPA Sales to Preference and Legacy Customers

Operating Year 2015 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
1	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
2	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
3	**Load Following**	**4390**	**4390**	**4208**	**4504**	**5062**	**5752**	**5706**	**5378**	**4919**	**4737**	**4737**	**4362**	**4356**	**4584**
4	Cooperative	2595	2595	2429	2473	2706	3142	3103	2900	2647	2617	2617	2550	2601	2751
5	Municipality	841	841	799	827	966	1054	1032	992	890	830	830	766	783	856
6	Public Utility District	811	811	847	1048	1202	1341	1355	1287	1182	1119	1119	893	813	819
7	Federal Entities	142	142	132	156	187	216	216	199	200	171	171	153	158	159
8	**Slice Right to Power**	**2382**	**1855**	**1767**	**1743**	**2496**	**2574**	**2286**	**1917**	**2211**	**1920**	**1864**	**2789**	**2228**	**2412**
9	Municipality	794	618	589	581	832	858	762	639	737	640	621	930	743	804
10	Public Utility District	1588	1236	1178	1162	1664	1716	1524	1278	1474	1280	1242	1859	1485	1608
11	**Tier 1 Block**	**1593**	**1593**	**1661**	**1736**	**2147**	**2387**	**2424**	**2243**	**2088**	**1746**	**1746**	**1526**	**1419**	**1671**
12	Municipality	483	483	596	572	793	866	897	850	814	567	567	378	303	485
13	Public Utility District	1110	1110	1065	1164	1354	1521	1527	1393	1274	1179	1179	1149	1116	1186
14	**USBR Obligation**	**673**	**673**	**589**	**529**	**161**	**264**	**14.8**	**301**	**409**	**462**	**462**	**585**	**627**	**696**
15	USBR	673	673	589	529	161	264	14.8	301	409	462	462	585	627	696
	Total Power Sales Contracts														
16	Cooperative	2595	2595	2429	2473	2706	3142	3103	2900	2647	2617	2617	2550	2601	2751
17	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
18	Federal Entities	142	142	132	156	187	216	216	199	200	171	171	153	158	159
19	Municipality	2119	1943	1985	1980	2591	2778	2691	2481	2442	2037	2018	2074	1829	2145
20	Public Utility District	3509	3158	3090	3374	4221	4578	4406	3957	3929	3578	3540	3901	3415	3612
21	USBR	673	673	589	529	161	264	14.8	301	409	462	462	585	627	696
22	**Total Power Sales Contracts**	**9354**	**8828**	**8541**	**8828**	**10182**	**11294**	**10747**	**10155**	**9943**	**9181**	**9125**	**9579**	**8946**	**9678**

Table A-6: BPA Sales to Preference and Legacy Customers

Operating Year 2016 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
1	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
2	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
3	**Load Following**	**4455**	**4455**	**4268**	**4531**	**5090**	**5784**	**5745**	**5362**	**4951**	**4773**	**4773**	**4401**	**4396**	**4630**
4	Cooperative	2639	2639	2470	2482	2714	3151	3127	2906	2665	2640	2640	2575	2628	2782
5	Municipality	854	854	811	837	978	1066	1040	976	898	836	836	773	791	864
6	Public Utility District	817	817	853	1054	1208	1348	1361	1286	1188	1124	1124	898	818	824
7	Federal Entities	144	144	134	158	189	219	217	193	201	172	172	154	159	160
8	**Slice Right to Power**	**2374**	**1815**	**1723**	**1747**	**2480**	**2573**	**2303**	**1909**	**2172**	**1919**	**1874**	**3127**	**2559**	**2402**
9	Municipality	791	605	575	583	827	858	768	636	724	640	625	1043	853	801
10	Public Utility District	1582	1210	1149	1165	1653	1715	1535	1272	1448	1279	1249	2085	1706	1601
11	**Tier 1 Block**	**1671**	**1671**	**1743**	**1684**	**2082**	**2315**	**2350**	**2100**	**2024**	**1693**	**1693**	**1481**	**1379**	**1621**
12	Municipality	507	507	624	548	759	829	859	786	779	543	543	361	290	464
13	Public Utility District	1165	1165	1119	1136	1323	1486	1492	1314	1245	1150	1150	1120	1089	1157
14	**USBR Obligation**	**672**	**672**	**589**	**526**	**161**	**264**	**14.8**	**301**	**409**	**462**	**462**	**585**	**627**	**696**
15	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
	Total Power Sales Contracts														
16	Cooperative	2639	2639	2470	2482	2714	3151	3127	2906	2665	2640	2640	2575	2628	2782
17	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
18	Federal Entities	144	144	134	158	189	219	217	193	201	172	172	154	159	160
19	Municipality	2152	1965	2010	1967	2563	2753	2666	2399	2401	2019	2004	2177	1934	2129
20	Public Utility District	3565	3192	3121	3355	4184	4549	4388	3873	3880	3553	3524	4103	3613	3582
21	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
22	**Total Power Sales Contracts**	**9489**	**8930**	**8640**	**8804**	**10129**	**11252**	**10729**	**9988**	**9872**	**9162**	**9117**	**9910**	**9277**	**9665**

Table A-6: BPA Sales to Preference and Legacy Customers

Operating Year 2017 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
1	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
2	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
3	**Load Following**	**4499**	**4499**	**4305**	**4573**	**5134**	**5837**	**5806**	**5477**	**5004**	**4829**	**4829**	**4459**	**4458**	**4697**
4	Cooperative	2669	2669	2493	2507	2739	3183	3156	2952	2688	2668	2668	2606	2662	2821
5	Municipality	862	862	819	846	989	1078	1050	1009	907	845	845	782	800	874
6	Public Utility District	823	823	858	1060	1215	1355	1368	1300	1194	1130	1130	904	824	829
7	Federal Entities	146	146	135	160	191	220	232	215	215	186	186	167	173	173
8	**Slice Right to Power**	**2366**	**1802**	**1724**	**1761**	**2470**	**2571**	**2288**	**1888**	**2153**	**1922**	**1862**	**2789**	**2247**	**2406**
9	Municipality	789	601	575	587	823	857	763	629	718	641	621	930	749	802
10	Public Utility District	1577	1201	1149	1174	1646	1714	1525	1258	1435	1281	1241	1859	1498	1604
11	**Tier 1 Block**	**1621**	**1621**	**1690**	**1721**	**2128**	**2366**	**2403**	**2224**	**2070**	**1730**	**1730**	**1513**	**1409**	**1657**
12	Municipality	485	485	597	560	775	847	877	832	796	555	555	369	296	474
13	Public Utility District	1137	1137	1093	1161	1353	1519	1526	1392	1273	1175	1175	1144	1113	1182
14	**USBR Obligation**	**672**	**672**	**589**	**526**	**161**	**264**	**14.8**	**301**	**409**	**462**	**462**	**585**	**627**	**696**
15	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
	Total Power Sales Contracts														
16	Cooperative	2669	2669	2493	2507	2739	3183	3156	2952	2688	2668	2668	2606	2662	2821
17	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
18	Federal Entities	146	146	135	160	191	220	232	215	215	186	186	167	173	173
19	Municipality	2135	1948	1991	1993	2588	2782	2690	2471	2421	2041	2021	2081	1846	2150
20	Public Utility District	3536	3161	3100	3395	4214	4588	4419	3951	3903	3586	3547	3907	3434	3615
21	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
22	**Total Power Sales Contracts**	**9475**	**8911**	**8624**	**8897**	**10209**	**11354**	**10828**	**10206**	**9952**	**9259**	**9199**	**9663**	**9057**	**9772**

Table A-6: BPA Sales to Preference and Legacy Customers

Operating Year 2018 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
1	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
2	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
3	**Load Following**	**4564**	**4564**	**4363**	**4629**	**5190**	**5902**	**5865**	**5529**	**5054**	**4882**	**4882**	**4513**	**4512**	**4758**
4	Cooperative	2705	2705	2523	2540	2772	3224	3196	2987	2721	2705	2705	2645	2700	2865
5	Municipality	872	872	828	855	999	1088	1059	1018	915	853	853	790	809	883
6	Public Utility District	828	828	864	1063	1218	1358	1371	1303	1197	1133	1133	906	826	832
7	Federal Entities	159	159	148	172	202	233	238	220	221	191	191	172	178	178
8	**Slice Right to Power**	**2357**	**1804**	**1724**	**1767**	**2472**	**2592**	**2294**	**1898**	**2166**	**1926**	**1875**	**3100**	**2606**	**2408**
9	Municipality	786	601	575	589	824	864	765	633	722	642	625	1034	869	803
10	Public Utility District	1571	1202	1149	1178	1648	1728	1529	1265	1444	1284	1250	2066	1737	1605
11	**Tier 1 Block**	**1657**	**1657**	**1727**	**1688**	**2089**	**2322**	**2359**	**2183**	**2031**	**1697**	**1697**	**1484**	**1382**	**1626**
12	Municipality	495	495	610	549	761	831	861	816	781	544	544	362	290	465
13	Public Utility District	1161	1161	1117	1139	1329	1492	1498	1367	1250	1153	1153	1122	1092	1161
14	**USBR Obligation**	**672**	**672**	**589**	**526**	**161**	**264**	**14.8**	**301**	**409**	**462**	**462**	**585**	**627**	**696**
15	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
	Total Power Sales Contracts														
16	Cooperative	2705	2705	2523	2540	2772	3224	3196	2987	2721	2705	2705	2645	2700	2865
17	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
18	Federal Entities	159	159	148	172	202	233	238	220	221	191	191	172	178	178
19	Municipality	2153	1969	2013	1993	2584	2782	2685	2467	2419	2039	2022	2186	1968	2151
20	Public Utility District	3560	3192	3130	3380	4194	4578	4399	3936	3891	3570	3536	4095	3655	3597
21	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
22	**Total Power Sales Contracts**	**9566**	**9013**	**8720**	**8927**	**10229**	**11397**	**10849**	**10228**	**9977**	**9283**	**9232**	**9998**	**9444**	**9802**

Table A-6: BPA Sales to Preference and Legacy Customers

Operating Year 2019 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
1	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
2	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
3	**Load Following**	**4621**	**4621**	**4416**	**4678**	**5241**	**5962**	**5922**	**5577**	**5103**	**4934**	**4934**	**4566**	**4567**	**4818**
4	Cooperative	2747	2747	2560	2570	2803	3262	3234	3015	2752	2740	2740	2681	2737	2908
5	Municipality	881	881	837	863	1008	1097	1068	1026	923	860	860	797	816	891
6	Public Utility District	830	830	866	1068	1224	1365	1378	1310	1203	1139	1139	911	831	837
7	Federal Entities	164	164	153	176	206	237	242	226	225	195	195	177	182	182
8	**Slice Right to Power**	**2364**	**1811**	**1742**	**1756**	**2541**	**2668**	**2362**	**1975**	**2199**	**1951**	**1902**	**2781**	**2282**	**2401**
9	Municipality	788	604	581	585	847	890	788	658	733	650	634	927	761	801
10	Public Utility District	1576	1207	1161	1170	1694	1778	1575	1316	1466	1300	1268	1854	1521	1601
11	**Tier 1 Block**	**1626**	**1626**	**1695**	**1724**	**2134**	**2372**	**2409**	**2230**	**2075**	**1733**	**1733**	**1516**	**1412**	**1660**
12	Municipality	486	486	599	561	777	848	879	834	798	556	556	370	297	475
13	Public Utility District	1140	1140	1097	1164	1357	1523	1530	1396	1277	1177	1177	1146	1115	1185
14	**USBR Obligation**	**672**	**672**	**589**	**526**	**161**	**264**	**14.8**	**301**	**409**	**462**	**462**	**585**	**627**	**696**
15	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
	Total Power Sales Contracts														
16	Cooperative	2747	2747	2560	2570	2803	3262	3234	3015	2752	2740	2740	2681	2737	2908
17	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
18	Federal Entities	164	164	153	176	206	237	242	226	225	195	195	177	182	182
19	Municipality	2155	1970	2016	2009	2632	2835	2734	2518	2454	2066	2050	2094	1874	2167
20	Public Utility District	3546	3177	3124	3402	4275	4667	4483	4022	3946	3617	3584	3911	3467	3623
21	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
22	**Total Power Sales Contracts**	**9600**	**9046**	**8759**	**9000**	**10393**	**11581**	**11024**	**10399**	**10102**	**9396**	**9347**	**9764**	**9204**	**9892**

Table A-6: BPA Sales to Preference and Legacy Customers

Operating Year 2020 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
1	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
2	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
3	**Load Following**	**4679**	**4679**	**4469**	**4734**	**5299**	**6027**	**5978**	**5574**	**5151**	**4986**	**4986**	**4620**	**4624**	**4881**
4	Cooperative	2787	2787	2596	2610	2844	3309	3273	3036	2785	2777	2777	2721	2779	2956
5	Municipality	889	889	844	869	1015	1104	1074	1008	928	865	865	803	823	897
6	Public Utility District	836	836	871	1075	1231	1372	1385	1310	1210	1146	1146	917	837	843
7	Federal Entities	168	168	157	180	209	241	246	220	228	198	198	179	185	185
8	**Slice Right to Power**	**2360**	**1810**	**1742**	**1756**	**2549**	**2674**	**2369**	**1980**	**2210**	**1950**	**1902**	**3114**	**2605**	**2404**
9	Municipality	787	604	581	585	850	892	790	660	737	650	634	1038	869	802
10	Public Utility District	1573	1207	1161	1170	1699	1783	1579	1320	1473	1300	1268	2076	1736	1603
11	**Tier 1 Block**	**1660**	**1660**	**1731**	**1695**	**2097**	**2331**	**2368**	**2116**	**2039**	**1703**	**1703**	**1490**	**1387**	**1632**
12	Municipality	496	496	611	551	763	834	864	791	784	546	546	363	291	467
13	Public Utility District	1164	1164	1120	1144	1334	1497	1504	1325	1255	1157	1157	1126	1096	1165
14	**USBR Obligation**	**672**	**672**	**589**	**526**	**161**	**264**	**14.8**	**301**	**409**	**462**	**462**	**585**	**627**	**696**
15	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
	Total Power Sales Contracts														
16	Cooperative	2787	2787	2596	2610	2844	3309	3273	3036	2785	2777	2777	2721	2779	2956
17	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
18	Federal Entities	168	168	157	180	209	241	246	220	228	198	198	179	185	185
19	Municipality	2172	1989	2036	2005	2628	2830	2728	2459	2450	2062	2046	2204	1983	2166
20	Public Utility District	3573	3206	3152	3389	4263	4652	4469	3954	3938	3603	3570	4120	3669	3611
21	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
22	**Total Power Sales Contracts**	**9688**	**9138**	**8847**	**9027**	**10422**	**11613**	**11047**	**10287**	**10126**	**9417**	**9368**	**10125**	**9559**	**9929**

Table A-6: BPA Sales to Preference and Legacy Customers

Operating Year 2021 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
1	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
2	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
3	**Load Following**	**4739**	**4739**	**4523**	**4782**	**5348**	**6082**	**6039**	**5695**	**5206**	**5044**	**5044**	**4681**	**4687**	**4951**
4	Cooperative	2832	2832	2636	2640	2873	3343	3315	3100	2823	2819	2819	2766	2827	3009
5	Municipality	895	895	850	879	1027	1117	1084	1042	937	874	874	811	832	907
6	Public Utility District	842	842	877	1080	1237	1379	1392	1323	1216	1151	1151	922	842	848
7	Federal Entities	170	170	160	182	211	244	248	230	230	200	200	181	187	187
8	**Slice Right to Power**	**2364**	**1823**	**1731**	**1757**	**2554**	**2659**	**2396**	**1977**	**2202**	**1953**	**1902**	**2829**	**2298**	**2397**
9	Municipality	788	608	577	586	851	887	799	659	734	651	634	943	766	799
10	Public Utility District	1575	1215	1154	1171	1702	1772	1597	1318	1468	1302	1268	1886	1532	1598
11	**Tier 1 Block**	**1632**	**1632**	**1702**	**1685**	**2085**	**2318**	**2355**	**2179**	**2028**	**1694**	**1694**	**1481**	**1379**	**1623**
12	Municipality	488	488	601	548	759	829	859	815	780	543	543	361	290	464
13	Public Utility District	1144	1144	1101	1137	1326	1489	1496	1365	1248	1151	1151	1120	1090	1158
14	**USBR Obligation**	**672**	**672**	**589**	**526**	**161**	**264**	**14.8**	**301**	**409**	**462**	**462**	**585**	**627**	**696**
15	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
	Total Power Sales Contracts														
16	Cooperative	2832	2832	2636	2640	2873	3343	3315	3100	2823	2819	2819	2766	2827	3009
17	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
18	Federal Entities	170	170	160	182	211	244	248	230	230	200	200	181	187	187
19	Municipality	2171	1991	2028	2013	2637	2832	2742	2516	2451	2068	2051	2116	1887	2170
20	Public Utility District	3561	3201	3132	3389	4265	4640	4484	4006	3931	3603	3570	3929	3463	3604
21	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
22	**Total Power Sales Contracts**	**9723**	**9183**	**8861**	**9066**	**10464**	**11639**	**11121**	**10469**	**10161**	**9468**	**9418**	**9893**	**9307**	**9982**

Table A-6: BPA Sales to Preference and Legacy Customers

Operating Year 2022 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
1	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
2	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
3	**Load Following**	**4807**	**4807**	**4587**	**4853**	**5421**	**6161**	**6091**	**5741**	**5251**	**5089**	**5089**	**4724**	**4729**	**4996**
4	Cooperative	2884	2884	2684	2696	2930	3404	3352	3131	2854	2851	2851	2797	2856	3041
5	Municipality	905	905	860	887	1035	1126	1092	1050	944	881	881	818	839	915
6	Public Utility District	847	847	882	1086	1243	1385	1398	1329	1221	1156	1156	927	846	853
7	Federal Entities	172	172	161	184	213	246	250	232	232	201	201	182	188	188
8	**Slice Right to Power**	**2359**	**1821**	**1730**	**1751**	**2543**	**2667**	**2362**	**1973**	**2205**	**1947**	**1898**	**3112**	**2602**	**2400**
9	Municipality	787	607	577	584	848	889	788	658	735	649	633	1038	867	800
10	Public Utility District	1573	1214	1153	1167	1695	1778	1575	1315	1470	1298	1265	2074	1734	1600
11	**Tier 1 Block**	**1623**	**1623**	**1692**	**1686**	**2087**	**2320**	**2356**	**2181**	**2029**	**1695**	**1695**	**1482**	**1380**	**1624**
12	Municipality	485	485	598	548	760	830	860	815	780	543	543	362	290	464
13	Public Utility District	1138	1138	1095	1138	1327	1490	1497	1366	1249	1151	1151	1121	1090	1159
14	**USBR Obligation**	**672**	**672**	**589**	**526**	**161**	**264**	**14.8**	**301**	**409**	**462**	**462**	**585**	**627**	**696**
15	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
	Total Power Sales Contracts														
16	Cooperative	2884	2884	2684	2696	2930	3404	3352	3131	2854	2851	2851	2797	2856	3041
17	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
18	Federal Entities	172	172	161	184	213	246	250	232	232	201	201	182	188	188
19	Municipality	2176	1997	2034	2019	2643	2845	2740	2523	2460	2073	2057	2217	1996	2179
20	Public Utility District	3557	3198	3130	3391	4265	4653	4469	4010	3940	3605	3573	4122	3671	3612
21	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
22	**Total Power Sales Contracts**	**9777**	**9239**	**8915**	**9132**	**10528**	**11728**	**11141**	**10513**	**10211**	**9508**	**9459**	**10219**	**9654**	**10032**

Table A-6: BPA Sales to Preference and Legacy Customers

Operating Year 2023 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
1	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
2	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
3	**Load Following**	**4851**	**4851**	**4628**	**4900**	**5472**	**6220**	**6137**	**5778**	**5284**	**5128**	**5128**	**4762**	**4767**	**5038**
4	Cooperative	2914	2914	2712	2729	2964	3446	3381	3150	2878	2876	2876	2821	2881	3068
5	Municipality	912	912	867	894	1044	1135	1100	1057	951	887	887	825	846	922
6	Public Utility District	851	851	887	1091	1249	1391	1404	1335	1227	1162	1162	932	851	858
7	Federal Entities	173	173	162	186	214	248	252	235	228	202	202	184	190	190
8	**Slice Right to Power**	**2359**	**1819**	**1726**	**1753**	**2549**	**2653**	**2389**	**1971**	**2198**	**1949**	**1899**	**2827**	**2295**	**2393**
9	Municipality	787	606	576	585	850	885	797	657	733	650	633	943	765	798
10	Public Utility District	1573	1212	1151	1169	1699	1768	1593	1314	1465	1299	1266	1884	1530	1595
11	**Tier 1 Block**	**1624**	**1624**	**1693**	**1686**	**2087**	**2320**	**2356**	**2181**	**2029**	**1695**	**1695**	**1482**	**1380**	**1624**
12	Municipality	485	485	598	548	760	830	860	815	780	543	543	362	290	464
13	Public Utility District	1139	1139	1095	1138	1327	1490	1497	1366	1249	1151	1151	1121	1090	1159
14	**USBR Obligation**	**672**	**672**	**589**	**526**	**161**	**264**	**14.8**	**301**	**409**	**462**	**462**	**585**	**627**	**696**
15	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
	Total Power Sales Contracts														
16	Cooperative	2914	2914	2712	2729	2964	3446	3381	3150	2878	2876	2876	2821	2881	3068
17	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
18	Federal Entities	173	173	162	186	214	248	252	235	228	202	202	184	190	190
19	Municipality	2184	2004	2040	2027	2654	2849	2756	2530	2465	2081	2064	2129	1901	2185
20	Public Utility District	3562	3202	3133	3398	4274	4649	4493	4014	3940	3613	3579	3937	3471	3612
21	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
22	**Total Power Sales Contracts**	**9822**	**9282**	**8953**	**9181**	**10584**	**11772**	**11213**	**10547**	**10236**	**9550**	**9499**	**9972**	**9386**	**10066**

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Exhibit 15
Table A-7: Regional Regulated Hydro

Monthly 120-Hour Capacity
Operating Year 2014 to 2023
Using 1937-Water Conditions

Table A-7: Regional: Regulated Hydro

Operating Year 2014 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-6017	-7901	-7629	-7359	-5957	-6323	-8376	-8955	-7572	-8606	-8669	-3787	-6601	-6233
2	Albeni Falls	39.7	42.8	45.3	39.9	30.8	24.8	24.9	25.0	26.0	22.9	29.2	35.8	43.7	46.6
3	Alder	37.1	30.5	28.0	0	0	4.45	45.0	35.0	33.3	33.0	40.0	46.8	51.4	52.0
4	Bonneville	833	888	919	859	870	886	921	912	911	942	935	941	953	890
5	Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	914	676
6	Box Canyon Dam	65.2	65.2	64.8	62.8	64.0	63.6	64.5	64.9	64.8	77.9	81.9	77.3	70.3	70.6
7	Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
8	Cabinet Gorge	202	169	169	187	238	238	238	238	238	238	238	238	239	238
9	Chelan Lake	57.6	57.4	57.4	56.0	16.8	16.8	56.4	55.6	55.4	55.3	54.1	54.6	56.0	56.8
10	Chief Joseph	2416	2391	2219	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
11	Cushman 1	19.1	15.9	13.3	9.89	8.38	17.2	17.2	15.8	18.4	22.5	25.0	29.5	35.5	39.1
12	Cushman 2	88.0	88.0	0	0	0	4.94	88.0	4.94	3.63	1.98	1.98	1.32	0.99	0.33
13	Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
14	Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
15	Faraday	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	40.8	16.9	-4.53
16	Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
17	Grand Coulee	5059	5127	4518	4571	5154	5177	5340	5238	5081	4505	4451	4312	4819	5118
18	Hells Canyon	202	202	284	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	345	289	287	290	313	319	285	236	238	214	230	353	356
20	Ice Harbor	523	509	567	523	533	601	586	620	626	665	654	657	679	578
21	John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
22	Kerr	179	179	179	178	177	176	173	171	172	170	166	172	178	180
23	La Grande	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
24	Libby	484	466	513	467	556	583	483	500	480	469	502	570	578	575
25	Little Falls	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	32.8	32.5	34.9	35.0
26	Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
27	Long Lake	72.0	72.0	72.0	72.0	72.3	72.5	68.6	63.6	63.9	68.7	72.3	72.5	72.5	72.5
28	Lower Baker	66.9	57.0	0	0	0	0	57.1	54.5	54.6	-38.1	-9.33	63.7	70.2	71.4
29	Lower Granite	510	504	575	606	622	697	737	832	843	868	835	853	857	725
30	Lower Monumental	682	746	788	685	744	739	810	861	838	897	916	912	904	801
31	Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	128	125
32	McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
33	Merwin	147	146	129	131	130	143	128	114	114	113	124	124	131	149
34	Monroe Street	5.78	5.98	14.5	7.46	7.48	10.8	9.45	5.99	12.6	14.5	14.4	14.3	14.5	11.8
35	Mossyrock	378	378	369	365	327	317	254	159	177	212	251	0	378	378
36	Nine Mile	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	20.6	20.4	21.4	21.5
37	North Fork	32.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	50.2	41.0
38	Noxon Rapids	327	331	395	433	432	440	440	432	416	433	441	552	552	552
39	Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
40	Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
41	Pelton	108	108	108	108	108	108	108	108	108	108	108	108	92.8	89.9
42	Pelton Rereg	10.1	10.1	-4.45	11.1	10.1	9.83	8.70	9.83	9.46	14.9	10.5	11.0	10.7	11.2
43	Post Falls	13.8	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.2	13.6	13.3	15.2	15.5
44	Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
45	River Mill	16.7	16.3	16.1	18.5	19.3	19.3	19.3	19.3	19.3	19.3	19.3	17.2	13.5	16.6
46	Rock Island	575	584	573	555	541	569	599	607	619	619	618	586	587	588
47	Rocky Reach	1301	1299	1154	1109	1180	1225	1187	1180	1180	1180	1289	1289	1289	1289
48	Ross	0	362	388	339	291	393	355	300	220	196	188	246	358	441
49	Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
50	Swift 1	263	263	209	155	227	188	162	140	152	158	0.23	233	265	268
51	Swift 2	62.1	62.1	59.8	47.5	70.0	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	57.5
52	The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
53	Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.3	85.2
54	Upper Baker	96.2	96.2	95.7	101	95.5	93.8	89.2	80.3	61.3	12.2	0	102	103	102
55	Upper Falls	9.80	9.80	9.59	9.80	9.80	9.80	9.80	9.80	9.78	9.40	8.81	8.74	9.26	9.80
56	Wanapum	672	664	661	661	706	669	661	661	661	661	661	675	674	674
57	Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
58	Yale	130	131	133	85.7	130	112	102	94.0	94.0	106	106	0	133	133
	Total Regulated Hydro														
59	Federal Entities	10814	9014	8849	8662	11163	11455	9707	9222	10147	8669	8659	13690	11696	11627
60	Investor Owned Utilities	4253	4178	4114	4025	4262	4279	4409	4264	4263	4116	4004	4465	4593	4546
61	Marketer	897	872	815	799	823	846	872	872	865	843	868	859	882	892

Table A-7: Regional: Regulated Hydro

Operating Year 2014 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
62	Municipality	1711	2091	2170	2087	2006	1977	2083	1804	1727	1766	1764	1811	2310	2155
63	Public Utility District	2300	2299	2181	2153	2197	2200	2225	2217	2168	2173	2223	2307	2306	2297
64	**Total Regulated Hydro**	**19976**	**18454**	**18129**	**17725**	**20450**	**20756**	**19295**	**18379**	**19171**	**17566**	**17518**	**23132**	**21787**	**21517**

Table A-7: Regional: Regulated Hydro

Operating Year 2015 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Idle Capacity Adjustment	-5835	-7974	-8095	-7415	-5852	-6162	-7642	-8692	-7335	-8305	-8586	-4097	-7064	-6645
2 Albeni Falls	39.7	42.8	45.3	39.9	30.8	24.8	24.9	25.0	26.0	22.9	29.2	35.8	43.7	46.6
3 Alder	37.1	30.5	0	0	0	4.45	45.0	31.5	28.0	30.3	0	46.6	51.4	52.0
4 Bonneville	833	888	919	859	870	886	921	912	911	942	935	941	953	890
5 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	914	676
6 Box Canyon Dam	65.2	65.2	64.8	62.8	64.0	63.6	64.5	64.9	64.8	77.9	81.9	77.3	70.3	70.6
7 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
8 Cabinet Gorge	202	169	170	187	238	238	238	238	238	238	238	238	239	238
9 Chelan Lake	56.6	55.4	55.4	56.0	56.2	16.7	55.6	54.9	54.2	16.3	15.3	15.5	55.8	56.8
10 Chief Joseph	2416	2391	2219	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
11 Cushman 1	21.4	16.8	13.3	26.1	25.1	27.0	24.1	17.0	15.2	16.7	19.8	24.1	30.6	34.4
12 Cushman 2	88.0	88.0	0	0.99	3.30	4.94	88.0	88.0	88.0	1.98	1.98	1.32	0.99	0.33
13 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
14 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
15 Faraday	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	40.8	16.9	-4.53
16 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
17 Grand Coulee	5059	5103	4508	4571	5141	5226	5421	5267	5140	4532	4460	4312	4819	5118
18 Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19 Hungry Horse	351	345	289	287	290	313	319	285	236	238	214	230	353	356
20 Ice Harbor	523	509	567	523	533	601	586	620	626	665	654	657	679	578
21 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
22 Kerr	179	179	179	178	177	176	173	171	172	170	166	172	178	180
23 La Grande	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
24 Libby	484	466	513	467	556	583	483	500	480	469	502	570	578	575
25 Little Falls	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	32.9	32.5	34.9	35.0
26 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
27 Long Lake	72.0	72.0	72.0	72.0	72.0	72.2	68.6	63.6	63.6	68.2	72.2	72.5	72.5	72.5
28 Lower Baker	66.9	57.0	0	0	0	0	57.1	54.3	54.3	-38.1	-9.33	63.7	70.2	71.4
29 Lower Granite	510	504	575	606	622	697	737	832	843	868	835	853	857	725
30 Lower Monumental	682	746	788	685	744	739	810	861	838	897	916	912	904	801
31 Mayfield	125	125	125	125	125	125	136	125	125	125	125	83.6	125	125
32 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
33 Merwin	147	146	146	123	114	129	128	113	113	113	124	124	131	149
34 Monroe Street	5.78	5.98	11.0	4.51	5.39	10.3	9.45	5.99	12.6	14.5	14.4	14.3	14.5	11.8
35 Mossyrock	378	378	378	318	282	271	215	134	134	155	202	0	378	378
36 Nine Mile	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	20.6	20.4	21.4	21.5
37 North Fork	32.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	50.2	41.0
38 Noxon Rapids	327	331	394	432	432	440	440	432	416	433	441	552	552	552
39 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
40 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
41 Pelton	108	108	108	108	108	108	108	108	108	108	108	108	92.8	89.9
42 Pelton Rereg	10.1	10.1	-4.45	11.1	10.5	9.45	8.70	9.83	10.4	13.1	10.5	11.0	10.7	11.2
43 Post Falls	13.8	15.5	15.5	12.9	15.5	15.5	15.5	15.5	15.5	15.2	13.6	13.3	15.2	15.5
44 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
45 River Mill	16.7	16.3	16.1	18.5	19.3	19.3	19.3	19.3	19.3	19.3	19.3	17.2	13.5	16.6
46 Rock Island	587	595	582	555	541	569	597	607	619	619	619	588	589	589
47 Rocky Reach	1289	1290	1147	1109	1180	1225	1187	1180	1180	1180	1289	1289	1289	1289
48 Ross	0	362	394	337	286	385	345	269	183	187	188	246	358	441
49 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
50 Swift 1	263	263	259	0.26	209	187	162	140	140	146	0.23	233	265	268
51 Swift 2	62.1	62.1	64.7	0.10	76.1	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	57.5
52 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
53 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.3	85.2
54 Upper Baker	96.2	96.2	0	60.3	95.1	93.5	89.2	80.0	58.6	0	0	101	103	102
55 Upper Falls	9.80	9.80	9.80	9.80	9.80	9.80	9.80	9.80	9.78	9.40	8.81	8.74	9.26	9.80
56 Wanapum	672	664	661	661	706	669	662	661	661	661	661	674	672	672
57 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
58 Yale	130	131	128	0	121	115	102	94.0	94.0	98.2	98.2	0	133	133
Total Regulated Hydro														
59 Federal Entities	10996	8917	8373	8606	11255	11665	10522	9514	10443	8996	8750	13380	11233	11215
60 Investor Owned Utilities	4287	4221	4055	3734	4226	4265	4408	4262	4250	4085	3997	4464	4593	4546
61 Marketer	898	873	815	799	823	846	872	872	865	843	868	860	882	892

Table A-7: Regional: Regulated Hydro

Operating Year 2015 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
62	Municipality	1713	2092	2158	2054	1977	1931	2014	1829	1724	1690	1670	1805	2302	2150
63	Public Utility District	2299	2298	2194	2101	2233	2199	2224	2216	2164	2131	2185	2267	2305	2297
64	**Total Regulated Hydro**	**20193**	**18400**	**17595**	**17294**	**20514**	**20907**	**20040**	**18693**	**19446**	**17745**	**17469**	**22775**	**21315**	**21100**

Table A-7: Regional: Regulated Hydro

Operating Year 2016 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-5741	-8007	-8131	-7261	-5785	-6111	-7526	-8677	-7432	-8269	-8496	-3835	-6780	-6552
2	Albeni Falls	39.7	42.8	45.3	39.9	30.8	24.8	24.9	25.0	26.0	22.9	29.2	35.8	43.7	46.6
3	Alder	37.1	30.5	0	0	0	4.45	45.0	31.5	28.0	30.3	0	46.6	51.4	52.0
4	Bonneville	833	888	919	859	870	886	921	912	911	942	935	941	953	890
5	Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	914	676
6	Box Canyon Dam	65.2	65.2	64.8	62.8	64.0	63.6	64.5	64.9	64.8	77.9	81.9	77.3	70.3	70.6
7	Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
8	Cabinet Gorge	202	169	169	187	238	238	238	238	238	238	238	238	239	238
9	Chelan Lake	56.6	55.4	55.4	56.0	56.2	16.7	55.6	54.9	54.2	16.3	15.3	15.5	55.8	56.8
10	Chief Joseph	2416	2391	2219	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
11	Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.0	15.2	16.7	19.8	24.1	30.6	34.4
12	Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	88.0	1.98	1.98	1.32	0.99	0.33
13	Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
14	Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
15	Faraday	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	40.8	16.9	-4.53
16	Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
17	Grand Coulee	5056	5098	4508	4571	5141	5226	5421	5267	5140	4532	4460	4312	4819	5118
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	345	289	287	290	313	319	285	236	238	214	230	353	356
20	Ice Harbor	523	509	567	523	533	601	586	620	626	665	654	657	679	578
21	John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
22	Kerr	179	179	179	178	177	176	173	171	172	170	166	172	178	180
23	La Grande	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
24	Libby	484	466	513	467	556	583	483	500	480	469	502	570	578	575
25	Little Falls	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	32.9	32.5	34.9	35.0
26	Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
27	Long Lake	72.0	72.0	72.0	72.0	72.0	72.2	68.6	63.6	63.6	68.2	72.2	72.5	72.5	72.5
28	Lower Baker	66.9	57.0	0	0	0	0	57.1	54.3	54.3	-38.1	-9.33	63.7	70.2	71.4
29	Lower Granite	510	504	575	606	622	697	737	832	843	868	835	853	857	725
30	Lower Monumental	682	746	788	685	744	739	810	861	838	897	916	912	904	801
31	Mayfield	125	125	125	125	125	125	136	125	125	125	125	83.6	125	125
32	McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
33	Merwin	147	146	139	123	114	129	128	113	113	113	124	124	131	149
34	Monroe Street	5.78	5.98	13.3	4.51	5.39	10.3	9.45	5.99	12.6	14.5	14.4	14.3	14.5	11.8
35	Mossyrock	378	378	369	318	282	271	215	134	134	155	202	0	378	378
36	Nine Mile	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	20.6	20.4	21.4	21.5
37	North Fork	32.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	50.2	41.0
38	Noxon Rapids	327	331	395	432	432	440	440	432	416	433	441	552	552	552
39	Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
40	Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
41	Pelton	108	108	108	108	108	108	108	108	108	108	108	108	92.8	89.9
42	Pelton Rereg	10.1	10.1	-4.45	11.1	10.5	9.45	8.70	9.83	10.4	13.1	10.5	11.0	10.7	11.2
43	Post Falls	13.8	15.5	15.5	12.9	15.5	15.5	15.5	15.5	15.5	15.2	13.6	13.3	15.2	15.5
44	Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
45	River Mill	16.7	16.3	16.1	18.5	19.3	19.3	19.3	19.3	19.3	19.3	19.3	17.2	13.5	16.6
46	Rock Island	587	596	582	555	541	569	597	607	619	619	619	588	589	589
47	Rocky Reach	1289	1290	1147	1109	1180	1225	1187	1180	1180	1180	1289	1289	1289	1289
48	Ross	0	362	388	337	286	385	345	269	183	187	188	246	358	441
49	Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
50	Swift 1	263	263	240	0.26	209	187	162	140	140	146	0.23	233	265	268
51	Swift 2	62.1	62.1	71.8	0.10	76.1	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	57.5
52	The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
53	Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.3	85.2
54	Upper Baker	96.2	96.2	96.0	60.3	95.1	93.5	89.2	80.0	58.6	0	0	101	103	102
55	Upper Falls	9.80	9.80	9.73	9.80	9.80	9.80	9.80	9.80	9.78	9.40	8.81	8.74	9.26	9.80
56	Wanapum	672	664	661	661	706	669	662	661	661	661	661	674	672	672
57	Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
58	Yale	130	131	125	0	121	115	102	94.0	94.0	98.2	98.2	0	133	133
	Total Regulated Hydro														
59	Federal Entities	11086	8879	8337	8760	11323	11716	10638	9529	10345	9031	8841	13642	11517	11308
60	Investor Owned Utilities	4287	4221	4135	3734	4226	4265	4408	4262	4250	4085	3997	4464	4593	4546
61	Marketer	898	873	815	799	823	846	872	872	865	843	868	860	882	892

Table A-7: Regional: Regulated Hydro

Operating Year 2016 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
62	Municipality	1728	2106	2156	2054	1977	1931	2014	1829	1724	1690	1670	1805	2302	2150
63	Public Utility District	2299	2297	2191	2101	2233	2199	2224	2216	2164	2131	2185	2267	2305	2297
64	**Total Regulated Hydro**	**20299**	**18376**	**17635**	**17447**	**20581**	**20958**	**20156**	**18708**	**19349**	**17781**	**17559**	**23037**	**21599**	**21193**

Table A-7: Regional: Regulated Hydro

Operating Year 2017 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-5644	-7935	-8032	-7099	-5646	-5940	-7400	-8580	-7328	-8105	-8388	-3966	-6815	-6430
2	Albeni Falls	39.7	42.8	45.3	39.9	30.8	24.8	24.9	25.0	26.0	22.9	29.2	35.8	43.7	46.6
3	Alder	37.1	30.5	0	0	0	4.45	45.0	31.5	28.0	30.3	0	46.6	51.4	52.0
4	Bonneville	833	888	919	859	870	886	921	912	911	942	935	941	953	890
5	Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	914	676
6	Box Canyon Dam	65.2	65.2	64.8	62.8	64.0	63.6	64.5	64.9	64.8	77.9	81.9	77.3	70.3	70.6
7	Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
8	Cabinet Gorge	202	169	169	187	238	238	238	238	238	238	238	238	239	238
9	Chelan Lake	56.6	55.4	55.4	56.0	56.2	16.7	55.6	54.9	54.2	16.3	15.3	15.5	55.8	56.8
10	Chief Joseph	2416	2391	2219	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
11	Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.0	15.2	16.7	19.8	24.1	30.6	34.4
12	Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	88.0	1.98	1.98	1.32	0.99	0.33
13	Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
14	Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
15	Faraday	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	40.8	16.9	-4.53
16	Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
17	Grand Coulee	5056	5098	4508	4571	5141	5226	5421	5267	5140	4532	4460	4312	4819	5118
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	345	289	287	290	313	319	285	236	238	214	230	353	356
20	Ice Harbor	523	509	567	523	533	601	586	620	626	665	654	657	679	578
21	John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
22	Kerr	179	179	179	178	177	176	173	171	172	170	166	172	178	180
23	La Grande	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
24	Libby	484	466	513	467	556	583	483	500	480	469	502	570	578	575
25	Little Falls	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	32.9	32.5	34.9	35.0
26	Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
27	Long Lake	72.0	72.0	72.0	72.0	72.0	72.2	68.6	63.6	63.6	68.2	72.2	72.5	72.5	72.5
28	Lower Baker	66.9	57.0	0	0	0	0	57.1	54.3	54.3	-38.1	-9.33	63.7	70.2	71.4
29	Lower Granite	510	504	575	606	622	697	737	832	843	868	835	853	857	725
30	Lower Monumental	682	746	788	685	744	739	810	861	838	897	916	912	904	801
31	Mayfield	125	125	125	125	125	125	136	125	125	125	125	83.6	125	125
32	McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
33	Merwin	147	146	139	123	114	129	128	113	113	113	124	124	131	149
34	Monroe Street	5.78	5.98	13.3	4.51	5.39	10.3	9.45	5.99	12.6	14.5	14.4	14.3	14.5	11.8
35	Mossyrock	378	378	369	318	282	271	215	134	134	155	202	0	378	378
36	Nine Mile	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	20.6	20.4	21.4	21.5
37	North Fork	32.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	50.2	41.0
38	Noxon Rapids	327	331	395	432	432	440	440	432	416	433	441	552	552	552
39	Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
40	Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
41	Pelton	108	108	108	108	108	108	108	108	108	108	108	108	92.8	89.9
42	Pelton Rereg	10.1	10.1	-4.45	11.1	10.5	9.45	8.70	9.83	10.4	13.1	10.5	11.0	10.7	11.2
43	Post Falls	13.8	15.5	15.5	12.9	15.5	15.5	15.5	15.5	15.5	15.2	13.6	13.3	15.2	15.5
44	Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
45	River Mill	16.7	16.3	16.1	18.5	19.3	19.3	19.3	19.3	19.3	19.3	19.3	17.2	13.5	16.6
46	Rock Island	587	596	582	555	541	569	597	607	619	619	619	588	589	589
47	Rocky Reach	1289	1290	1147	1109	1180	1225	1187	1180	1180	1180	1289	1289	1289	1289
48	Ross	0	362	388	337	286	385	345	269	183	187	188	246	358	441
49	Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
50	Swift 1	263	263	240	0.26	209	187	162	140	140	146	0.23	233	265	268
51	Swift 2	62.1	62.1	71.8	0.10	76.1	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	57.5
52	The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
53	Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.3	85.2
54	Upper Baker	96.2	96.2	96.0	60.3	95.1	93.5	89.2	80.0	58.6	0	0	101	103	102
55	Upper Falls	9.80	9.80	9.73	9.80	9.80	9.80	9.80	9.80	9.78	9.40	8.81	8.74	9.26	9.80
56	Wanapum	672	664	661	661	706	669	662	661	661	661	661	674	672	672
57	Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
58	Yale	130	131	125	0	121	115	102	94.0	94.0	98.2	98.2	0	133	133
	Total Regulated Hydro														
59	Federal Entities	11183	8950	8436	8922	11462	11887	10764	9626	10449	9195	8948	13510	11482	11430
60	Investor Owned Utilities	4287	4221	4135	3734	4226	4265	4408	4262	4250	4085	3997	4464	4593	4546
61	Marketer	898	873	815	799	823	846	872	872	865	843	868	860	882	892

Table A-7: Regional: Regulated Hydro

Operating Year 2017 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
62	Municipality	1728	2106	2156	2054	1977	1931	2014	1829	1724	1690	1670	1805	2302	2150
63	Public Utility District	2299	2297	2191	2101	2233	2199	2224	2216	2164	2131	2185	2267	2305	2297
64	**Total Regulated Hydro**	**20396**	**18448**	**17734**	**17609**	**20721**	**21130**	**20282**	**18805**	**19453**	**17944**	**17667**	**22906**	**21564**	**21315**

Table A-7: Regional: Regulated Hydro

Operating Year 2018 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-5556	-7806	-7912	-7001	-5559	-5780	-7304	-8467	-7209	-7998	-8249	-3693	-6418	-6350
2	Albeni Falls	39.7	42.8	45.3	39.9	30.8	24.8	24.9	25.0	26.0	22.9	29.2	35.8	43.7	46.6
3	Alder	37.1	30.5	0	0	0	4.45	45.0	31.5	28.0	30.3	0	46.6	51.4	52.0
4	Bonneville	833	888	919	859	870	886	921	912	911	942	935	941	953	890
5	Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	914	676
6	Box Canyon Dam	65.2	65.2	64.8	62.8	64.0	63.6	64.5	64.9	64.8	77.9	81.9	77.3	70.3	70.6
7	Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
8	Cabinet Gorge	202	169	169	187	238	238	238	238	238	238	238	238	239	238
9	Chelan Lake	56.6	55.4	55.4	56.0	56.2	16.7	55.6	54.9	54.2	16.3	15.3	15.5	55.8	56.8
10	Chief Joseph	2416	2391	2219	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
11	Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.0	15.2	16.7	19.8	24.1	30.6	34.4
12	Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	88.0	1.98	1.98	1.32	0.99	0.33
13	Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
14	Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
15	Faraday	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	40.8	16.9	-4.53
16	Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
17	Grand Coulee	5056	5098	4508	4571	5141	5226	5421	5267	5140	4532	4460	4312	4819	5118
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	345	289	287	290	313	319	285	236	238	214	230	353	356
20	Ice Harbor	523	509	567	523	533	601	586	620	626	665	654	657	679	578
21	John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
22	Kerr	179	179	179	178	177	176	173	171	172	170	166	172	178	180
23	La Grande	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
24	Libby	484	466	513	467	556	583	483	500	480	469	502	570	578	575
25	Little Falls	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	32.9	32.5	34.9	35.0
26	Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
27	Long Lake	72.0	72.0	72.0	72.0	72.0	72.2	68.6	63.6	63.6	68.2	72.2	72.5	72.5	72.5
28	Lower Baker	66.9	57.0	0	0	0	0	57.1	54.3	54.3	-38.1	-9.33	63.7	70.2	71.4
29	Lower Granite	510	504	575	606	622	697	737	832	843	868	835	853	857	725
30	Lower Monumental	682	746	788	685	744	739	810	861	838	897	916	912	904	801
31	Mayfield	125	125	125	125	125	125	136	125	125	125	125	83.6	125	125
32	McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
33	Merwin	147	146	139	123	114	129	128	113	113	113	124	124	131	149
34	Monroe Street	5.78	5.98	13.3	4.51	5.39	10.3	9.45	5.99	12.6	14.5	14.4	14.3	14.5	11.8
35	Mossyrock	378	378	369	318	282	271	215	134	134	155	202	0	378	378
36	Nine Mile	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	20.6	20.4	21.4	21.5
37	North Fork	32.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	50.2	41.0
38	Noxon Rapids	327	331	395	432	432	440	440	432	416	433	441	552	552	552
39	Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
40	Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
41	Pelton	108	108	108	108	108	108	108	108	108	108	108	108	92.8	89.9
42	Pelton Rereg	10.1	10.1	-4.45	11.1	10.5	9.45	8.70	9.83	10.4	13.1	10.5	11.0	10.7	11.2
43	Post Falls	13.8	15.5	15.5	12.9	15.5	15.5	15.5	15.5	15.5	15.2	13.6	13.3	15.2	15.5
44	Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
45	River Mill	16.7	16.3	16.1	18.5	19.3	19.3	19.3	19.3	19.3	19.3	19.3	17.2	13.5	16.6
46	Rock Island	587	596	582	555	541	569	597	607	619	619	619	588	589	589
47	Rocky Reach	1289	1290	1147	1109	1180	1225	1187	1180	1180	1180	1289	1289	1289	1289
48	Ross	0	362	388	337	286	385	345	269	183	187	188	246	358	441
49	Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
50	Swift 1	263	263	240	0.26	209	187	162	140	140	146	0.23	233	265	268
51	Swift 2	62.1	62.1	71.8	0.10	76.1	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	57.5
52	The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
53	Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.3	85.2
54	Upper Baker	96.2	96.2	96.0	60.3	95.1	93.5	89.2	80.0	58.6	0	0	101	103	102
55	Upper Falls	9.80	9.80	9.73	9.80	9.80	9.80	9.80	9.80	9.78	9.40	8.81	8.74	9.26	9.80
56	Wanapum	672	664	661	661	706	669	662	661	661	661	661	674	672	672
57	Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
58	Yale	130	131	125	0	121	115	102	94.0	94.0	98.2	98.2	0	133	133
	Total Regulated Hydro														
59	Federal Entities	11271	9080	8556	9020	11548	12046	10860	9739	10569	9303	9088	13783	11879	11510
60	Investor Owned Utilities	4287	4221	4135	3734	4226	4265	4408	4262	4250	4085	3997	4464	4593	4546
61	Marketer	898	873	815	799	823	846	872	872	865	843	868	860	882	892

Table A-7: Regional: Regulated Hydro

Operating Year 2018 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
62	Municipality	1728	2106	2156	2054	1977	1931	2014	1829	1724	1690	1670	1805	2302	2150
63	Public Utility District	2299	2297	2191	2101	2233	2199	2224	2216	2164	2131	2185	2267	2305	2297
64	**Total Regulated Hydro**	**20484**	**18577**	**17854**	**17708**	**20807**	**21289**	**20378**	**18918**	**19572**	**18052**	**17806**	**23179**	**21961**	**21395**

Table A-7: Regional: Regulated Hydro

Operating Year 2019 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-5461	-7716	-7779	-6943	-5468	-5660	-7213	-8342	-7108	-7932	-8174	-3826	-6578	-6317
2	Albeni Falls	39.7	42.8	45.3	39.9	30.8	24.8	24.9	25.0	26.0	22.9	29.2	35.8	43.7	46.6
3	Alder	37.1	30.5	0	0	0	4.45	45.0	31.5	28.0	30.3	0	46.6	51.4	52.0
4	Bonneville	833	888	919	859	870	886	921	912	911	942	935	941	953	890
5	Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	914	676
6	Box Canyon Dam	65.2	65.2	64.8	62.8	64.0	63.6	64.5	64.9	64.8	77.9	81.9	77.3	70.3	70.6
7	Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
8	Cabinet Gorge	202	169	169	187	238	238	238	238	238	238	238	238	239	238
9	Chelan Lake	56.6	55.4	55.4	56.0	56.2	16.7	55.6	54.9	54.2	16.3	15.3	15.5	55.8	56.8
10	Chief Joseph	2416	2391	2219	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
11	Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.0	15.2	16.7	19.8	24.1	30.6	34.4
12	Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	88.0	1.98	1.98	1.32	0.99	0.33
13	Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
14	Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
15	Faraday	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	40.8	16.9	-4.53
16	Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
17	Grand Coulee	5056	5098	4508	4571	5141	5226	5421	5267	5140	4532	4460	4312	4819	5118
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	345	289	287	290	313	319	285	236	238	214	230	353	356
20	Ice Harbor	523	509	567	523	533	601	586	620	626	665	654	657	679	578
21	John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
22	Kerr	179	179	179	178	177	176	173	171	172	170	166	172	178	180
23	La Grande	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
24	Libby	484	466	513	467	556	583	483	500	480	469	502	570	578	575
25	Little Falls	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	32.9	32.5	34.9	35.0
26	Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
27	Long Lake	72.0	72.0	72.0	72.0	72.0	72.2	68.6	63.6	63.6	68.2	72.2	72.5	72.5	72.5
28	Lower Baker	66.9	57.0	0	0	0	0	57.1	54.3	54.3	-38.1	-9.33	63.7	70.2	71.4
29	Lower Granite	510	504	575	606	622	697	737	832	843	868	835	853	857	725
30	Lower Monumental	682	746	788	685	744	739	810	861	838	897	916	912	904	801
31	Mayfield	125	125	125	125	125	125	136	125	125	125	125	83.6	125	125
32	McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
33	Merwin	147	146	139	123	114	129	128	113	113	113	124	124	131	149
34	Monroe Street	5.78	5.98	13.3	4.51	5.39	10.3	9.45	5.99	12.6	14.5	14.4	14.3	14.5	11.8
35	Mossyrock	378	378	369	318	282	271	215	134	134	155	202	0	378	378
36	Nine Mile	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	20.6	20.4	21.4	21.5
37	North Fork	32.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	50.2	41.0
38	Noxon Rapids	327	331	395	432	432	440	440	432	416	433	441	552	552	552
39	Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
40	Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
41	Pelton	108	108	108	108	108	108	108	108	108	108	108	108	92.8	89.9
42	Pelton Rereg	10.1	10.1	-4.45	11.1	10.5	9.45	8.70	9.83	10.4	13.1	10.5	11.0	10.7	11.2
43	Post Falls	13.8	15.5	15.5	12.9	15.5	15.5	15.5	15.5	15.5	15.2	13.6	13.3	15.2	15.5
44	Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
45	River Mill	16.7	16.3	16.1	18.5	19.3	19.3	19.3	19.3	19.3	19.3	19.3	17.2	13.5	16.6
46	Rock Island	587	596	582	555	541	569	597	607	619	619	619	588	589	589
47	Rocky Reach	1289	1290	1147	1109	1180	1225	1187	1180	1180	1180	1289	1289	1289	1289
48	Ross	0	362	388	337	286	385	345	269	183	187	188	246	358	441
49	Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
50	Swift 1	263	263	240	0.26	209	187	162	140	140	146	0.23	233	265	268
51	Swift 2	62.1	62.1	71.8	0.10	76.1	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	57.5
52	The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
53	Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.3	85.2
54	Upper Baker	96.2	96.2	96.0	60.3	95.1	93.5	89.2	80.0	58.6	0	0	101	103	102
55	Upper Falls	9.80	9.80	9.73	9.80	9.80	9.80	9.80	9.80	9.78	9.40	8.81	8.74	9.26	9.80
56	Wanapum	672	664	661	661	706	669	662	661	661	661	661	674	672	672
57	Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
58	Yale	130	131	125	0	121	115	102	94.0	94.0	98.2	98.2	0	133	133
	Total Regulated Hydro														
59	Federal Entities	11366	9170	8689	9078	11639	12167	10951	9864	10669	9369	9163	13650	11719	11543
60	Investor Owned Utilities	4287	4221	3709	3275	3767	3807	3950	3807	3833	3665	3558	4005	4134	4101
61	Marketer	898	873	815	799	823	846	872	872	865	843	868	860	882	892

Table A-7: Regional: Regulated Hydro

Operating Year 2019 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
62	Municipality	1728	2106	2156	2054	1977	1931	2014	1829	1724	1690	1670	1805	2302	2150
63	Public Utility District	2299	2297	2618	2559	2692	2658	2683	2671	2582	2552	2623	2726	2764	2742
64	**Total Regulated Hydro**	**20579**	**18667**	**17987**	**17765**	**20898**	**21410**	**20469**	**19043**	**19673**	**18118**	**17881**	**23046**	**21802**	**21428**

Table A-7: Regional: Regulated Hydro

Operating Year 2020 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Idle Capacity Adjustment	-5432	-7671	-7739	-6947	-5443	-5637	-7187	-8326	-7068	-7937	-8179	-3599	-6396	-6304
2 Albeni Falls	39.7	42.8	45.3	39.9	30.8	24.8	24.9	25.0	26.0	22.9	29.2	35.8	43.7	46.6
3 Alder	37.1	30.5	0	0	0	4.45	45.0	31.5	28.0	30.3	0	46.6	51.4	52.0
4 Bonneville	833	888	919	859	870	886	921	912	911	942	935	941	953	890
5 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	914	676
6 Box Canyon Dam	65.2	65.2	64.8	62.8	64.0	63.6	64.5	64.9	64.8	77.9	81.9	77.3	70.3	70.6
7 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
8 Cabinet Gorge	202	169	169	187	238	238	238	238	238	238	238	238	239	238
9 Chelan Lake	56.6	55.4	55.4	56.0	56.2	16.7	55.6	54.9	54.2	16.3	15.3	15.5	55.8	56.8
10 Chief Joseph	2416	2391	2219	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
11 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.0	15.2	16.7	19.8	24.1	30.6	34.4
12 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	88.0	1.98	1.98	1.32	0.99	0.33
13 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
14 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
15 Faraday	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	40.8	16.9	-4.53
16 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
17 Grand Coulee	5056	5098	4508	4571	5141	5226	5421	5267	5140	4532	4460	4312	4819	5118
18 Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19 Hungry Horse	351	345	289	287	290	313	319	285	236	238	214	230	353	356
20 Ice Harbor	523	509	567	523	533	601	586	620	626	665	654	657	679	578
21 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
22 Kerr	179	179	179	178	177	176	173	171	172	170	166	172	178	180
23 La Grande	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
24 Libby	484	466	513	467	556	583	483	500	480	469	502	570	578	575
25 Little Falls	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	32.9	32.5	34.9	35.0
26 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
27 Long Lake	72.0	72.0	72.0	72.0	72.0	72.2	68.6	63.6	63.6	68.2	72.2	72.5	72.5	72.5
28 Lower Baker	66.9	57.0	0	0	0	0	57.1	54.3	54.3	-38.1	-9.33	63.7	70.2	71.4
29 Lower Granite	510	504	575	606	622	697	737	832	843	868	835	853	857	725
30 Lower Monumental	682	746	788	685	744	739	810	861	838	897	916	912	904	801
31 Mayfield	125	125	125	125	125	125	136	125	125	125	125	83.6	125	125
32 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
33 Merwin	147	146	139	123	114	129	128	113	113	113	124	124	131	149
34 Monroe Street	5.78	5.98	13.3	4.51	5.39	10.3	9.45	5.99	12.6	14.5	14.4	14.3	14.5	11.8
35 Mossyrock	378	378	369	318	282	271	215	134	134	155	202	0	378	378
36 Nine Mile	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	20.6	20.4	21.4	21.5
37 North Fork	32.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	50.2	41.0
38 Noxon Rapids	327	331	395	432	432	440	440	432	416	433	441	552	552	552
39 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
40 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
41 Pelton	108	108	108	108	108	108	108	108	108	108	108	108	92.8	89.9
42 Pelton Rereg	10.1	10.1	-4.45	11.1	10.5	9.45	8.70	9.83	10.4	13.1	10.5	11.0	10.7	11.2
43 Post Falls	13.8	15.5	15.5	12.9	15.5	15.5	15.5	15.5	15.5	15.2	13.6	13.3	15.2	15.5
44 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
45 River Mill	16.7	16.3	16.1	18.5	19.3	19.3	19.3	19.3	19.3	19.3	19.3	17.2	13.5	16.6
46 Rock Island	587	596	582	555	541	569	597	607	619	619	619	588	589	589
47 Rocky Reach	1289	1290	1147	1109	1180	1225	1187	1180	1180	1180	1289	1289	1289	1289
48 Ross	0	362	388	337	286	385	345	269	183	187	188	246	358	441
49 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
50 Swift 1	263	263	240	0.26	209	187	162	140	140	146	0.23	233	265	268
51 Swift 2	62.1	62.1	71.8	0.10	76.1	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	57.5
52 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
53 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.3	85.2
54 Upper Baker	96.2	96.2	96.0	60.3	95.1	93.5	89.2	80.0	58.6	0	0	101	103	102
55 Upper Falls	9.80	9.80	9.73	9.80	9.80	9.80	9.80	9.80	9.78	9.40	8.81	8.74	9.26	9.80
56 Wanapum	672	664	661	661	706	669	662	661	661	661	661	674	672	672
57 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
58 Yale	130	131	125	0	121	115	102	94.0	94.0	98.2	98.2	0	133	133
Total Regulated Hydro														
59 Federal Entities	11395	9214	8728	9075	11664	12190	10977	9880	10709	9363	9158	13877	11901	11555
60 Investor Owned Utilities	3828	3762	3709	3275	3767	3807	3950	3807	3833	3665	3558	4005	4134	4101
61 Marketer	898	873	815	799	823	846	872	872	865	843	868	860	882	892

Table A-7: Regional: Regulated Hydro

Operating Year 2020 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
62	Municipality	1728	2106	2156	2054	1977	1931	2014	1829	1724	1690	1670	1805	2302	2150
63	Public Utility District	2758	2756	2618	2559	2692	2658	2683	2671	2582	2552	2623	2726	2764	2742
64	**Total Regulated Hydro**	**20608**	**18712**	**18027**	**17762**	**20923**	**21432**	**20495**	**19059**	**19713**	**18113**	**17876**	**23273**	**21984**	**21441**

Table A-7: Regional: Regulated Hydro

Operating Year 2021 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Idle Capacity Adjustment	-5418	-7620	-7783	-6929	-5411	-5706	-7093	-8345	-7112	-7940	-8188	-3644	-6529	-6347
2 Albeni Falls	39.7	42.8	45.3	39.9	30.8	24.8	24.9	25.0	26.0	22.9	29.2	35.8	43.7	46.6
3 Alder	37.1	30.5	0	0	0	4.45	45.0	31.5	28.0	30.3	0	46.6	51.4	52.0
4 Bonneville	833	888	919	859	870	886	921	912	911	942	935	941	953	890
5 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	914	676
6 Box Canyon Dam	65.2	65.2	64.8	62.8	64.0	63.6	64.5	64.9	64.8	77.9	81.9	77.3	70.3	70.6
7 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
8 Cabinet Gorge	202	169	169	187	238	238	238	238	238	238	238	238	239	238
9 Chelan Lake	56.6	55.4	55.4	56.0	56.2	16.7	55.6	54.9	54.2	16.3	15.3	15.5	55.8	56.8
10 Chief Joseph	2416	2391	2219	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
11 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.0	15.2	16.7	19.8	24.1	30.6	34.4
12 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	88.0	1.98	1.98	1.32	0.99	0.33
13 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
14 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
15 Faraday	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	40.8	16.9	-4.53
16 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
17 Grand Coulee	5056	5098	4508	4571	5141	5226	5421	5267	5140	4532	4460	4312	4819	5118
18 Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19 Hungry Horse	351	345	289	287	290	313	319	285	236	238	214	230	353	356
20 Ice Harbor	523	509	567	523	533	601	586	620	626	665	654	657	679	578
21 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
22 Kerr	179	179	179	178	177	176	173	171	172	170	166	172	178	180
23 La Grande	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
24 Libby	484	466	513	467	556	583	483	500	480	469	502	570	578	575
25 Little Falls	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	32.9	32.5	34.9	35.0
26 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
27 Long Lake	72.0	72.0	72.0	72.0	72.0	72.2	68.6	63.6	63.6	68.2	72.2	72.5	72.5	72.5
28 Lower Baker	66.9	57.0	0	0	0	0	57.1	54.3	54.3	-38.1	-9.33	63.7	70.2	71.4
29 Lower Granite	510	504	575	606	622	697	737	832	843	868	835	853	857	725
30 Lower Monumental	682	746	788	685	744	739	810	861	838	897	916	912	904	801
31 Mayfield	125	125	125	125	125	125	136	125	125	125	125	83.6	125	125
32 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
33 Merwin	147	146	139	123	114	129	128	113	113	113	124	124	131	149
34 Monroe Street	5.78	5.98	13.3	4.51	5.39	10.3	9.45	5.99	12.6	14.5	14.4	14.3	14.5	11.8
35 Mossyrock	378	378	369	318	282	271	215	134	134	155	202	0	378	378
36 Nine Mile	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	20.6	20.4	21.4	21.5
37 North Fork	32.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	50.2	41.0
38 Noxon Rapids	327	331	395	432	432	440	440	432	416	433	441	552	552	552
39 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
40 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
41 Pelton	108	108	108	108	108	108	108	108	108	108	108	108	92.8	89.9
42 Pelton Rereg	10.1	10.1	-4.45	11.1	10.5	9.45	8.70	9.83	10.4	13.1	10.5	11.0	10.7	11.2
43 Post Falls	13.8	15.5	15.5	12.9	15.5	15.5	15.5	15.5	15.5	15.2	13.6	13.3	15.2	15.5
44 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
45 River Mill	16.7	16.3	16.1	18.5	19.3	19.3	19.3	19.3	19.3	19.3	19.3	17.2	13.5	16.6
46 Rock Island	587	596	582	555	541	569	597	607	619	619	619	588	589	589
47 Rocky Reach	1289	1290	1147	1109	1180	1225	1187	1180	1180	1180	1289	1289	1289	1289
48 Ross	0	362	388	337	286	385	345	269	183	187	188	246	358	441
49 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
50 Swift 1	263	263	240	0.26	209	187	162	140	140	146	0.23	233	265	268
51 Swift 2	62.1	62.1	71.8	0.10	76.1	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	57.5
52 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
53 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.3	85.2
54 Upper Baker	96.2	96.2	96.0	60.3	95.1	93.5	89.2	80.0	58.6	0	0	101	103	102
55 Upper Falls	9.80	9.80	9.73	9.80	9.80	9.80	9.80	9.80	9.78	9.40	8.81	8.74	9.26	9.80
56 Wanapum	672	664	661	661	706	669	662	661	661	661	661	674	672	672
57 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
58 Yale	130	131	125	0	121	115	102	94.0	94.0	98.2	98.2	0	133	133
Total Regulated Hydro														
59 Federal Entities	11409	9266	8685	9092	11696	12121	11070	9861	10666	9361	9149	13833	11768	11513
60 Investor Owned Utilities	3828	3762	3709	3275	3767	3807	3950	3807	3833	3665	3558	4005	4134	4101
61 Marketer	898	873	815	799	823	846	872	872	865	843	868	860	882	892

Table A-7: Regional: Regulated Hydro

Operating Year 2021 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
62	Municipality	1728	2106	2156	2054	1977	1931	2014	1829	1724	1690	1670	1805	2302	2150
63	Public Utility District	2758	2756	2618	2559	2692	2658	2683	2671	2582	2552	2623	2726	2764	2742
64	**Total Regulated Hydro**	**20622**	**18763**	**17983**	**17779**	**20955**	**21364**	**20589**	**19040**	**19669**	**18110**	**17867**	**23228**	**21851**	**21398**

Table A-7: Regional: Regulated Hydro

Operating Year 2022 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Idle Capacity Adjustment	-5446	-7640	-7796	-6963	-5459	-5652	-7203	-8340	-7085	-7954	-8195	-3593	-6412	-6320
2 Albeni Falls	39.7	42.8	45.3	39.9	30.8	24.8	24.9	25.0	26.0	22.9	29.2	35.8	43.7	46.6
3 Alder	37.1	30.5	0	0	0	4.45	45.0	31.5	28.0	30.3	0	46.6	51.4	52.0
4 Bonneville	833	888	919	859	870	886	921	912	911	942	935	941	953	890
5 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	914	676
6 Box Canyon Dam	65.2	65.2	64.8	62.8	64.0	63.6	64.5	64.9	64.8	77.9	81.9	77.3	70.3	70.6
7 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
8 Cabinet Gorge	202	169	169	187	238	238	238	238	238	238	238	238	239	238
9 Chelan Lake	56.6	55.4	55.4	56.0	56.2	16.7	55.6	54.9	54.2	16.3	15.3	15.5	55.8	56.8
10 Chief Joseph	2416	2391	2219	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
11 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.0	15.2	16.7	19.8	24.1	30.6	34.4
12 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	88.0	1.98	1.98	1.32	0.99	0.33
13 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
14 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
15 Faraday	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	40.8	16.9	-4.53
16 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
17 Grand Coulee	5056	5098	4508	4571	5141	5226	5421	5267	5140	4532	4460	4312	4819	5118
18 Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19 Hungry Horse	351	345	289	287	290	313	319	285	236	238	214	230	353	356
20 Ice Harbor	523	509	567	523	533	601	586	620	626	665	654	657	679	578
21 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
22 Kerr	179	179	179	178	177	176	173	171	172	170	166	172	178	180
23 La Grande	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
24 Libby	484	466	513	467	556	583	483	500	480	469	502	570	578	575
25 Little Falls	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	32.9	32.5	34.9	35.0
26 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
27 Long Lake	72.0	72.0	72.0	72.0	72.0	72.2	68.6	63.6	63.6	68.2	72.2	72.5	72.5	72.5
28 Lower Baker	66.9	57.0	0	0	0	0	57.1	54.3	54.3	-38.1	-9.33	63.7	70.2	71.4
29 Lower Granite	510	504	575	606	622	697	737	832	843	868	835	853	857	725
30 Lower Monumental	682	746	788	685	744	739	810	861	838	897	916	912	904	801
31 Mayfield	125	125	125	125	125	125	136	125	125	125	125	83.6	125	125
32 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
33 Merwin	147	146	139	123	114	129	128	113	113	113	124	124	131	149
34 Monroe Street	5.78	5.98	13.3	4.51	5.39	10.3	9.45	5.99	12.6	14.5	14.4	14.3	14.5	11.8
35 Mossyrock	378	378	369	318	282	271	215	134	134	155	202	0	378	378
36 Nine Mile	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	20.6	20.4	21.4	21.5
37 North Fork	32.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	50.2	41.0
38 Noxon Rapids	327	331	395	432	432	440	440	432	416	433	441	552	552	552
39 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
40 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
41 Pelton	108	108	108	108	108	108	108	108	108	108	108	108	92.8	89.9
42 Pelton Rereg	10.1	10.1	-4.45	11.1	10.5	9.45	8.70	9.83	10.4	13.1	10.5	11.0	10.7	11.2
43 Post Falls	13.8	15.5	15.5	12.9	15.5	15.5	15.5	15.5	15.5	15.2	13.6	13.3	15.2	15.5
44 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
45 River Mill	16.7	16.3	16.1	18.5	19.3	19.3	19.3	19.3	19.3	19.3	19.3	17.2	13.5	16.6
46 Rock Island	587	596	582	555	541	569	597	607	619	619	619	588	589	589
47 Rocky Reach	1289	1290	1147	1109	1180	1225	1187	1180	1180	1180	1289	1289	1289	1289
48 Ross	0	362	388	337	286	385	345	269	183	187	188	246	358	441
49 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
50 Swift 1	263	263	240	0.26	209	187	162	140	140	146	0.23	233	265	268
51 Swift 2	62.1	62.1	71.8	0.10	76.1	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	57.5
52 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
53 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.3	85.2
54 Upper Baker	96.2	96.2	96.0	60.3	95.1	93.5	89.2	80.0	58.6	0	0	101	103	102
55 Upper Falls	9.80	9.80	9.73	9.80	9.80	9.80	9.80	9.80	9.78	9.40	8.81	8.74	9.26	9.80
56 Wanapum	672	664	661	661	706	669	662	661	661	661	661	674	672	672
57 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
58 Yale	130	131	125	0	121	115	102	94.0	94.0	98.2	98.2	0	133	133
Total Regulated Hydro														
59 Federal Entities	11382	9245	8672	9059	11648	12175	10961	9866	10693	9347	9141	13883	11885	11539
60 Investor Owned Utilities	3828	3762	3709	3275	3767	3807	3950	3807	3833	3665	3558	4005	4134	4101
61 Marketer	898	873	815	799	823	846	872	872	865	843	868	860	882	892

Table A-7: Regional: Regulated Hydro

Operating Year 2022 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
62	Municipality	1728	2106	2156	2054	1977	1931	2014	1829	1724	1690	1670	1805	2302	2150
63	Public Utility District	2758	2756	2618	2559	2692	2658	2683	2671	2582	2552	2623	2726	2764	2742
64	**Total Regulated Hydro**	**20594**	**18743**	**17970**	**17746**	**20907**	**21417**	**20479**	**19045**	**19696**	**18096**	**17860**	**23279**	**21968**	**21425**

Table A-7: Regional: Regulated Hydro

Operating Year 2023 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Idle Capacity Adjustment	-5433	-7635	-7799	-6946	-5427	-5701	-7088	-8341	-7107	-7955	-8203	-3619	-6524	-6342
2 Albeni Falls	39.7	42.8	45.3	39.9	30.8	24.8	24.9	25.0	26.0	22.9	29.2	35.8	43.7	46.6
3 Alder	37.1	30.5	0	0	0	4.45	45.0	31.5	28.0	30.3	0	46.6	51.4	52.0
4 Bonneville	833	888	919	859	870	886	921	912	911	942	935	941	953	890
5 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	914	676
6 Box Canyon Dam	65.2	65.2	64.8	62.8	64.0	63.6	64.5	64.9	64.8	77.9	81.9	77.3	70.3	70.6
7 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
8 Cabinet Gorge	202	169	169	187	238	238	238	238	238	238	238	238	239	238
9 Chelan Lake	56.6	55.4	55.4	56.0	56.2	16.7	55.6	54.9	54.2	16.3	15.3	15.5	55.8	56.8
10 Chief Joseph	2416	2391	2219	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
11 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.0	15.2	16.7	19.8	24.1	30.6	34.4
12 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	88.0	1.98	1.98	1.32	0.99	0.33
13 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
14 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
15 Faraday	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	40.8	16.9	-4.53
16 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
17 Grand Coulee	5056	5098	4508	4571	5141	5226	5421	5267	5140	4532	4460	4312	4819	5118
18 Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19 Hungry Horse	351	345	289	287	290	313	319	285	236	238	214	230	353	356
20 Ice Harbor	523	509	567	523	533	601	586	620	626	665	654	657	679	578
21 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
22 Kerr	179	179	179	178	177	176	173	171	172	170	166	172	178	180
23 La Grande	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
24 Libby	484	466	513	467	556	583	483	500	480	469	502	570	578	575
25 Little Falls	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	32.9	32.5	34.9	35.0
26 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
27 Long Lake	72.0	72.0	72.0	72.0	72.0	72.2	68.6	63.6	63.6	68.2	72.2	72.5	72.5	72.5
28 Lower Baker	66.9	57.0	0	0	0	0	57.1	54.3	54.3	-38.1	-9.33	63.7	70.2	71.4
29 Lower Granite	510	504	575	606	622	697	737	832	843	868	835	853	857	725
30 Lower Monumental	682	746	788	685	744	739	810	861	838	897	916	912	904	801
31 Mayfield	125	125	125	125	125	125	136	125	125	125	125	83.6	125	125
32 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
33 Merwin	147	146	139	123	114	129	128	113	113	113	124	124	131	149
34 Monroe Street	5.78	5.98	13.3	4.51	5.39	10.3	9.45	5.99	12.6	14.5	14.4	14.3	14.5	11.8
35 Mossyrock	378	378	369	318	282	271	215	134	134	155	202	0	378	378
36 Nine Mile	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	20.6	20.4	21.4	21.5
37 North Fork	32.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	50.2	41.0
38 Noxon Rapids	327	331	395	432	432	440	440	432	416	433	441	552	552	552
39 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
40 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
41 Pelton	108	108	108	108	108	108	108	108	108	108	108	108	92.8	89.9
42 Pelton Rereg	10.1	10.1	-4.45	11.1	10.5	9.45	8.70	9.83	10.4	13.1	10.5	11.0	10.7	11.2
43 Post Falls	13.8	15.5	15.5	12.9	15.5	15.5	15.5	15.5	15.5	15.2	13.6	13.3	15.2	15.5
44 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
45 River Mill	16.7	16.3	16.1	18.5	19.3	19.3	19.3	19.3	19.3	19.3	19.3	17.2	13.5	16.6
46 Rock Island	587	596	582	555	541	569	597	607	619	619	619	588	589	589
47 Rocky Reach	1289	1290	1147	1109	1180	1225	1187	1180	1180	1180	1289	1289	1289	1289
48 Ross	0	362	388	337	286	385	345	269	183	187	188	246	358	441
49 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
50 Swift 1	263	263	240	0.26	209	187	162	140	140	146	0.23	233	265	268
51 Swift 2	62.1	62.1	71.8	0.10	76.1	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	57.5
52 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
53 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.3	85.2
54 Upper Baker	96.2	96.2	96.0	60.3	95.1	93.5	89.2	80.0	58.6	0	0	101	103	102
55 Upper Falls	9.80	9.80	9.73	9.80	9.80	9.80	9.80	9.80	9.78	9.40	8.81	8.74	9.26	9.80
56 Wanapum	672	664	661	661	706	669	662	661	661	661	661	674	672	672
57 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
58 Yale	130	131	125	0	121	115	102	94.0	94.0	98.2	98.2	0	133	133
Total Regulated Hydro														
59 Federal Entities	11394	9251	8668	9076	11680	12125	11076	9865	10670	9345	9133	13858	11773	11518
60 Investor Owned Utilities	3828	3762	3709	3275	3767	3807	3950	3807	3833	3665	3558	4005	4134	4101
61 Marketer	898	873	815	799	823	846	872	872	865	843	868	860	882	892

Table A-7: Regional: Regulated Hydro

Operating Year 2023 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
62	Municipality	1728	2106	2156	2054	1977	1931	2014	1829	1724	1690	1670	1805	2302	2150
63	Public Utility District	2758	2756	2618	2559	2692	2658	2683	2671	2582	2552	2623	2726	2764	2742
64	**Total Regulated Hydro**	**20607**	**18748**	**17967**	**17763**	**20939**	**21368**	**20594**	**19044**	**19674**	**18095**	**17852**	**23253**	**21855**	**21403**

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Exhibit 16
Table A-8: Regional Independent Hydro

Monthly 120-Hour Capacity
Operating Year 2014 to 2023
Using 1937-Water Conditions

Table A-8: Regional: Independent Hydro

Operating Year 2014 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Independent Hydro														
1	American Falls	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9
2	Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3	Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4	Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5	Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6	Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7	Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8	Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9	Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10	Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11	Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12	Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13	Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14	Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15	Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16	CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17	Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18	Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
19	Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20	Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21	Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22	Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23	Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24	Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25	Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26	Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27	Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28	Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29	Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
30	Hellroaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19
31	Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
32	Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33	Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34	Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35	Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36	Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37	Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38	Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39	John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0
40	Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41	Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43	Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44	Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45	Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46	Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47	McNary Fishway	9.01	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
48	Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49	Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50	Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51	Movie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52	Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53	North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54	Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55	Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56	Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57	Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58	Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
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	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9

Table A-8: Regional: Independent Hydro

Operating Year 2014 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	469	464	539	416	395	276	246	219	364	606	618	760	799	517
86	Investor Owned Utilities	764	761	773	816	795	820	795	815	820	870	874	848	839	771
87	Municipality	129	137	134	149	145	167	167	177	189	179	179	235	251	191
88	Public Utility District	139	138	127	125	125	123	123	27.1	125	125	125	137	137	138
89	**Total Independent Hydro**	**1508**	**1507**	**1579**	**1511**	**1464**	**1391**	**1335**	**1245**	**1504**	**1789**	**1805**	**1990**	**2038**	**1627**

Table A-8: Regional: Independent Hydro

Operating Year 2015 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Independent Hydro														
1	American Falls	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9
2	Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3	Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4	Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5	Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6	Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7	Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8	Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9	Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10	Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11	Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12	Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13	Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14	Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15	Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16	CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17	Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18	Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
19	Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20	Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21	Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22	Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23	Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24	Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25	Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26	Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27	Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28	Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29	Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
30	Hellroaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19
31	Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
32	Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33	Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34	Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35	Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36	Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37	Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38	Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39	John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0
40	Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41	Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43	Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44	Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45	Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46	Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47	McNary Fishway	9.01	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
48	Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49	Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50	Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51	Movie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52	Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53	North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54	Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55	Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56	Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57	Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58	Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
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	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9

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S104-WB-20121129-173308 Continued

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	469	464	539	416	395	276	246	219	364	606	618	760	799	517
86	Investor Owned Utilities	764	761	773	816	795	820	795	815	820	870	874	848	839	771
87	Municipality	129	137	134	149	145	167	167	177	189	179	179	235	251	191
88	Public Utility District	139	138	127	125	125	123	123	27.1	125	125	125	137	137	138
89	**Total Independent Hydro**	**1508**	**1507**	**1579**	**1511**	**1464**	**1391**	**1335**	**1245**	**1504**	**1789**	**1805**	**1990**	**2038**	**1627**

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Operating Year 2016 Water Year: 1937

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	Independent Hydro														
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2	Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3	Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4	Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5	Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6	Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7	Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8	Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9	Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10	Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11	Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12	Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13	Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14	Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15	Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16	CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17	Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18	Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
19	Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20	Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21	Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22	Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23	Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24	Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25	Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26	Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27	Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28	Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29	Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
30	Hellroaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19
31	Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
32	Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33	Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34	Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35	Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36	Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37	Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38	Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39	John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0
40	Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41	Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43	Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44	Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45	Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46	Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47	McNary Fishway	9.01	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
48	Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49	Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50	Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51	Movie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52	Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53	North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54	Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55	Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56	Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57	Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58	Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
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	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9

Table A-8: Regional: Independent Hydro

Operating Year 2016 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	469	464	539	416	395	276	246	219	364	606	618	760	799	517
86	Investor Owned Utilities	764	761	773	816	795	820	795	815	820	870	874	848	839	771
87	Municipality	129	137	134	149	145	167	167	177	189	179	179	235	251	191
88	Public Utility District	139	138	127	125	125	123	123	27.1	125	125	125	137	137	138
89	**Total Independent Hydro**	**1508**	**1507**	**1579**	**1511**	**1464**	**1391**	**1335**	**1245**	**1504**	**1789**	**1805**	**1990**	**2038**	**1627**

Table A-8: Regional: Independent Hydro

Operating Year 2017 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Independent Hydro														
1	American Falls	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9
2	Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3	Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4	Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5	Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6	Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7	Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8	Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9	Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10	Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11	Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12	Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13	Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14	Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15	Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16	CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17	Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18	Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
19	Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20	Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21	Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22	Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23	Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24	Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25	Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26	Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27	Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28	Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29	Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
30	Hellroaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19
31	Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
32	Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33	Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34	Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35	Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36	Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37	Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38	Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39	John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0
40	Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41	Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43	Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44	Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45	Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46	Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47	McNary Fishway	9.01	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
48	Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49	Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50	Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51	Movie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52	Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53	North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54	Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55	Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56	Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57	Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58	Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
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	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9

Table A-8: Regional: Independent Hydro

Operating Year 2017 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	469	464	539	416	395	276	246	219	364	606	618	760	799	517
86	Investor Owned Utilities	764	761	773	816	795	820	795	815	820	870	874	848	839	771
87	Municipality	129	137	134	149	145	167	167	177	189	179	179	235	251	191
88	Public Utility District	139	138	127	125	125	123	123	27.1	125	125	125	137	137	138
89	**Total Independent Hydro**	**1508**	**1507**	**1579**	**1511**	**1464**	**1391**	**1335**	**1245**	**1504**	**1789**	**1805**	**1990**	**2038**	**1627**

Table A-8: Regional: Independent Hydro

Operating Year 2018 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Independent Hydro														
1	American Falls	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9
2	Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3	Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4	Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5	Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6	Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7	Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8	Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9	Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10	Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11	Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12	Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13	Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14	Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15	Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16	CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17	Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18	Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
19	Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20	Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21	Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22	Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23	Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24	Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25	Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26	Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27	Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28	Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29	Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
30	Hellroaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19
31	Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
32	Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33	Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34	Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35	Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36	Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37	Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38	Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39	John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0
40	Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41	Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43	Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44	Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45	Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46	Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47	McNary Fishway	9.01	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
48	Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49	Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50	Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51	Movie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52	Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53	North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54	Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55	Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56	Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57	Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58	Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
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	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9

Table A-8: Regional: Independent Hydro

Operating Year 2018 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	469	464	539	416	395	276	246	219	364	606	618	760	799	517
86	Investor Owned Utilities	764	761	773	816	795	820	795	815	820	870	874	848	839	771
87	Municipality	129	137	134	149	145	167	167	177	189	179	179	235	251	191
88	Public Utility District	139	138	127	125	125	123	123	27.1	125	125	125	137	137	138
89	**Total Independent Hydro**	**1508**	**1507**	**1579**	**1511**	**1464**	**1391**	**1335**	**1245**	**1504**	**1789**	**1805**	**1990**	**2038**	**1627**

Table A-8: Regional: Independent Hydro

Operating Year 2019 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Independent Hydro														
1	American Falls	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9
2	Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3	Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4	Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5	Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6	Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7	Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8	Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9	Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10	Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11	Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12	Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13	Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14	Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15	Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16	CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17	Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18	Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
19	Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20	Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21	Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22	Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23	Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24	Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25	Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26	Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27	Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28	Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29	Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
30	Hellroaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19
31	Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
32	Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33	Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34	Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35	Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36	Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37	Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38	Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39	John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0
40	Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41	Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43	Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44	Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45	Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46	Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47	McNary Fishway	9.01	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
48	Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49	Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50	Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51	Movie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52	Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53	North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54	Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55	Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56	Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57	Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58	Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
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	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9

Table A-8: Regional: Independent Hydro

Operating Year 2019 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	469	464	539	416	395	276	246	219	364	606	618	760	799	517
86	Investor Owned Utilities	764	761	773	816	795	820	795	815	820	870	874	848	839	771
87	Municipality	129	137	134	149	145	167	167	177	189	179	179	235	251	191
88	Public Utility District	139	138	127	125	125	123	123	27.1	125	125	125	137	137	138
89	**Total Independent Hydro**	**1508**	**1507**	**1579**	**1511**	**1464**	**1391**	**1335**	**1245**	**1504**	**1789**	**1805**	**1990**	**2038**	**1627**

Table A-8: Regional: Independent Hydro

Operating Year 2020 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Independent Hydro														
1	American Falls	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9
2	Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3	Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4	Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5	Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6	Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7	Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8	Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9	Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10	Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11	Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12	Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13	Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14	Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15	Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16	CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17	Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18	Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
19	Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20	Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21	Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22	Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23	Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24	Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25	Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26	Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27	Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28	Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29	Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
30	Hellroaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19
31	Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
32	Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33	Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34	Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35	Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36	Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37	Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38	Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39	John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0
40	Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41	Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43	Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44	Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45	Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46	Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47	McNary Fishway	9.01	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
48	Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49	Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50	Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51	Movie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52	Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53	North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54	Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55	Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56	Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57	Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58	Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
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	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9

Table A-8: Regional: Independent Hydro

Operating Year 2020 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	469	464	539	416	395	276	246	219	364	606	618	760	799	517
86	Investor Owned Utilities	764	761	773	816	795	820	795	815	820	870	874	848	839	771
87	Municipality	129	137	134	149	145	167	167	177	189	179	179	235	251	191
88	Public Utility District	139	138	127	125	125	123	123	27.1	125	125	125	137	137	138
89	**Total Independent Hydro**	**1508**	**1507**	**1579**	**1511**	**1464**	**1391**	**1335**	**1245**	**1504**	**1789**	**1805**	**1990**	**2038**	**1627**

Table A-8: Regional: Independent Hydro

Operating Year 2021 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Independent Hydro														
1	American Falls	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9
2	Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3	Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4	Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5	Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6	Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7	Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8	Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9	Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10	Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11	Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12	Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13	Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14	Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15	Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16	CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17	Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18	Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
19	Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20	Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21	Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22	Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23	Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24	Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25	Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26	Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27	Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28	Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29	Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
30	Hellroaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19
31	Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
32	Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33	Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34	Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35	Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36	Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37	Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38	Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39	John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0
40	Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41	Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43	Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44	Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45	Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46	Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47	McNary Fishway	9.01	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
48	Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49	Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50	Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51	Movie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52	Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53	North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54	Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55	Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56	Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57	Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58	Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
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	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9

Table A-8: Regional: Independent Hydro

Operating Year 2021 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	469	464	539	416	395	276	246	219	364	606	618	760	799	517
86	Investor Owned Utilities	764	761	773	816	795	820	795	815	820	870	874	848	839	771
87	Municipality	129	137	134	149	145	167	167	177	189	179	179	235	251	191
88	Public Utility District	139	138	127	125	125	123	123	27.1	125	125	125	137	137	138
89	**Total Independent Hydro**	**1508**	**1507**	**1579**	**1511**	**1464**	**1391**	**1335**	**1245**	**1504**	**1789**	**1805**	**1990**	**2038**	**1627**

Table A-8: Regional: Independent Hydro

Operating Year 2022 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Independent Hydro														
1	American Falls	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9
2	Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3	Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4	Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5	Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6	Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7	Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8	Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9	Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10	Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11	Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12	Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13	Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14	Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15	Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16	CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17	Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18	Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
19	Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20	Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21	Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22	Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23	Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24	Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25	Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26	Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27	Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28	Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29	Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
30	Hellroaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19
31	Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
32	Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33	Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34	Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35	Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36	Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37	Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38	Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39	John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0
40	Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41	Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43	Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44	Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45	Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46	Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47	McNary Fishway	9.01	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
48	Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49	Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50	Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51	Movie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52	Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53	North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54	Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55	Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56	Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57	Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58	Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
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	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9

Table A-8: Regional: Independent Hydro

Operating Year 2022 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	469	464	539	403	378	254	223	199	349	596	609	753	790	504
86	Investor Owned Utilities	764	761	773	816	795	820	795	815	820	870	874	848	839	771
87	Municipality	129	137	134	162	161	188	189	198	203	189	189	242	261	204
88	Public Utility District	139	138	127	125	125	123	123	27.1	125	125	125	137	137	138
89	**Total Independent Hydro**	**1508**	**1507**	**1579**	**1511**	**1464**	**1391**	**1335**	**1245**	**1504**	**1789**	**1805**	**1990**	**2038**	**1627**

Table A-8: Regional: Independent Hydro

Operating Year 2023 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Independent Hydro														
1	American Falls	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9
2	Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3	Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4	Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5	Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6	Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7	Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8	Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9	Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10	Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11	Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12	Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13	Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14	Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15	Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16	CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17	Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18	Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
19	Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20	Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21	Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22	Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23	Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24	Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25	Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26	Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27	Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28	Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29	Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
30	Hellroaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19
31	Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
32	Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33	Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34	Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35	Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36	Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37	Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38	Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39	John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0
40	Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41	Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43	Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44	Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45	Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46	Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47	McNary Fishway	9.01	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
48	Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49	Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50	Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51	Movie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52	Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53	North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54	Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55	Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56	Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57	Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58	Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
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	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9

Table A-8: Regional: Independent Hydro

Operating Year 2023 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	459	454	528	403	378	254	223	199	349	596	609	753	790	504
86	Investor Owned Utilities	764	761	773	816	795	820	795	815	820	870	874	848	839	771
87	Municipality	139	146	145	162	161	188	189	198	203	189	189	242	261	204
88	Public Utility District	139	138	127	125	125	123	123	27.1	125	125	125	137	137	138
89	**Total Independent Hydro**	**1508**	**1507**	**1579**	**1511**	**1464**	**1391**	**1335**	**1245**	**1504**	**1789**	**1805**	**1990**	**2038**	**1627**

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

Monthly 120-Hour Capacity
Operating Year 2014 to 2023
Using 1937-Water Conditions

Federal Report Surplus Deficit By Water Year

Operating Year 2014

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	1074	778	464	469	909	508	339	-110	638	-83.9	1269	3313	3425	1006
2	1930 Federal Report Surplus Deficit	690	-542	794	150	752	588	-1134	149	428	201	2029	3171	1749	1798
3	1931 Federal Report Surplus Deficit	903	-324	479	-116	1061	-15.8	-1082	-1075	224	790	-1123	3680	2072	1548
4	1932 Federal Report Surplus Deficit	-3.63	-1398	54.5	38.9	369	385	-1003	-1201	2660	4637	4234	4889	5123	2107
5	1933 Federal Report Surplus Deficit	1107	549	1205	282	393	1457	2421	3260	3273	2997	2626	4367	5429	3150
6	1934 Federal Report Surplus Deficit	1636	2010	635	1298	3392	4475	4611	4676	4179	4688	4332	4472	3920	1970
7	1935 Federal Report Surplus Deficit	17.1	-774	217	-26.3	233	1064	2581	2395	2713	2848	2084	4076	3663	2506
8	1936 Federal Report Surplus Deficit	1608	362	308	282	826	508	-743	-819	1128	1106	3980	4948	4753	1723
9	1937 Federal Report Surplus Deficit	931	-283	212	227	1138	563	-788	-810	651	326	258	3892	2663	1538
10	1938 Federal Report Surplus Deficit	873	-834	702	27.1	267	1139	2292	2690	3340	4109	4398	4644	4494	2448
11	1939 Federal Report Surplus Deficit	817	190	775	450	717	537	686	1001	1618	2742	2987	4484	2905	1609
12	1940 Federal Report Surplus Deficit	336	-1130	155	471	1359	1251	241	365	2977	3146	3349	4347	3737	1184
13	1941 Federal Report Surplus Deficit	257	-1086	397	346	573	999	72.2	-600	453	482	1280	3694	3655	1649
14	1942 Federal Report Surplus Deficit	586	-652	782	235	880	2026	2394	512	1032	800	2901	3919	4632	2684
15	1943 Federal Report Surplus Deficit	1305	818	1346	338	269	1119	3052	3085	3690	4936	4698	4612	5334	2257
16	1944 Federal Report Surplus Deficit	847	332	564	278	946	480	403	83.6	307	-66.8	1596	2680	1104	1195
17	1945 Federal Report Surplus Deficit	524	-1049	334	150	776	-477	-642	-188	364	-406	-963	4323	4583	979
18	1946 Federal Report Surplus Deficit	1168	58.3	824	129	645	1297	2048	2425	3084	4082	4483	4694	4816	2586
19	1947 Federal Report Surplus Deficit	1343	776	922	185	841	3886	4376	4128	3790	3345	2973	4641	4894	2628
20	1948 Federal Report Surplus Deficit	1220	542	726	2761	2421	2693	4091	3242	2939	3329	4185	5107	5380	2973
21	1949 Federal Report Surplus Deficit	1704	1804	1064	537	844	1237	2686	708	4019	4019	4339	4972	4807	823
22	1950 Federal Report Surplus Deficit	142	-1037	147	228	775	1070	4062	3446	4465	4627	3913	4664	5169	2754
23	1951 Federal Report Surplus Deficit	1603	1778	794	1274	2744	4005	4588	4944	4773	4632	4218	4642	4753	2872
24	1952 Federal Report Surplus Deficit	1781	1169	758	2222	1716	2704	3719	3571	3875	4632	4466	4994	4956	2524
25	1953 Federal Report Surplus Deficit	1159	349	150	181	849	510	1339	2104	2668	2293	2612	4604	5454	2852
26	1954 Federal Report Surplus Deficit	1570	1249	647	441	1096	2081	3679	3853	4057	3545	3191	4685	4935	3309
27	1955 Federal Report Surplus Deficit	1974	2123	3148	594	1878	1644	1258	-147	265	681	2262	4385	5402	3466
28	1956 Federal Report Surplus Deficit	1726	1371	435	765	2321	3908	4559	4922	4489	4583	4577	4869	5425	2942
29	1957 Federal Report Surplus Deficit	1477	1111	755	706	804	2196	2329	1482	3202	4628	3362	5148	5315	2401
30	1958 Federal Report Surplus Deficit	936	-484	669	356	945	912	2672	2146	3285	3394	3639	4944	5123	2174
31	1959 Federal Report Surplus Deficit	795	-49.0	514	330	1621	3528	4422	4405	3990	4012	3135	4274	5157	2539
32	1960 Federal Report Surplus Deficit	1789	1536	3125	3612	3454	3355	3403	2538	3202	5023	4144	4426	4794	2313
33	1961 Federal Report Surplus Deficit	1302	274	451	494	879	1477	3255	2657	3920	4201	2534	4614	5214	2192
34	1962 Federal Report Surplus Deficit	864	547	308	253	902	819	2564	2438	1727	4704	4483	4620	5010	943
35	1963 Federal Report Surplus Deficit	1094	285	451	830	1852	3182	2429	2824	2250	2369	2556	4419	5019	2435
36	1964 Federal Report Surplus Deficit	1225	531	970	234	569	1427	1650	1259	1847	3898	2375	4578	5435	3236
37	1965 Federal Report Surplus Deficit	1750	1228	1402	1281	1544	4002	4656	4966	4501	3218	4363	4722	4589	2504
38	1966 Federal Report Surplus Deficit	1661	1669	215	714	1244	1705	2397	1858	1305	4498	2917	4245	3997	2506
39	1967 Federal Report Surplus Deficit	1372	435	544	186	694	1754	3967	4090	4301	2450	453	4334	5155	2825
40	1968 Federal Report Surplus Deficit	1572	983	656	470	1313	1709	3275	3632	3523	1807	1595	3553	4801	2654
41	1969 Federal Report Surplus Deficit	1626	1296	1834	1349	2424	2736	4446	4642	3790	4525	4273	4947	4923	2631
42	1970 Federal Report Surplus Deficit	1057	192	769	434	1090	812	2327	2198	2726	2941	1859	4429	5197	1891
43	1971 Federal Report Surplus Deficit	1105	104	397	217	802	1119	4612	4781	4700	4516	4067	4927	5395	3278
44	1972 Federal Report Surplus Deficit	1975	1855	909	816	975	2040	4632	4839	5109	4917	3736	4925	5347	3220
45	1973 Federal Report Surplus Deficit	1833	2008	1263	725	1034	1640	2485	1252	771	-641	1128	3644	3609	1366
46	1974 Federal Report Surplus Deficit	599	-791	371	-28.9	565	2134	4634	4703	4834	4808	4513	4852	5309	3482
47	1975 Federal Report Surplus Deficit	1823	1749	1107	176	933	1112	2311	2998	3707	2235	2487	4597	5339	3569
48	1976 Federal Report Surplus Deficit	1589	1326	1178	1573	2721	4453	4338	4565	4347	4670	4330	4871	5026	3009
49	1977 Federal Report Surplus Deficit	2141	2237	3617	801	963	419	339	424	651	-596	1381	2152	837	843
50	1978 Federal Report Surplus Deficit	190	-1407	-186	7.81	221	2198	2387	2265	2763	4564	3079	4395	3905	2499
51	1979 Federal Report Surplus Deficit	1039	399	1904	905	1029	785	1756	17.0	2884	2011	2658	4819	3252	1019
52	1980 Federal Report Surplus Deficit	134	-759	337	265	893	300	694	890	772	3247	3339	5004	4833	1508
53	1981 Federal Report Surplus Deficit	569	-688	537	456	865	3568	3709	2352	2306	790	3306	4827	5254	2714
54	1982 Federal Report Surplus Deficit	1801	2054	789	424	1281	2293	3851	4741	4921	4333	3743	4778	5205	2888
55	1983 Federal Report Surplus Deficit	1937	1903	2030	1446	1368	2624	4165	4052	4632	4156	3314	4677	4884	2890
56	1984 Federal Report Surplus Deficit	1684	1275	1036	571	2988	2588	3533	3860	3958	4888	4430	4685	5445	3027
57	1985 Federal Report Surplus Deficit	1495	867	1049	642	1266	1660	1993	1774	2575	3662	3698	4733	3990	-12.9
58	1986 Federal Report Surplus Deficit	1.45	-1685	300	361	2222	1483	3172	3767	5045	4395	4013	4271	4875	2122

Federal Report Surplus Deficit By Water Year

Operating Year 2014

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308Continued

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	1987 Federal Report Surplus Deficit	1187	176	347	183	773	1798	1140	-548	2308	1481	2183	4525	3604	1307
60	1988 Federal Report Surplus Deficit	-40.4	-1735	417	-6.28	662	257	-687	-752	422	376	2241	3689	3683	1881
61	1989 Federal Report Surplus Deficit	487	-582	778	-271	301	1063	453	-20.4	2178	3752	4208	4454	3778	1188
62	1990 Federal Report Surplus Deficit	466	-833	478	94.6	1032	1536	2820	3156	3795	3189	4523	4369	4895	2315
63	1991 Federal Report Surplus Deficit	1619	1182	379	-26.5	2796	2987	3663	4076	3786	3876	3324	4598	4665	2842
64	1992 Federal Report Surplus Deficit	1769	1911	478	160	854	602	489	32.0	1415	837	1627	4257	3216	905
65	1993 Federal Report Surplus Deficit	-20.6	-1359	250	-135	791	782	-893	-956	1924	1321	2072	4420	4270	2113
66	1994 Federal Report Surplus Deficit	928	73.5	867	-29.9	1241	694	-534	-816	652	209	1981	4093	3634	1746
67	1995 Federal Report Surplus Deficit	607	-839	462	-284	406	334	952	2489	3236	3724	2499	4196	4959	2388
68	1996 Federal Report Surplus Deficit	1138	422	1432	946	3632	4259	4682	4975	5040	4438	4645	4819	5083	3096
69	1997 Federal Report Surplus Deficit	1847	1384	407	352	1147	2570	4729	4739	5121	4480	4622	4774	5334	3168
70	1998 Federal Report Surplus Deficit	1889	1626	1967	2992	2335	2359	2001	2460	2510	2189	3190	5045	5287	2486
71	1999 Federal Report Surplus Deficit	1597	178	669	293	533	2035	4266	4639	4731	3777	3987	4686	5380	3197
72	2000 Federal Report Surplus Deficit	2070	2213	1356	529	3094	3216	2995	2929	3516	4521	4402	4435	4054	2273
73	2001 Federal Report Surplus Deficit	1488	-367	453	320	847	544	346	224	510	-180	1297	3250	579	1304
74	2002 Federal Report Surplus Deficit	249	-790	-63.8	-833	344	369	-115	366	1094	3846	4034	4060	5008	2953
75	2003 Federal Report Surplus Deficit	1358	444	785	-23.8	1132	730	-219	3.69	3210	3179	2884	4103	4930	1312
76	2004 Federal Report Surplus Deficit	265	-1398	122	295	1048	1409	569	303	1231	1548	2962	4351	4091	1535
77	2005 Federal Report Surplus Deficit	434	-292	675	559	988	2055	2109	1328	1630	736	2090	4287	4338	1762
78	2006 Federal Report Surplus Deficit	1013	-389	777	-119	935	1403	2731	3951	3521	4869	4501	4973	4953	2248
79	2007 Federal Report Surplus Deficit	482	-1081	487	64.8	1055	1296	2948	1892	4111	3841	3131	4469	3879	2458
80	2008 Federal Report Surplus Deficit	991	-975	55.3	261	866	761	1057	658	1937	2206	1203	4829	5437	2708

Ranked Averages

81	**Bottom 10 pct**	**52.5**	**-1269**	**192**	**91.6**	**771**	**942**	**1289**	**1232**	**2595**	**3252**	**3122**	**4426**	**4440**	**2186**
82	**Middle 80 pct**	**1142**	**327**	**714**	**487**	**1223**	**1729**	**2267**	**2184**	**2815**	**2955**	**3042**	**4444**	**4473**	**2214**
83	**Top 10 pct**	**1958**	**1919**	**1837**	**1032**	**1599**	**2064**	**2826**	**2569**	**2822**	**2464**	**3004**	**4255**	**4344**	**2464**

Federal Report Surplus Deficit By Water Year

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	1636	1229	431	103	465	200	10.8	-91.4	400	-370	1265	1934	2446	-66.7
2	1930 Federal Report Surplus Deficit	913	-417	762	47.9	456	320	-830	142	506	203	1809	2176	-263	1675
3	1931 Federal Report Surplus Deficit	1156	-247	477	-33.9	625	324	-1368	-1242	319	679	-200	2760	819	1345
4	1932 Federal Report Surplus Deficit	149	-1146	8.52	-181	-61.8	188	-1449	-1245	2787	3793	3889	4058	4239	1927
5	1933 Federal Report Surplus Deficit	1824	1416	1292	153	-34.2	1705	2001	3109	2738	2676	2318	3546	4557	3013
6	1934 Federal Report Surplus Deficit	1903	2319	865	949	2901	4020	4212	4292	3780	4249	3952	3623	3045	1751
7	1935 Federal Report Surplus Deficit	838	-71.1	180	94.7	-174	1360	2223	2578	2917	1787	1754	3262	2883	2423
8	1936 Federal Report Surplus Deficit	1897	402	174	-47.5	324	248	-535	-723	807	1171	3703	4100	3851	1435
9	1937 Federal Report Surplus Deficit	1183	-196	68.2	-63.4	617	279	-707	-1080	394	86.6	-98.2	2754	1441	1066
10	1938 Federal Report Surplus Deficit	642	-667	723	143	19.5	1737	2061	2056	2731	3758	4055	3832	3866	2195
11	1939 Federal Report Surplus Deficit	1221	422	791	219	280	225	951	706	1472	2471	2744	3642	1345	1277
12	1940 Federal Report Surplus Deficit	556	-919	82.2	315	718	1658	935	-214	3451	2623	2161	3348	1852	1214
13	1941 Federal Report Surplus Deficit	436	-857	359	132	267	1475	-222	-161	792	344	979	2771	1618	1636
14	1942 Federal Report Surplus Deficit	821	-517	932	-48.2	918	1839	1743	1368	1888	1163	2504	2961	3228	2551
15	1943 Federal Report Surplus Deficit	1603	864	1511	234	-155	1131	2550	3294	3263	4546	4329	3795	4451	2131
16	1944 Federal Report Surplus Deficit	1528	1012	505	-194	439	163	61.1	-33.4	356	-378	1251	1375	-330	850
17	1945 Federal Report Surplus Deficit	768	-843	269	132	410	-373	-1039	-384	459	-491	-437	3476	3725	600
18	1946 Federal Report Surplus Deficit	1434	110	787	-94.8	214	1627	1764	1950	2864	3717	4140	3878	3945	2456
19	1947 Federal Report Surplus Deficit	1910	1392	946	-238	507	3569	3560	3794	3779	3068	2653	3840	4028	2558
20	1948 Federal Report Surplus Deficit	1514	561	689	2387	1923	2562	3665	3051	2722	3025	3859	4238	4507	2868
21	1949 Federal Report Surplus Deficit	2175	2489	1866	151	398	1193	2152	1134	3583	3695	3847	4032	3955	555
22	1950 Federal Report Surplus Deficit	436	-714	-27.4	-33.1	335	1230	3643	3750	3826	4269	3573	3841	4290	2658
23	1951 Federal Report Surplus Deficit	2153	2412	945	895	2241	3672	4177	4632	4251	4205	3881	3815	3701	2810
24	1952 Federal Report Surplus Deficit	2241	1974	906	1865	1242	2573	3304	3605	3006	4253	4226	4164	4184	2258
25	1953 Federal Report Surplus Deficit	1665	881	-4.80	-204	168	308	1635	1869	2572	1990	2241	3779	4591	2742
26	1954 Federal Report Surplus Deficit	1893	1342	779	35.9	643	2010	3159	3515	3448	3191	2937	3879	4114	3189
27	1955 Federal Report Surplus Deficit	2569	2546	3229	210	1396	1596	917	487	1030	993	1992	3472	4463	3319
28	1956 Federal Report Surplus Deficit	2002	2086	530	393	1826	3588	4238	4346	4052	4197	4217	4047	4558	2829
29	1957 Federal Report Surplus Deficit	2086	2255	770	311	359	2113	2056	1556	2738	4294	2826	4188	4457	2408
30	1958 Federal Report Surplus Deficit	1507	604	627	46.6	498	811	2393	1968	2980	3113	3366	4122	4242	1952
31	1959 Federal Report Surplus Deficit	1369	445	456	285	951	3219	3992	4136	3436	3658	2870	3451	4278	2351
32	1960 Federal Report Surplus Deficit	2294	2431	3311	3284	2965	3102	2994	2159	2752	4611	3807	3574	3912	2265
33	1961 Federal Report Surplus Deficit	1590	301	359	122	381	1435	2882	2445	3546	3462	2231	3775	4331	2216
34	1962 Federal Report Surplus Deficit	1333	842	248	-110	460	830	2178	2187	1295	4345	4130	3801	4129	858
35	1963 Federal Report Surplus Deficit	1235	551	358	664	1192	2991	2745	2774	2513	1746	1986	3449	3509	2315
36	1964 Federal Report Surplus Deficit	1491	609	956	-131	139	1327	1281	807	1306	3581	2054	3732	4566	3135
37	1965 Federal Report Surplus Deficit	2072	2333	1598	919	1075	3663	4305	4647	4031	2759	4008	3906	3724	2585
38	1966 Federal Report Surplus Deficit	2205	2381	376	333	776	1654	2016	1548	1397	4141	2716	3157	3163	2380
39	1967 Federal Report Surplus Deficit	1651	457	509	-170	255	1636	3646	3782	3620	2148	245	3474	4269	2757
40	1968 Federal Report Surplus Deficit	2053	1793	801	72.7	849	1659	2911	2799	3472	1511	1304	2621	3889	2527
41	1969 Federal Report Surplus Deficit	1973	1614	1960	989	1927	2601	4015	4264	3377	4112	3930	4115	4054	2524
42	1970 Federal Report Surplus Deficit	1905	1239	734	93.9	644	713	2007	2593	2532	2643	991	3482	4289	1999
43	1971 Federal Report Surplus Deficit	1216	387	330	-181	360	992	3979	4431	4310	4136	3814	4095	4522	3115
44	1972 Federal Report Surplus Deficit	2477	2435	1497	422	527	1981	4208	4485	4758	4509	3448	4094	4477	3091
45	1973 Federal Report Surplus Deficit	2404	2419	2010	335	582	1596	2258	1232	704	-973	815	2704	1501	1145
46	1974 Federal Report Surplus Deficit	813	-643	329	9.05	-106	2725	4272	4294	4499	4415	4160	4031	4429	3346
47	1975 Federal Report Surplus Deficit	2306	2415	1939	-275	486	1065	1885	2625	3216	1934	2219	3768	4462	3475
48	1976 Federal Report Surplus Deficit	2092	1831	1352	1213	2219	4019	3909	4199	3918	4282	3986	4048	4040	2972
49	1977 Federal Report Surplus Deficit	2539	2602	3714	425	514	113	-7.29	175	688	-994	1088	1221	-1345	936
50	1978 Federal Report Surplus Deficit	309	-1186	-346	-485	-135	2341	2241	2447	2354	4182	2828	3580	3081	2593
51	1979 Federal Report Surplus Deficit	1310	421	2022	534	584	862	1601	355	2425	1715	2381	3852	2100	509
52	1980 Federal Report Surplus Deficit	308	-591	216	25.8	440	-56.7	1034	597	740	2970	3054	4162	3944	1421
53	1981 Federal Report Surplus Deficit	1123	-152	559	169	423	3231	3249	3234	2767	362	2389	3618	4363	2572
54	1982 Federal Report Surplus Deficit	2089	2351	1090	75.9	781	2201	3428	4455	4622	4012	3444	3949	4320	2873
55	1983 Federal Report Surplus Deficit	2452	2515	2718	1084	907	2507	3726	3729	4214	3802	2815	3819	3948	2928
56	1984 Federal Report Surplus Deficit	2208	2281	1206	184	2484	2475	3096	3531	3582	4496	3976	3872	4521	2888
57	1985 Federal Report Surplus Deficit	1955	1279	1158	248	808	1616	1600	1383	2145	3326	3351	3907	2921	-217
58	1986 Federal Report Surplus Deficit	159	-1306	246	984	1784	1387	2732	3477	4678	4018	3705	3442	4004	1997

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	1987 Federal Report Surplus Deficit	1460	212	285	-211	329	1750	1317	398	1911	1187	1914	3409	2679	916
60	1988 Federal Report Surplus Deficit	118	-1355	344	-139	311	-92.5	-602	-1029	603	400	1899	2706	1673	1870
61	1989 Federal Report Surplus Deficit	692	-450	742	-150	54.0	1433	173	-677	2028	3461	3870	3629	2968	549
62	1990 Federal Report Surplus Deficit	682	-644	396	-49.2	907	1810	2386	2994	3176	2714	4163	3563	4037	2092
63	1991 Federal Report Surplus Deficit	1982	1450	459	-415	2120	2833	3233	3733	3298	3487	2725	3757	3897	2752
64	1992 Federal Report Surplus Deficit	2055	2231	583	-260	407	586	831	418	1774	374	1051	2500	855	798
65	1993 Federal Report Surplus Deficit	137	-1152	271	-31.4	359	766	-1090	-1179	1610	1082	1894	3629	3580	1743
66	1994 Federal Report Surplus Deficit	1182	125	871	-125	794	608	-503	-176	413	-33.6	1789	3270	2548	1522
67	1995 Federal Report Surplus Deficit	818	-676	437	-240	-16.7	829	621	2393	3493	2178	1745	3220	4057	2278
68	1996 Federal Report Surplus Deficit	1380	454	1558	1264	3153	3870	4293	4639	4665	4114	4271	3996	4240	2967
69	1997 Federal Report Surplus Deficit	2221	2340	637	-58.3	692	2458	4332	4340	4786	4095	4256	3958	4469	3058
70	1998 Federal Report Surplus Deficit	2475	2491	2382	2653	1840	2277	2078	1870	2110	1898	2600	4068	4372	2461
71	1999 Federal Report Surplus Deficit	2008	514	624	-68.5	34.0	2024	3873	4319	4360	3434	3487	3855	4503	3084
72	2000 Federal Report Surplus Deficit	2483	2594	1739	212	2539	3025	2613	2571	3100	4127	4031	3495	3319	2305
73	2001 Federal Report Surplus Deficit	1784	-261	374	-19.5	401	234	16.4	-49.7	700	-555	1313	2222	-1763	943
74	2002 Federal Report Surplus Deficit	435	-623	-151	-578	-24.9	791	56.7	475	1166	2799	3721	3212	4132	2816
75	2003 Federal Report Surplus Deficit	1954	1227	758	-443	685	455	9.28	26.5	2828	2858	2616	3255	4074	686
76	2004 Federal Report Surplus Deficit	463	-1046	53.6	107	533	1945	668	-544	1860	2117	2067	3305	3055	1023
77	2005 Federal Report Surplus Deficit	653	-204	823	220	538	1991	1730	1576	1478	440	1818	3429	3360	1386
78	2006 Federal Report Surplus Deficit	1249	-261	748	75.6	486	1329	2309	3607	3107	4407	4162	4135	4103	2054
79	2007 Federal Report Surplus Deficit	1167	219	415	-405	927	1344	2645	1539	3822	3497	2829	3608	3007	2331
80	2008 Federal Report Surplus Deficit	1162	-739	-19.1	115	368	992	826	674	1591	2017	666	3975	4564	2591

Ranked Averages

81	**Bottom 10 pct**	**256**	**-1009**	**70.1**	**-54.8**	**376**	**819**	**821**	**912**	**2221**	**2939**	**3070**	**3579**	**3618**	**2128**
82	**Middle 80 pct**	**1506**	**723**	**746**	**244**	**776**	**1715**	**2078**	**2098**	**2642**	**2633**	**2700**	**3536**	**3419**	**2011**
83	**Top 10 pct**	**2463**	**2502**	**2404**	**633**	**1099**	**1770**	**2210**	**2147**	**2477**	**1912**	**2376**	**3330**	**3150**	**2458**

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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	1393	1174	242	134	522	242	18.2	104	400	-374	1297	2888	3324	-87.7
2	1930 Federal Report Surplus Deficit	690	-169	276	79.0	512	362	-789	337	507	196	1834	3123	717	1643
3	1931 Federal Report Surplus Deficit	961	-293	-323	-3.73	680	367	-1295	-1073	319	671	-152	3690	1745	1314
4	1932 Federal Report Surplus Deficit	76.3	-1381	22.4	-150	-0.09	230	-1362	-1076	2845	3793	3891	4877	5111	1895
5	1933 Federal Report Surplus Deficit	1589	1450	635	183	34.3	1754	1971	3315	2799	2671	2332	4428	5438	3002
6	1934 Federal Report Surplus Deficit	1768	2142	572	970	2982	4066	4209	4478	3867	4246	3957	4481	3906	1719
7	1935 Federal Report Surplus Deficit	499	-393	-398	123	-94.7	1407	2193	2787	2981	1779	1779	4164	3749	2396
8	1936 Federal Report Surplus Deficit	1835	643	43.2	-15.4	381	290	-500	-540	818	1163	3699	4916	4715	1403
9	1937 Federal Report Surplus Deficit	1092	-371	-106	-31.0	672	322	-675	-906	394	81.0	-50.0	3687	2355	1037
10	1938 Federal Report Surplus Deficit	828	-505	-194	173	86.1	1786	2031	2266	2785	3757	4059	4683	4731	2161
11	1939 Federal Report Surplus Deficit	1081	-40.2	493	249	338	267	935	911	1494	2465	2751	4525	2251	1246
12	1940 Federal Report Surplus Deficit	391	-628	-184	342	773	1707	916	-23.4	3524	2619	2176	4250	2742	1184
13	1941 Federal Report Surplus Deficit	666	-752	-394	160	325	1523	-202	33.6	803	336	1014	3694	2513	1603
14	1942 Federal Report Surplus Deficit	777	-447	-261	-18.8	974	1889	1715	1577	1927	1155	2512	3872	4090	2529
15	1943 Federal Report Surplus Deficit	1497	581	959	263	-76.0	1177	2520	3501	3332	4544	4368	4640	5329	2101
16	1944 Federal Report Surplus Deficit	1479	777	170	-159	496	205	64.7	163	356	-382	1283	2337	653	823
17	1945 Federal Report Surplus Deficit	497	-1147	-758	162	466	-331	-975	-199	460	-494	-389	4374	4596	544
18	1946 Federal Report Surplus Deficit	1219	126	99.6	-61.5	275	1675	1736	2160	2923	3720	4156	4723	4811	2434
19	1947 Federal Report Surplus Deficit	1796	1230	570	-203	564	3621	3543	3994	3862	3064	2660	4691	4896	2534
20	1948 Federal Report Surplus Deficit	1544	443	471	2402	1992	2614	3650	3258	2779	3022	3859	5037	5388	2855
21	1949 Federal Report Surplus Deficit	1992	2307	1646	181	455	1240	2122	1341	3659	3693	3844	4861	4829	498
22	1950 Federal Report Surplus Deficit	386	-748	-298	-0.98	393	1277	3628	3952	3908	4268	3567	4702	5161	2633
23	1951 Federal Report Surplus Deficit	2030	2162	669	918	2315	3725	4173	4818	4347	4205	3881	4672	4565	2795
24	1952 Federal Report Surplus Deficit	2014	2017	627	1879	1299	2625	3283	3810	3068	4253	4245	4970	5059	2220
25	1953 Federal Report Surplus Deficit	1393	332	-206	-169	228	351	1609	2079	2625	1983	2257	4639	5473	2724
26	1954 Federal Report Surplus Deficit	1553	932	502	67.3	698	2060	3135	3720	3522	3188	2938	4727	4982	3192
27	1955 Federal Report Surplus Deficit	2296	2420	3151	240	1457	1644	901	690	1046	985	2012	4364	5340	3322
28	1956 Federal Report Surplus Deficit	1868	1752	243	421	1893	3641	4185	4663	4140	4192	4235	4870	5439	2814
29	1957 Federal Report Surplus Deficit	1971	2094	496	340	418	2163	2026	1766	2792	4293	2829	4977	5341	2381
30	1958 Federal Report Surplus Deficit	1584	873	298	78.2	553	856	2364	2179	3045	3110	3362	4934	5115	1920
31	1959 Federal Report Surplus Deficit	1015	413	246	314	1006	3272	3984	4330	3512	3658	2872	4324	5153	2322
32	1960 Federal Report Surplus Deficit	2203	2269	3369	3313	3046	3155	2970	2369	2807	4605	3804	4458	4778	2236
33	1961 Federal Report Surplus Deficit	1585	243	173	152	438	1482	2856	2656	3622	3460	2247	4627	5207	2187
34	1962 Federal Report Surplus Deficit	1493	895	2.69	-77.2	516	875	2148	2397	1317	4339	4141	4653	4998	831
35	1963 Federal Report Surplus Deficit	1215	268	103	688	1249	3043	2719	2871	2662	1738	2005	4345	4370	2287
36	1964 Federal Report Surplus Deficit	1418	458	682	-97.8	201	1375	1259	1013	1328	3580	2074	4596	5447	3134
37	1965 Federal Report Surplus Deficit	1939	2170	1335	941	1132	3715	4302	4833	4122	2753	4025	4741	4590	2560
38	1966 Federal Report Surplus Deficit	2060	2233	40.0	361	831	1703	1986	1758	1420	4140	2719	4071	4024	2352
39	1967 Federal Report Surplus Deficit	1707	346	277	-138	315	1685	3631	3982	3702	2142	291	4367	5145	2738
40	1968 Federal Report Surplus Deficit	1957	1630	523	103	905	1708	2884	3008	3550	1503	1335	3557	4761	2502
41	1969 Federal Report Surplus Deficit	1851	1519	1773	1008	1995	2653	4008	4462	3424	4111	3934	4931	4922	2498
42	1970 Federal Report Surplus Deficit	1803	1067	484	126	699	757	1978	2802	2586	2638	1030	4370	5163	1967
43	1971 Federal Report Surplus Deficit	776	-136	129	-148	418	1038	3969	4615	4409	4134	3812	4909	5402	3113
44	1972 Federal Report Surplus Deficit	2354	2268	1236	451	583	2031	4204	4664	4865	4511	3443	4910	5357	3089
45	1973 Federal Report Surplus Deficit	2286	2290	1812	364	637	1645	2228	1441	711	-968	853	3637	2400	1115
46	1974 Federal Report Surplus Deficit	832	-777	-397	39.4	-32.7	2777	4267	4476	4605	4414	4175	4856	5305	3352
47	1975 Federal Report Surplus Deficit	2200	2282	1732	-240	543	1111	1857	2835	3282	1927	2234	4628	5341	3493
48	1976 Federal Report Surplus Deficit	1987	1781	1071	1232	2292	4069	3898	4393	4007	4279	3991	4871	4916	2960
49	1977 Federal Report Surplus Deficit	2343	2511	3625	452	570	155	-3.62	375	696	-994	1124	2167	-306	907
50	1978 Federal Report Surplus Deficit	122	-1369	-973	-448	-62.7	2392	2211	2500	2532	4181	2829	4437	3942	2570
51	1979 Federal Report Surplus Deficit	1226	256	1231	560	639	907	1574	555	2472	1707	2394	4704	2985	484
52	1980 Federal Report Surplus Deficit	287	-596	170	56.8	496	-16.7	1017	801	747	2967	3051	4966	4817	1376
53	1981 Federal Report Surplus Deficit	946	-426	325	198	479	3284	3229	3439	2827	354	2399	4493	5245	2551
54	1982 Federal Report Surplus Deficit	2002	2177	1079	108	836	2252	3408	4718	4663	4012	3439	4775	5195	2860
55	1983 Federal Report Surplus Deficit	2209	2338	2323	1105	962	2558	3710	3933	4306	3802	2819	4670	4813	2920
56	1984 Federal Report Surplus Deficit	2061	2234	1211	214	2561	2526	3070	3736	3657	4494	3981	4720	5401	2875
57	1985 Federal Report Surplus Deficit	2104	1504	913	279	863	1665	1573	1592	2189	3324	3346	4752	3786	-225
58	1986 Federal Report Surplus Deficit	5.14	-1181	-66.7	1005	1850	1434	2703	3683	4823	4017	3701	4327	4872	1961

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	1987 Federal Report Surplus Deficit	1369	30.2	60.8	-177	388	1799	1294	600	1949	1179	1936	4304	3545	888
60	1988 Federal Report Surplus Deficit	152	-1023	-304	-108	367	-42.3	-564	-854	607	393	1919	3640	2575	1838
61	1989 Federal Report Surplus Deficit	927	-390	-245	-117	119	1481	179	-493	2065	3461	3871	4499	3832	524
62	1990 Federal Report Surplus Deficit	488	-368	19.0	-17.0	963	1860	2356	3201	3245	2709	4181	4439	4904	2061
63	1991 Federal Report Surplus Deficit	1767	1228	193	-378	2193	2885	3210	3933	3372	3485	2729	4617	4762	2738
64	1992 Federal Report Surplus Deficit	1924	2051	341	-226	464	630	814	620	1810	366	1086	3439	1779	770
65	1993 Federal Report Surplus Deficit	220	-1017	-802	-1.60	416	811	-1025	-1008	1636	1074	1917	4504	4440	1711
66	1994 Federal Report Surplus Deficit	1226	326	159	-91.5	850	652	-470	17.6	412	-39.1	1813	4170	3416	1490
67	1995 Federal Report Surplus Deficit	762	-680	-264	-208	49.1	874	614	2603	3570	2172	1771	4129	4932	2237
68	1996 Federal Report Surplus Deficit	1293	517	666	1283	3233	3911	4290	4825	4767	4131	4301	4826	5114	2962
69	1997 Federal Report Surplus Deficit	2121	2165	281	-25.6	747	2510	4330	4522	4895	4091	4283	4783	5349	3055
70	1998 Federal Report Surplus Deficit	2296	2343	2271	2670	1907	2328	2048	2080	2152	1890	2610	4875	5258	2412
71	1999 Federal Report Surplus Deficit	2065	1026	353	-35.3	101	2074	3861	4513	4456	3433	3482	4714	5383	3077
72	2000 Federal Report Surplus Deficit	2327	2477	1508	241	2617	3078	2584	2781	3165	4130	4042	4387	4181	2276
73	2001 Federal Report Surplus Deficit	1673	-521	135	12.8	457	276	19.7	146	709	-559	1345	3169	-690	915
74	2002 Federal Report Surplus Deficit	380	-867	-1081	-541	41.9	835	66.3	678	1184	2795	3717	4120	5002	2799
75	2003 Federal Report Surplus Deficit	1738	680	256	-408	740	498	20.5	223	2886	2854	2623	4154	4944	643
76	2004 Federal Report Surplus Deficit	109	-960	-451	136	588	1995	658	-358	1897	2111	2086	4205	3916	994
77	2005 Federal Report Surplus Deficit	305	-462	1199	249	593	2041	1701	1785	1506	432	1838	4302	4220	1356
78	2006 Federal Report Surplus Deficit	1201	-200	230	105	542	1376	2279	3811	3177	4400	4177	4936	4980	1989
79	2007 Federal Report Surplus Deficit	1194	140	-113	-368	982	1392	2616	1749	3905	3496	2831	4487	3871	2301
80	2008 Federal Report Surplus Deficit	951	-536	-568	143	425	1037	812	878	1619	2010	709	4799	5445	2565
	Ranked Averages														
81	**Bottom 10 pct**	**160**	**-999**	**-151**	**92.5**	**531**	**1106**	**667**	**684**	**2074**	**2371**	**2654**	**4407**	**4237**	**1713**
82	**Middle 80 pct**	**1401**	**629**	**301**	**204**	**787**	**1701**	**2070**	**2356**	**2731**	**2658**	**2744**	**4413**	**4341**	**2054**
83	**Top 10 pct**	**2289**	**2364**	**2412**	**1104**	**1472**	**2074**	**2330**	**2292**	**2469**	**2245**	**2588**	**4184**	**3978**	**2285**

Federal Report Surplus Deficit By Water Year

Operating Year 2017

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	1429	1295	259	53.6	461	165	-112	-169	309	-509	1208	1876	2429	-167
2	1930 Federal Report Surplus Deficit	715	-47.4	294	-1.67	458	285	-916	65.0	417	67.3	1751	2121	-305	1554
3	1931 Federal Report Surplus Deficit	999	-171	-307	-84.4	642	291	-1421	-1338	215	544	-265	2714	789	1226
4	1932 Federal Report Surplus Deficit	55.7	-1282	38.7	-231	-95.6	153	-1487	-1341	2777	3622	3797	4045	4220	1805
5	1933 Federal Report Surplus Deficit	1614	1567	654	103	-92.6	1678	1831	3041	2733	2521	2255	3514	4531	2908
6	1934 Federal Report Surplus Deficit	1760	2236	591	888	2801	3941	4067	4211	3798	4074	3859	3595	3032	1630
7	1935 Federal Report Surplus Deficit	512	-272	-383	42.5	-262	1333	2052	2511	2917	1644	1696	3225	2869	2306
8	1936 Federal Report Surplus Deficit	1830	770	57.6	-96.1	316	213	-628	-809	730	1034	3616	4084	3837	1314
9	1937 Federal Report Surplus Deficit	1132	-253	-91.7	-112	632	246	-803	-1172	289	-49.8	-164	2707	1414	950
10	1938 Federal Report Surplus Deficit	864	-387	-180	92.2	-32.1	1710	1892	1990	2716	3589	3963	3807	3851	2076
11	1939 Federal Report Surplus Deficit	1121	82.8	512	168	263	188	800	635	1412	2322	2677	3623	1320	1158
12	1940 Federal Report Surplus Deficit	409	-511	-168	261	738	1631	780	-295	3461	2471	2099	3311	1831	1096
13	1941 Federal Report Surplus Deficit	686	-641	-380	79.5	254	1448	-332	-239	716	209	922	2728	1596	1514
14	1942 Federal Report Surplus Deficit	812	-328	-246	-99.5	946	1812	1577	1300	1851	1027	2437	2921	3217	2438
15	1943 Federal Report Surplus Deficit	1518	708	978	182	-243	1103	2379	3226	3268	4373	4236	3771	4428	2011
16	1944 Federal Report Surplus Deficit	1508	903	186	-240	432	127	-66.5	-110	252	-516	1194	1311	-372	737
17	1945 Federal Report Surplus Deficit	518	-1046	-749	81.4	408	-416	-1100	-468	355	-633	-506	3441	3720	460
18	1946 Federal Report Surplus Deficit	1260	250	115	-142	183	1600	1598	1884	2855	3552	4046	3854	3926	2339
19	1947 Federal Report Surplus Deficit	1789	1350	590	-284	505	3518	3398	3722	3797	2909	2586	3816	4010	2443
20	1948 Federal Report Surplus Deficit	1558	571	490	2319	1944	2529	3504	2983	2711	2866	3768	4228	4480	2761
21	1949 Federal Report Surplus Deficit	1978	2394	1663	100	388	1166	1980	1065	3596	3525	3758	4012	3949	415
22	1950 Federal Report Surplus Deficit	387	-638	-287	-81.6	317	1203	3482	3679	3843	4093	3490	3821	4271	2543
23	1951 Federal Report Surplus Deficit	2017	2255	688	837	2240	3619	4028	4552	4265	4028	3791	3794	3688	2702
24	1952 Federal Report Surplus Deficit	1999	2116	646	1796	1276	2541	3138	3535	3002	4077	4133	4151	4170	2131
25	1953 Federal Report Surplus Deficit	1421	459	-194	-250	143	274	1471	1803	2555	1845	2178	3750	4562	2632
26	1954 Federal Report Surplus Deficit	1581	1057	521	-13.4	652	1983	2990	3445	3459	3031	2865	3854	4097	3091
27	1955 Federal Report Surplus Deficit	2297	2504	3166	159	1432	1569	767	415	961	857	1932	3437	4440	3222
28	1956 Federal Report Surplus Deficit	1853	1859	261	341	1852	3537	4040	4394	4071	4021	4124	4029	4531	2721
29	1957 Federal Report Surplus Deficit	1956	2189	515	259	345	2084	1885	1489	2723	4119	2755	4174	4427	2291
30	1958 Federal Report Surplus Deficit	1608	998	316	-2.41	501	781	2222	1902	2981	2951	3286	4108	4222	1831
31	1959 Federal Report Surplus Deficit	1055	541	264	233	976	3177	3838	4059	3449	3487	2799	3417	4256	2232
32	1960 Federal Report Surplus Deficit	2194	2358	3389	3232	2856	3059	2826	2092	2739	4441	3718	3540	3899	2146
33	1961 Federal Report Surplus Deficit	1608	369	190	71.2	370	1408	2713	2379	3558	3295	2169	3746	4308	2097
34	1962 Federal Report Surplus Deficit	1523	1020	19.7	-158	457	801	2008	2121	1235	4167	4037	3772	4111	745
35	1963 Federal Report Surplus Deficit	1253	395	118	607	1225	2952	2575	2595	2594	1606	1925	3414	3497	2197
36	1964 Federal Report Surplus Deficit	1446	585	702	-178	103	1300	1123	737	1245	3412	1994	3705	4539	3035
37	1965 Federal Report Surplus Deficit	1923	2259	1353	859	1106	3609	4161	4567	4048	2606	3914	3885	3711	2469
38	1966 Federal Report Surplus Deficit	2048	2320	57.7	280	798	1627	1847	1481	1337	3966	2645	3117	3149	2262
39	1967 Federal Report Surplus Deficit	1711	473	295	-218	231	1609	3485	3710	3637	2002	184	3452	4247	2646
40	1968 Federal Report Surplus Deficit	1942	1741	542	22.1	871	1632	2741	2732	3487	1371	1247	2573	3881	2409
41	1969 Federal Report Surplus Deficit	1840	1629	1787	927	1947	2569	3862	4194	3360	3936	3838	4099	4042	2409
42	1970 Federal Report Surplus Deficit	1796	1190	502	45.0	654	683	1839	2526	2517	2490	935	3455	4267	1878
43	1971 Federal Report Surplus Deficit	805	-13.2	147	-229	345	964	3824	4350	4329	3963	3724	4079	4496	3019
44	1972 Federal Report Surplus Deficit	2355	2358	1254	370	525	1954	4060	4329	4749	4338	3367	4077	4451	2994
45	1973 Federal Report Surplus Deficit	2296	2375	1828	283	589	1570	2087	1164	623	-1114	757	2656	1477	1027
46	1974 Federal Report Surplus Deficit	865	-665	-382	-41.3	-179	2691	4128	4212	4506	4240	4067	4012	4407	3250
47	1975 Federal Report Surplus Deficit	2199	2368	1748	-321	484	1037	1718	2558	3218	1790	2156	3741	4436	3386
48	1976 Federal Report Surplus Deficit	1971	1885	1090	1150	2219	3949	3753	4123	3937	4105	3894	4030	4028	2866
49	1977 Federal Report Surplus Deficit	2343	2595	3647	372	519	78.6	-135	101	608	-1139	1031	1164	-1399	821
50	1978 Federal Report Surplus Deficit	115	-1275	-971	-530	-207	2311	2071	2224	2462	4006	2755	3551	3068	2479
51	1979 Federal Report Surplus Deficit	1266	382	1248	479	590	832	1436	281	2400	1575	2318	3831	2081	400
52	1980 Federal Report Surplus Deficit	282	-482	187	-23.8	440	-98.8	882	526	659	2811	2977	4149	3931	1287
53	1981 Federal Report Surplus Deficit	986	-306	344	117	421	3188	3084	3165	2761	227	2324	3587	4336	2460
54	1982 Federal Report Surplus Deficit	1987	2270	1097	26.9	800	2172	3263	4449	4554	3839	3363	3930	4298	2766
55	1983 Federal Report Surplus Deficit	2198	2425	2336	1023	930	2475	3565	3659	4232	3632	2745	3800	3933	2823
56	1984 Federal Report Surplus Deficit	2049	2321	1230	134	2461	2444	2926	3462	3593	4322	3883	3848	4496	2781
57	1985 Federal Report Surplus Deficit	2089	1620	932	198	825	1590	1435	1316	2116	3163	3271	3886	2907	-312
58	1986 Federal Report Surplus Deficit	-30.8	-1085	-52.0	924	1812	1360	2561	3408	4687	3843	3617	3408	3989	1871

Federal Report Surplus Deficit By Water Year

Operating Year 2017

2012 White Book Report Date: **10/19/2012**

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	1987 Federal Report Surplus Deficit	1408	154	78.6	-257	309	1723	1158	325	1873	1050	1855	3374	2664	801
60	1988 Federal Report Surplus Deficit	142	-920	-292	-188	311	-129	-691	-1120	518	265	1838	2659	1649	1749
61	1989 Federal Report Surplus Deficit	964	-272	-234	-198	7.28	1406	48.1	-763	1989	3297	3778	3599	2954	440
62	1990 Federal Report Surplus Deficit	506	-250	34.4	-97.6	935	1783	2215	2926	3182	2560	4069	3531	4023	1971
63	1991 Federal Report Surplus Deficit	1772	1349	210	-460	2125	2796	3065	3660	3309	3318	2655	3729	3881	2644
64	1992 Federal Report Surplus Deficit	1911	2148	359	-306	401	555	680	345	1733	239	994	2449	826	684
65	1993 Federal Report Surplus Deficit	214	-910	-794	-82.3	353	737	-1151	-1273	1555	947	1835	3598	3567	1621
66	1994 Federal Report Surplus Deficit	1267	453	174	-172	818	578	-598	-255	321	-170	1730	3233	2533	1401
67	1995 Federal Report Surplus Deficit	790	-566	-248	-288	-65.6	800	481	2327	3506	2033	1687	3182	4046	2147
68	1996 Federal Report Surplus Deficit	1334	644	685	1201	3010	3781	4149	4559	4652	3950	4178	3976	4218	2865
69	1997 Federal Report Surplus Deficit	2107	2258	299	-106	703	2428	4188	4258	4768	3918	4162	3940	4443	2957
70	1998 Federal Report Surplus Deficit	2294	2430	2285	2586	1865	2248	1909	1804	2078	1755	2534	4055	4356	2322
71	1999 Federal Report Surplus Deficit	2050	1152	371	-116	-19.5	1997	3716	4243	4375	3267	3405	3840	4478	2983
72	2000 Federal Report Surplus Deficit	2321	2563	1525	161	2504	2987	2442	2504	3100	3954	3938	3461	3308	2186
73	2001 Federal Report Surplus Deficit	1689	-407	152	-67.8	398	199	-112	-127	621	-695	1256	2167	-1824	829
74	2002 Federal Report Surplus Deficit	386	-759	-1084	-623	-77.7	761	-64.2	403	1099	2644	3632	3173	4114	2707
75	2003 Federal Report Surplus Deficit	1756	807	274	-488	704	422	-110	-50.0	2819	2702	2548	3218	4059	567
76	2004 Federal Report Surplus Deficit	73.0	-860	-441	55.3	542	1917	525	-628	1821	1973	2006	3267	3042	908
77	2005 Federal Report Surplus Deficit	306	-344	1217	169	542	1964	1561	1509	1426	305	1758	3398	3347	1267
78	2006 Federal Report Surplus Deficit	1241	-80.6	247	24.4	486	1302	2138	3537	3113	4228	4068	4124	4094	1902
79	2007 Federal Report Surplus Deficit	1235	265	-98.9	-450	953	1318	2473	1472	3840	3331	2757	3576	2993	2211
80	2008 Federal Report Surplus Deficit	987	-423	-560	62.7	364	963	678	603	1539	1873	608	3957	4536	2475

Ranked Averages

81	**Bottom 10 pct**	**144**	**-895**	**-138**	**11.6**	**462**	**1027**	**534**	**413**	**1988**	**2221**	**2573**	**3509**	**3352**	**1623**
82	**Middle 80 pct**	**1415**	**744**	**343**	**178**	**753**	**1651**	**1949**	**2076**	**2647**	**2546**	**2678**	**3512**	**3430**	**1944**
83	**Top 10 pct**	**2288**	**2452**	**2224**	**579**	**1106**	**1740**	**2052**	**2067**	**2446**	**1759**	**2308**	**3299**	**3125**	**2348**

Federal Report Surplus Deficit By Water Year

Operating Year 2018

2012 White Book Report Date: **10/19/2012**

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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	1326	1252	76.9	-54.2	334	28.4	-178	-305	138	-673	1055	2685	3206	-200
2	1930 Federal Report Surplus Deficit	570	-88.4	113	-110	330	148	-1032	-70.9	247	-95.5	1594	2918	606	1514
3	1931 Federal Report Surplus Deficit	864	-212	-492	-192	513	134	-1585	-1473	56.4	381	-403	3486	1643	1184
4	1932 Federal Report Surplus Deficit	-93.4	-1361	-145	-339	-218	16.7	-1672	-1476	2607	3459	3637	4735	4893	1769
5	1933 Federal Report Surplus Deficit	1529	1521	476	-4.68	-210	1456	1797	2900	2562	2358	2095	4246	5202	2886
6	1934 Federal Report Surplus Deficit	1712	2180	413	784	2692	3777	3950	4068	3626	3914	3700	4314	3752	1592
7	1935 Federal Report Surplus Deficit	364	-313	-569	-64.5	-376	1123	2014	2372	2746	1482	1540	3970	3614	2279
8	1936 Federal Report Surplus Deficit	1779	732	-130	-204	189	72.3	-734	-944	560	872	3453	4776	4527	1273
9	1937 Federal Report Surplus Deficit	1003	-296	-281	-220	503	94.4	-904	-1307	131	-213	-301	3482	2251	908
10	1938 Federal Report Surplus Deficit	726	-432	-371	-15.2	-151	1488	1857	1851	2546	3426	3803	4521	4540	2040
11	1939 Federal Report Surplus Deficit	989	42.7	333	60.8	138	64.5	763	498	1242	2160	2515	4348	2146	1116
12	1940 Federal Report Surplus Deficit	261	-556	-352	155	609	1408	746	-430	3291	2308	1939	4056	2632	1053
13	1941 Federal Report Surplus Deficit	539	-691	-569	-27.3	128	1233	-415	-375	546	46.0	771	3492	2405	1475
14	1942 Federal Report Surplus Deficit	674	-372	-431	-207	818	1588	1545	1163	1681	864	2275	3674	3928	2415
15	1943 Federal Report Surplus Deficit	1438	670	800	75.1	-357	905	2334	3086	3098	4212	4087	4482	5098	1978
16	1944 Federal Report Surplus Deficit	1418	864	1.77	-350	305	-1.27	-127	-246	93.2	-680	1041	2139	542	695
17	1945 Federal Report Surplus Deficit	372	-1103	-950	-25.9	281	-500	-1252	-604	197	-797	-639	4185	4414	405
18	1946 Federal Report Surplus Deficit	1136	212	-71.9	-251	59.5	1381	1566	1745	2685	3384	3891	4564	4619	2313
19	1947 Federal Report Surplus Deficit	1747	1306	412	-394	378	3327	3310	3581	3625	2747	2424	4530	4685	2419
20	1948 Federal Report Surplus Deficit	1488	533	311	2214	1825	2305	3411	2843	2541	2704	3607	4908	5152	2740
21	1949 Federal Report Surplus Deficit	1932	2341	1478	-7.22	261	963	1940	928	3425	3363	3596	4713	4630	378
22	1950 Federal Report Surplus Deficit	238	-689	-482	-190	192	994	3390	3538	3672	3928	3326	4536	4944	2518
23	1951 Federal Report Surplus Deficit	1970	2200	511	732	2125	3432	3910	4409	4091	3866	3630	4507	4382	2680
24	1952 Federal Report Surplus Deficit	1956	2061	468	1692	1149	2316	3061	3395	2832	3913	3978	4836	4846	2096
25	1953 Federal Report Surplus Deficit	1331	421	-386	-359	18.5	128	1440	1665	2385	1683	2019	4471	5235	2610
26	1954 Federal Report Surplus Deficit	1491	1017	342	-121	524	1756	2923	3305	3288	2868	2702	4565	4773	3065
27	1955 Federal Report Surplus Deficit	2235	2456	2966	51.5	1306	1347	730	279	791	695	1774	4176	5111	3195
28	1956 Federal Report Surplus Deficit	1810	1807	79.6	234	1731	3347	3923	4252	3899	3851	3969	4726	5203	2699
29	1957 Federal Report Surplus Deficit	1912	2133	336	152	219	1857	1847	1351	2553	3956	2592	4853	5101	2264
30	1958 Federal Report Surplus Deficit	1525	959	136	-111	373	604	2181	1764	2811	2788	3122	4797	4894	1795
31	1959 Federal Report Surplus Deficit	923	503	83.2	126	848	2970	3728	3917	3278	3324	2636	4145	4927	2204
32	1960 Federal Report Surplus Deficit	2143	2303	3194	3124	2747	2854	2756	1954	2569	4280	3556	4274	4585	2118
33	1961 Federal Report Surplus Deficit	1526	331	8.06	-36.3	243	1194	2651	2240	3388	3132	2010	4462	4979	2068
34	1962 Federal Report Surplus Deficit	1430	981	-163	-266	330	621	1971	1982	1065	3998	3880	4486	4786	703
35	1963 Federal Report Surplus Deficit	1143	357	-66.9	502	1098	2737	2515	2456	2424	1444	1767	4155	4202	2170
36	1964 Federal Report Surplus Deficit	1356	547	524	-287	-19.4	1091	1090	600	1075	3249	1836	4426	5210	3010
37	1965 Federal Report Surplus Deficit	1880	2205	1172	754	978	3424	4046	4424	3874	2443	3759	4589	4394	2447
38	1966 Federal Report Surplus Deficit	1999	2267	-124	174	669	1404	1813	1343	1167	3804	2483	3872	3872	2235
39	1967 Federal Report Surplus Deficit	1651	435	116	-327	107	1390	3393	3568	3465	1840	41.9	4190	4917	2625
40	1968 Federal Report Surplus Deficit	1899	1691	365	-85.4	743	1410	2683	2593	3316	1209	1094	3352	4549	2388
41	1969 Federal Report Surplus Deficit	1794	1579	1598	822	1828	2344	3751	4051	3189	3774	3678	4792	4731	2387
42	1970 Federal Report Surplus Deficit	1747	1149	323	-63.2	526	511	1805	2387	2347	2328	786	4190	4938	1842
43	1971 Federal Report Surplus Deficit	662	-53.9	-34.9	-338	219	773	3717	4206	4155	3791	3562	4770	5168	2991
44	1972 Federal Report Surplus Deficit	2294	2303	1075	263	398	1728	3942	4116	4573	4173	3203	4770	5122	2973
45	1973 Federal Report Surplus Deficit	2226	2325	1641	176	461	1353	2049	1027	452	-1278	609	3431	2294	985
46	1974 Federal Report Surplus Deficit	724	-714	-570	-149	-294	2469	4022	4068	4331	4078	3911	4710	5078	3222
47	1975 Federal Report Surplus Deficit	2140	2316	1564	-431	357	844	1686	2419	3047	1627	1997	4460	5107	3349
48	1976 Federal Report Surplus Deficit	1927	1832	912	1046	2104	3784	3648	3981	3764	3943	3735	4727	4711	2842
49	1977 Federal Report Surplus Deficit	2282	2550	3455	265	391	-64.3	-195	-35.3	437	-1303	881	1980	-437	778
50	1978 Federal Report Surplus Deficit	-34.7	-1339	-1184	-641	-321	2084	2032	2085	2293	3844	2592	4269	3790	2455
51	1979 Federal Report Surplus Deficit	1151	345	1066	373	463	650	1404	145	2230	1413	2157	4544	2872	360
52	1980 Federal Report Surplus Deficit	132	-530	4.16	-132	313	-185	846	389	489	2648	2812	4833	4605	1245
53	1981 Federal Report Surplus Deficit	856	-349	165	10.1	294	2982	3003	3024	2591	64.0	2162	4315	5008	2437
54	1982 Federal Report Surplus Deficit	1944	2215	919	-81.2	671	1945	3184	4307	4382	3677	3199	4628	4969	2745
55	1983 Federal Report Surplus Deficit	2149	2372	2143	919	802	2249	3472	3519	4059	3468	2583	4510	4616	2802
56	1984 Federal Report Surplus Deficit	2001	2268	1051	26.3	2348	2218	2864	3322	3423	4161	3724	4560	5167	2759
57	1985 Federal Report Surplus Deficit	2045	1573	755	90.7	697	1370	1404	1178	1946	3000	3106	4596	3650	-334
58	1986 Federal Report Surplus Deficit	-173	-1147	-240	819	1690	1148	2512	3268	4513	3680	3454	4142	4667	1836

Federal Report Surplus Deficit By Water Year

Operating Year 2018

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	1987 Federal Report Surplus Deficit	1298	115	-103	-367	184	1500	1126	189	1703	888	1698	4114	3410	759
60	1988 Federal Report Surplus Deficit	-7.87	-976	-485	-297	183	-215	-802	-1256	347	103	1681	3435	2470	1711
61	1989 Federal Report Surplus Deficit	828	-315	-427	-307	-113	1193	-14.4	-898	1819	3135	3618	4324	3693	400
62	1990 Federal Report Surplus Deficit	359	-294	-152	-206	807	1557	2173	2786	3011	2397	3914	4260	4703	1938
63	1991 Federal Report Surplus Deficit	1711	1306	27.8	-570	2009	2578	2993	3519	3138	3155	2492	4448	4563	2623
64	1992 Federal Report Surplus Deficit	1867	2093	180	-416	274	393	643	209	1563	76.1	843	3233	1676	642
65	1993 Federal Report Surplus Deficit	64.1	-964	-996	-190	226	559	-1302	-1408	1386	785	1678	4325	4274	1582
66	1994 Federal Report Surplus Deficit	1145	415	-11.8	-281	689	405	-701	-391	150	-333	1574	3977	3286	1360
67	1995 Federal Report Surplus Deficit	647	-614	-433	-397	-185	618	435	2188	3335	1871	1532	3932	4721	2115
68	1996 Federal Report Surplus Deficit	1219	607	507	1097	2902	3596	4035	4416	4473	3794	4027	4677	4889	2842
69	1997 Federal Report Surplus Deficit	2061	2202	117	-215	575	2201	4071	4114	4597	3753	4010	4638	5114	2934
70	1998 Federal Report Surplus Deficit	2235	2377	2091	2481	1745	2020	1874	1666	1909	1592	2373	4741	5025	2300
71	1999 Federal Report Surplus Deficit	2007	1112	191	-225	-138	1770	3613	4101	4201	3104	3242	4552	5149	2959
72	2000 Federal Report Surplus Deficit	2266	2512	1343	53.5	2392	2772	2394	2365	2930	3792	3781	4198	4030	2158
73	2001 Federal Report Surplus Deficit	1617	-454	-31.1	-176	271	60.6	-171	-263	450	-859	1104	2964	-836	787
74	2002 Federal Report Surplus Deficit	237	-812	-1308	-733	-197	584	-132	266	929	2482	3470	3923	4788	2685
75	2003 Federal Report Surplus Deficit	1680	770	91.6	-598	575	271	-180	-186	2649	2540	2386	3962	4738	520
76	2004 Federal Report Surplus Deficit	-69.5	-918	-638	-51.7	414	1691	482	-764	1651	1810	1848	4012	3767	865
77	2005 Federal Report Surplus Deficit	157	-388	1036	61.6	414	1737	1528	1371	1256	143	1600	4125	4061	1225
78	2006 Federal Report Surplus Deficit	1112	-124	63.7	-83.0	359	1092	2098	3397	2942	4065	3912	4806	4771	1862
79	2007 Federal Report Surplus Deficit	1107	227	-289	-560	825	1108	2424	1334	3668	3168	2594	4306	3729	2182
80	2008 Federal Report Surplus Deficit	849	-471	-763	-44.3	237	771	639	466	1369	1711	462	4657	5209	2450

Ranked Averages

81	**Bottom 10 pct**	**-3.23**	**-953**	**-331**	**-96.1**	**338**	**855**	**453**	**276**	**1818**	**2059**	**2413**	**4235**	**4066**	**1586**
82	**Middle 80 pct**	**1323**	**699**	**133**	**15.1**	**592**	**1426**	**1861**	**1944**	**2485**	**2342**	**2497**	**4243**	**4153**	**1933**
83	**Top 10 pct**	**2229**	**2400**	**2238**	**917**	**1280**	**1782**	**2128**	**1861**	**2215**	**1927**	**2345**	**4010**	**3793**	**2164**

Federal Report Surplus Deficit By Water Year

Operating Year 2019

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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	1301	1229	16.6	-100	431	159	-65.4	-185	106	-639	1137	1717	2235	-337
2	1930 Federal Report Surplus Deficit	536	-110	53.6	-155	426	278	-896	49.2	213	-67.0	1676	1962	-522	1434
3	1931 Federal Report Surplus Deficit	833	-233	-554	-238	607	253	-1429	-1340	22.3	407	-317	2556	594	1101
4	1932 Federal Report Surplus Deficit	-133	-1353	-207	-385	-113	147	-1506	-1344	2536	3517	3738	3885	3951	1689
5	1933 Federal Report Surplus Deficit	1506	1500	423	-50.2	-95.6	1541	1890	3013	2490	2401	2178	3360	4253	2793
6	1934 Federal Report Surplus Deficit	1692	2170	359	742	2804	3899	4086	4177	3568	3966	3802	3442	2812	1513
7	1935 Federal Report Surplus Deficit	328	-334	-633	-110	-254	1213	2108	2484	2674	1514	1621	3070	2662	2190
8	1936 Federal Report Surplus Deficit	1759	705	-195	-251	288	200	-603	-818	518	899	3550	3927	3589	1192
9	1937 Federal Report Surplus Deficit	973	-314	-347	-266	597	217	-775	-1177	97.0	-183	-215	2548	1223	817
10	1938 Federal Report Surplus Deficit	694	-449	-437	-60.7	-39.2	1572	1950	1963	2475	3482	3905	3654	3603	1952
11	1939 Federal Report Surplus Deficit	958	20.5	278	15.5	238	202	861	614	1190	2197	2600	3464	1130	1031
12	1940 Federal Report Surplus Deficit	226	-573	-414	110	702	1492	842	-308	3220	2349	2022	3155	1640	968
13	1941 Federal Report Surplus Deficit	504	-702	-635	-72.2	227	1320	-294	-254	503	72.8	853	2571	1406	1395
14	1942 Federal Report Surplus Deficit	642	-390	-495	-252	910	1671	1638	1276	1618	891	2360	2765	2991	2323
15	1943 Federal Report Surplus Deficit	1415	643	752	30.1	-234	1001	2429	3198	3027	4265	4196	3618	4152	1896
16	1944 Federal Report Surplus Deficit	1394	838	-60.3	-396	403	134	-16.8	-127	59.2	-647	1123	1152	-591	598
17	1945 Federal Report Surplus Deficit	337	-1106	-1021	-71.4	378	-341	-1101	-479	163	-759	-553	3285	3469	329
18	1946 Federal Report Surplus Deficit	1107	188	-136	-298	164	1466	1659	1858	2614	3437	3996	3700	3678	2223
19	1947 Federal Report Surplus Deficit	1706	1283	358	-441	475	3431	3422	3693	3562	2793	2509	3661	3745	2328
20	1948 Federal Report Surplus Deficit	1466	507	255	2177	1926	2388	3526	2955	2470	2751	3707	4067	4202	2647
21	1949 Federal Report Surplus Deficit	1911	2332	1436	-52.8	360	1057	2035	1042	3357	3417	3694	3857	3686	301
22	1950 Federal Report Surplus Deficit	200	-699	-551	-236	293	1085	3504	3650	3607	3987	3419	3666	4003	2427
23	1951 Federal Report Surplus Deficit	1949	2190	457	689	2230	3538	4041	4517	4045	3927	3729	3635	3447	2587
24	1952 Federal Report Surplus Deficit	1935	2049	415	1655	1242	2399	3169	3508	2760	3973	4083	3992	3903	2016
25	1953 Federal Report Surplus Deficit	1307	395	-453	-406	122	253	1533	1778	2315	1717	2102	3595	4284	2516
26	1954 Federal Report Surplus Deficit	1468	991	287	-167	618	1838	3026	3418	3218	2917	2789	3699	3833	2981
27	1955 Federal Report Surplus Deficit	2212	2445	2917	6.12	1401	1431	828	395	744	721	1856	3283	4164	3111
28	1956 Federal Report Surplus Deficit	1790	1791	20.0	189	1831	3451	4054	4363	3841	3914	4074	3873	4254	2605
29	1957 Federal Report Surplus Deficit	1891	2123	281	107	319	1939	1941	1464	2482	4015	2679	4026	4150	2176
30	1958 Federal Report Surplus Deficit	1501	933	77.0	-157	469	712	2276	1877	2739	2838	3214	3950	3951	1714
31	1959 Federal Report Surplus Deficit	893	477	24.5	81.2	940	3064	3853	4029	3209	3382	2722	3264	3982	2117
32	1960 Federal Report Surplus Deficit	2121	2294	3138	3078	2859	2948	2861	2066	2498	4328	3654	3386	3647	2031
33	1961 Federal Report Surplus Deficit	1503	306	-52.5	-81.9	342	1283	2753	2352	3319	3186	2093	3589	4034	1982
34	1962 Federal Report Surplus Deficit	1406	955	-224	-313	427	727	2064	2094	1012	4057	3983	3613	3846	606
35	1963 Federal Report Surplus Deficit	1117	331	-130	458	1191	2826	2616	2568	2353	1473	1849	3260	3265	2082
36	1964 Federal Report Surplus Deficit	1333	520	472	-334	87.1	1182	1185	715	1023	3305	1918	3550	4261	2922
37	1965 Federal Report Surplus Deficit	1859	2196	1127	713	1071	3530	4183	4532	3823	2485	3864	3730	3457	2354
38	1966 Federal Report Surplus Deficit	1978	2257	-184	129	762	1488	1905	1456	1114	3863	2569	2961	2931	2147
39	1967 Federal Report Surplus Deficit	1630	409	58.0	-373	210	1475	3508	3681	3401	1875	126	3283	3972	2530
40	1968 Federal Report Surplus Deficit	1878	1674	310	-131	835	1493	2783	2705	3248	1238	1175	2414	3610	2296
41	1969 Federal Report Surplus Deficit	1774	1562	1557	782	1929	2428	3876	4162	3120	3833	3780	3942	3784	2292
42	1970 Federal Report Surplus Deficit	1726	1124	267	-109	620	622	1898	2499	2277	2369	867	3296	3993	1762
43	1971 Federal Report Surplus Deficit	629	-75.4	-95.0	-384	319	874	3839	4312	4108	3853	3661	3922	4219	2906
44	1972 Federal Report Surplus Deficit	2271	2294	1029	218	495	1810	4073	4158	4477	4228	3295	3921	4173	2882
45	1973 Federal Report Surplus Deficit	2202	2315	1599	131	556	1439	2143	1140	413	-1236	690	2499	1287	897
46	1974 Federal Report Surplus Deficit	692	-726	-634	-195	-173	2553	4160	4171	4280	4135	4016	3857	4133	3142
47	1975 Federal Report Surplus Deficit	2117	2307	1521	-478	454	944	1779	2531	2975	1660	2080	3588	4159	3283
48	1976 Federal Report Surplus Deficit	1907	1818	864	1006	2209	3904	3769	4093	3708	4000	3836	3874	3768	2751
49	1977 Federal Report Surplus Deficit	2259	2538	3395	221	487	62.5	-85.3	82.3	397	-1260	962	1020	-1652	685
50	1978 Federal Report Surplus Deficit	-72.7	-1336	-1261	-683	-201	2166	2126	2197	2222	3903	2679	3398	2849	2363
51	1979 Federal Report Surplus Deficit	1123	319	1022	329	557	755	1497	263	2162	1442	2241	3674	1889	251
52	1980 Federal Report Surplus Deficit	94.1	-544	-57.0	-178	409	-27.4	944	505	449	2695	2902	3990	3665	1164
53	1981 Federal Report Surplus Deficit	827	-368	110	-35.2	391	3076	3112	3137	2519	90.8	2247	3433	4059	2344
54	1982 Federal Report Surplus Deficit	1923	2205	871	-127	764	2026	3292	4418	4352	3735	3292	3774	4024	2651
55	1983 Federal Report Surplus Deficit	2127	2363	2102	877	894	2332	3587	3632	4006	3525	2669	3646	3679	2708
56	1984 Federal Report Surplus Deficit	1979	2259	1004	-19.3	2457	2300	2966	3434	3353	4215	3826	3694	4219	2666
57	1985 Federal Report Surplus Deficit	2024	1553	705	45.0	790	1456	1497	1292	1879	3051	3199	3733	2700	-490
58	1986 Federal Report Surplus Deficit	-215	-1146	-305	777	1790	1237	2609	3381	4487	3740	3551	3254	3728	1757

Federal Report Surplus Deficit By Water Year

Operating Year 2019

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	1987 Federal Report Surplus Deficit	1272	91.9	-162	-413	286	1584	1220	306	1640	915	1779	3219	2459	665
60	1988 Federal Report Surplus Deficit	-46.2	-981	-553	-343	280	-53.2	-669	-1126	311	130	1763	2501	1459	1632
61	1989 Federal Report Surplus Deficit	797	-333	-496	-353	-2.63	1281	96.6	-772	1756	3187	3718	3446	2745	291
62	1990 Federal Report Surplus Deficit	324	-312	-216	-252	899	1639	2267	2898	2940	2439	4020	3378	3764	1856
63	1991 Federal Report Surplus Deficit	1690	1282	-32.7	-613	2113	2665	3099	3632	3068	3211	2578	3576	3625	2529
64	1992 Federal Report Surplus Deficit	1846	2082	122	-463	372	510	741	326	1501	103	924	2291	632	545
65	1993 Federal Report Surplus Deficit	26.1	-971	-1068	-235	324	667	-1151	-1276	1330	811	1760	3444	3337	1503
66	1994 Federal Report Surplus Deficit	1117	390	-75.3	-327	782	516	-571	-270	119	-303	1655	3078	2331	1279
67	1995 Federal Report Surplus Deficit	614	-628	-496	-443	-74.3	723	538	2300	3267	1905	1613	3027	3782	2028
68	1996 Federal Report Surplus Deficit	1191	580	452	1057	3013	3708	4172	4523	4450	3856	4134	3821	3944	2752
69	1997 Federal Report Surplus Deficit	2040	2192	57.4	-261	669	2283	4208	4217	4568	3812	4117	3784	4165	2844
70	1998 Federal Report Surplus Deficit	2213	2368	2050	2443	1844	2102	1967	1778	1843	1624	2457	3896	4081	2194
71	1999 Federal Report Surplus Deficit	1986	1086	132	-271	-25.4	1852	3733	4213	4155	3158	3334	3677	4201	2868
72	2000 Federal Report Surplus Deficit	2244	2502	1299	8.14	2502	2861	2491	2478	2858	3851	3884	3306	3089	2071
73	2001 Federal Report Surplus Deficit	1595	-468	-92.0	-222	368	190	-61.7	-143	410	-823	1185	2008	-2101	691
74	2002 Federal Report Surplus Deficit	201	-820	-1389	-776	-84.2	692	-18.5	382	880	2525	3567	3018	3847	2592
75	2003 Federal Report Surplus Deficit	1658	743	31.2	-645	668	394	-65.3	-66.8	2577	2584	2471	3063	3799	421
76	2004 Federal Report Surplus Deficit	-111	-920	-708	-96.8	508	1773	583	-639	1588	1844	1930	3112	2825	772
77	2005 Federal Report Surplus Deficit	120	-406	991	16.5	509	1819	1621	1483	1199	169	1682	3245	3123	1141
78	2006 Federal Report Surplus Deficit	1082	-142	2.51	-128	455	1183	2192	3509	2871	4120	4017	3964	3832	1784
79	2007 Federal Report Surplus Deficit	1078	203	-354	-603	917	1198	2521	1447	3604	3222	2681	3422	2783	2097
80	2008 Federal Report Surplus Deficit	817	-484	-835	-89.3	334	871	738	581	1312	1744	545	3801	4259	2360

Ranked Averages

81	**Bottom 10 pct**	**-42.2**	**-957**	**-396**	**-141**	**438**	**966**	**569**	**398**	**1765**	**2101**	**2501**	**3354**	**3117**	**1503**
82	**Middle 80 pct**	**1296**	**680**	**74.7**	**-29.8**	**692**	**1526**	**1971**	**2058**	**2427**	**2387**	**2588**	**3359**	**3190**	**1842**
83	**Top 10 pct**	**2206**	**2390**	**2191**	**873**	**1380**	**1873**	**2233**	**1966**	**2154**	**1973**	**2434**	**3119**	**2808**	**2073**

Federal Report Surplus Deficit By Water Year

Operating Year 2020

2012 White Book Report Date: **10/19/2012**

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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	1197	1179	-180	-298	240	-22.0	-241	-210	-63.0	-841	1001	2587	2932	-428
2	1930 Federal Report Surplus Deficit	419	-155	-142	-353	234	97.8	-1075	24.0	43.1	-269	1544	2824	320	1362
3	1931 Federal Report Surplus Deficit	722	-279	-752	-435	412	69.4	-1610	-1365	-141	206	-473	3395	1363	1025
4	1932 Federal Report Surplus Deficit	-258	-1361	-404	-582	-300	-33.4	-1689	-1370	2358	3313	3583	4605	4618	1618
5	1933 Federal Report Surplus Deficit	1405	1454	228	-248	-281	1344	1712	2985	2313	2198	2048	4137	4926	2722
6	1934 Federal Report Surplus Deficit	1595	2136	164	548	2633	3704	3893	4141	3388	3762	3646	4194	3480	1442
7	1935 Federal Report Surplus Deficit	209	-378	-832	-307	-433	1019	1930	2457	2496	1312	1489	3870	3341	2123
8	1936 Federal Report Surplus Deficit	1662	652	-395	-448	96.6	18.6	-780	-844	347	698	3409	4646	4252	1118
9	1937 Federal Report Surplus Deficit	864	-356	-547	-463	402	33.6	-953	-1202	-66.2	-385	-372	3390	1974	739
10	1938 Federal Report Surplus Deficit	582	-489	-638	-258	-225	1375	1772	1937	2298	3278	3750	4399	4263	1894
11	1939 Federal Report Surplus Deficit	848	-26.6	82.9	-182	48.5	23.1	686	589	1016	1995	2470	4234	1869	955
12	1940 Federal Report Surplus Deficit	108	-612	-612	-87.0	507	1295	667	-334	3042	2146	1892	3957	2357	891
13	1941 Federal Report Surplus Deficit	386	-736	-835	-270	37.0	1125	-470	-280	332	-128	715	3399	2129	1323
14	1942 Federal Report Surplus Deficit	529	-432	-693	-450	713	1474	1461	1251	1442	690	2230	3579	3655	2254
15	1943 Federal Report Surplus Deficit	1315	590	555	-168	-415	809	2250	3171	2848	4067	4029	4357	4823	1826
16	1944 Federal Report Surplus Deficit	1292	785	-258	-592	212	-45.6	-192	-152	-104	-849	987	2032	256	517
17	1945 Federal Report Surplus Deficit	220	-1129	-1228	-269	186	-513	-1281	-504	-0.43	-962	-716	4076	4137	226
18	1946 Federal Report Surplus Deficit	998	138	-335	-494	-23.6	1270	1482	1832	2436	3239	3841	4440	4342	2156
19	1947 Federal Report Surplus Deficit	1620	1235	163	-636	283	3232	3236	3664	3383	2589	2379	4406	4411	2260
20	1948 Federal Report Surplus Deficit	1367	454	60.2	1994	1728	2188	3339	2928	2293	2547	3561	4777	4876	2575
21	1949 Federal Report Surplus Deficit	1814	2297	1233	-250	170	864	1856	1017	3178	3214	3551	4584	4348	222
22	1950 Federal Report Surplus Deficit	78.6	-730	-755	-433	103	891	3318	3622	3426	3785	3283	4406	4670	2360
23	1951 Federal Report Surplus Deficit	1852	2156	263	495	2036	3340	3850	4481	3863	3722	3575	4380	4111	2518
24	1952 Federal Report Surplus Deficit	1839	2014	220	1471	1043	2199	2985	3480	2582	3770	3922	4705	4569	1947
25	1953 Federal Report Surplus Deficit	1205	343	-655	-602	-67.1	70.5	1357	1752	2138	1514	1972	4346	4959	2448
26	1954 Federal Report Surplus Deficit	1366	939	91.9	-365	425	1639	2843	3390	3040	2713	2658	4438	4498	2907
27	1955 Federal Report Surplus Deficit	2114	2407	2707	-192	1202	1235	652	370	571	520	1725	4072	4835	3039
28	1956 Federal Report Surplus Deficit	1693	1751	-176	-8.58	1632	3252	3862	4331	3660	3711	3913	4596	4927	2537
29	1957 Federal Report Surplus Deficit	1794	2089	85.8	-90.6	129	1740	1763	1439	2305	3814	2548	4722	4825	2108
30	1958 Federal Report Surplus Deficit	1401	881	-118	-354	276	524	2097	1851	2561	2633	3079	4666	4619	1644
31	1959 Federal Report Surplus Deficit	782	424	-171	-116	744	2864	3663	3998	3031	3178	2592	4033	4652	2050
32	1960 Federal Report Surplus Deficit	2023	2261	2933	2873	2690	2748	2677	2040	2321	4126	3502	4166	4310	1963
33	1961 Federal Report Surplus Deficit	1403	255	-249	-280	152	1088	2571	2326	3140	2982	1962	4337	4704	1914
34	1962 Federal Report Surplus Deficit	1304	903	-421	-510	235	539	1886	2068	839	3858	3824	4365	4512	525
35	1963 Federal Report Surplus Deficit	1012	280	-328	262	993	2626	2434	2541	2176	1272	1718	4051	3929	2014
36	1964 Federal Report Surplus Deficit	1231	467	277	-530	-100	988	1009	690	849	3101	1787	4307	4935	2852
37	1965 Federal Report Surplus Deficit	1763	2162	928	519	873	3332	3990	4496	3642	2281	3703	4461	4120	2285
38	1966 Federal Report Surplus Deficit	1880	2223	-380	-68.4	566	1290	1728	1430	941	3651	2439	3777	3600	2079
39	1967 Federal Report Surplus Deficit	1533	357	-137	-570	20.7	1279	3321	3652	3222	1672	-23.5	4064	4642	2462
40	1968 Federal Report Surplus Deficit	1782	1631	116	-329	639	1296	2602	2678	3069	1036	1040	3259	4275	2229
41	1969 Federal Report Surplus Deficit	1677	1520	1351	590	1731	2227	3687	4128	2942	3631	3624	4661	4448	2226
42	1970 Federal Report Surplus Deficit	1629	1074	71.6	-306	426	436	1720	2473	2099	2166	728	4077	4663	1692
43	1971 Federal Report Surplus Deficit	513	-121	-291	-581	129	684	3650	4275	3926	3649	3508	4640	4892	2830
44	1972 Federal Report Surplus Deficit	2172	2261	831	20.7	303	1612	3882	4121	4286	4022	3160	4640	4846	2812
45	1973 Federal Report Surplus Deficit	2103	2279	1395	-66.4	362	1243	1965	1115	243	-1441	550	3339	2018	819
46	1974 Federal Report Surplus Deficit	578	-760	-834	-392	-356	2353	3967	4131	4104	3935	3855	4581	4803	3071
47	1975 Federal Report Surplus Deficit	2018	2272	1318	-673	262	753	1602	2505	2797	1459	1950	4341	4831	3204
48	1976 Federal Report Surplus Deficit	1810	1780	667	814	2015	3708	3580	4061	3527	3800	3680	4597	4434	2680
49	1977 Federal Report Surplus Deficit	2161	2497	3194	23.3	294	-119	-261	57.0	226	-1465	825	1863	-729	605
50	1978 Federal Report Surplus Deficit	-196	-1350	-1477	-878	-385	1966	1948	2171	2045	3701	2548	4148	3517	2296
51	1979 Federal Report Surplus Deficit	1017	267	822	132	364	566	1321	238	1985	1241	2111	4416	2597	166
52	1980 Federal Report Surplus Deficit	-28.8	-579	-254	-375	217	-200	768	480	278	2492	2769	4703	4331	1088
53	1981 Federal Report Surplus Deficit	716	-411	-84.9	-233	199	2876	2927	3109	2341	-110	2117	4203	4732	2276
54	1982 Federal Report Surplus Deficit	1827	2171	675	-324	569	1827	3108	4385	4166	3530	3156	4499	4694	2582
55	1983 Federal Report Surplus Deficit	2029	2329	1892	684	698	2131	3400	3603	3826	3322	2538	4383	4342	2638
56	1984 Federal Report Surplus Deficit	1882	2224	806	-217	2267	2100	2784	3406	3175	4016	3677	4437	4891	2597
57	1985 Federal Report Surplus Deficit	1928	1507	509	-153	595	1260	1321	1266	1703	2847	3063	4467	3378	-575
58	1986 Federal Report Surplus Deficit	-338	-1162	-505	583	1591	1042	2428	3353	4295	3537	3410	4035	4392	1689

Federal Report Surplus Deficit By Water Year

Operating Year 2020

2012 White Book Report Date: **10/19/2012**

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	1987 Federal Report Surplus Deficit	1167	43.5	-358	-609	96.4	1387	1045	281	1464	714	1648	4011	3137	585
60	1988 Federal Report Surplus Deficit	-170	-1005	-755	-540	87.6	-225	-847	-1151	141	-71.4	1632	3344	2193	1561
61	1989 Federal Report Surplus Deficit	684	-375	-699	-550	-189	1086	-79.1	-798	1581	2983	3564	4210	3420	207
62	1990 Federal Report Surplus Deficit	206	-353	-414	-449	702	1441	2088	2871	2762	2236	3858	4148	4429	1787
63	1991 Federal Report Surplus Deficit	1592	1233	-229	-807	1918	2464	2915	3603	2889	3007	2448	4329	4288	2460
64	1992 Federal Report Surplus Deficit	1750	2047	-73.6	-658	181	325	565	300	1326	-98.4	787	3142	1398	464
65	1993 Federal Report Surplus Deficit	-97.0	-999	-1276	-433	133	479	-1332	-1302	1156	610	1628	4213	4001	1431
66	1994 Federal Report Surplus Deficit	1009	338	-274	-524	586	330	-749	-295	-50.2	-505	1523	3876	3013	1205
67	1995 Federal Report Surplus Deficit	498	-664	-693	-640	-260	535	362	2274	3088	1703	1481	3834	4447	1962
68	1996 Federal Report Surplus Deficit	1085	527	258	866	2852	3513	3980	4487	4259	3654	3969	4549	4614	2681
69	1997 Federal Report Surplus Deficit	1943	2159	-139	-458	475	2083	4015	4177	4380	3609	3953	4508	4838	2772
70	1998 Federal Report Surplus Deficit	2115	2334	1841	2257	1646	1902	1789	1752	1667	1422	2327	4610	4748	2139
71	1999 Federal Report Surplus Deficit	1890	1034	-63.1	-468	-211	1654	3544	4181	3973	2954	3198	4425	4873	2797
72	2000 Federal Report Surplus Deficit	2146	2466	1098	-190	2315	2661	2311	2451	2680	3649	3726	4094	3757	2004
73	2001 Federal Report Surplus Deficit	1495	-505	-289	-419	176	9.21	-237	-168	239	-1026	1049	2870	-1132	611
74	2002 Federal Report Surplus Deficit	79.7	-849	-1612	-971	-270	504	-194	357	708	2321	3425	3826	4513	2523
75	2003 Federal Report Surplus Deficit	1559	690	-165	-840	473	211	-241	-92.0	2400	2381	2341	3860	4463	337
76	2004 Federal Report Surplus Deficit	-234	-942	-913	-294	315	1575	408	-665	1412	1642	1799	3912	3494	693
77	2005 Federal Report Surplus Deficit	-2.21	-446	791	-181	317	1620	1444	1458	1025	-32.3	1551	4012	3789	1064
78	2006 Federal Report Surplus Deficit	972	-184	-194	-326	263	989	2013	3481	2693	3919	3857	4675	4496	1717
79	2007 Federal Report Surplus Deficit	968	154	-555	-797	720	1004	2341	1422	3425	3018	2550	4195	3457	2029
80	2008 Federal Report Surplus Deficit	704	-520	-1043	-287	143	681	562	556	1138	1542	400	4523	4933	2292

Ranked Averages

81	**Bottom 10 pct**	**-166**	**-981**	**-599**	**-338**	**247**	**778**	**391**	**372**	**1589**	**1899**	**2365**	**4121**	**3792**	**1430**
82	**Middle 80 pct**	**1192**	**637**	**-123**	**-226**	**501**	**1333**	**1790**	**2030**	**2250**	**2184**	**2445**	**4127**	**3877**	**1770**
83	**Top 10 pct**	**2108**	**2354**	**1986**	**676**	**1189**	**1677**	**2052**	**1939**	**1977**	**1769**	**2294**	**3896**	**3516**	**2002**

Federal Report Surplus Deficit By Water Year

Operating Year 2021

2012 White Book Report Date: **10/19/2012**

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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	1025	1044	-190	-315	204	-26.6	-332	-411	-51.5	-883	997	1720	2101	-463
2	1930 Federal Report Surplus Deficit	285	-264	-153	-371	196	93.0	-1121	-177	58.6	-312	1540	1957	-543	1332
3	1931 Federal Report Surplus Deficit	571	-387	-761	-453	368	82.0	-1617	-1575	-133	162	-470	2528	516	996
4	1932 Federal Report Surplus Deficit	-360	-1459	-414	-600	-323	-38.4	-1679	-1580	2441	3266	3582	3719	3809	1587
5	1933 Federal Report Surplus Deficit	1226	1314	213	-265	-291	1412	1566	2782	2395	2155	2046	3269	4121	2685
6	1934 Federal Report Surplus Deficit	1412	1987	150	533	2617	3716	3774	3936	3435	3699	3644	3323	2660	1411
7	1935 Federal Report Surplus Deficit	84.3	-486	-841	-324	-433	1077	1782	2256	2577	1268	1485	3004	2516	2087
8	1936 Federal Report Surplus Deficit	1479	530	-403	-466	62.7	17.9	-835	-1048	380	654	3410	3758	3438	1088
9	1937 Federal Report Surplus Deficit	708	-462	-554	-481	359	41.5	-1012	-1410	-58.3	-428	-369	2523	1130	709
10	1938 Federal Report Surplus Deficit	435	-595	-645	-276	-239	1444	1626	1738	2381	3233	3749	3525	3450	1860
11	1939 Federal Report Surplus Deficit	695	-137	69.5	-199	18.2	7.55	562	390	1070	1952	2469	3366	1028	926
12	1940 Federal Report Surplus Deficit	-20.0	-718	-621	-104	462	1364	538	-535	3114	2104	1889	3090	1522	861
13	1941 Federal Report Surplus Deficit	257	-838	-843	-287	5.34	1188	-545	-480	366	-173	711	2532	1292	1293
14	1942 Federal Report Surplus Deficit	383	-538	-702	-467	665	1544	1318	1052	1517	645	2229	2712	2836	2217
15	1943 Federal Report Surplus Deficit	1135	466	536	-185	-414	858	2101	2968	2926	4004	4014	3482	4017	1793
16	1944 Federal Report Surplus Deficit	1115	659	-267	-610	178	-57.6	-289	-352	-96.1	-891	984	1165	-608	487
17	1945 Federal Report Surplus Deficit	88.8	-1228	-1233	-286	149	-557	-1298	-708	7.53	-1003	-713	3210	3323	195
18	1946 Federal Report Surplus Deficit	839	25.8	-343	-512	-47.1	1336	1340	1633	2519	3192	3835	3565	3530	2120
19	1947 Federal Report Surplus Deficit	1434	1099	149	-654	247	3272	3097	3458	3438	2547	2378	3533	3600	2223
20	1948 Federal Report Surplus Deficit	1185	335	46.9	1979	1683	2258	3202	2726	2376	2504	3561	3880	4071	2538
21	1949 Federal Report Surplus Deficit	1636	2151	1211	-268	137	917	1707	818	3245	3169	3552	3703	3535	191
22	1950 Federal Report Surplus Deficit	-37.3	-832	-761	-451	73.4	948	3180	3417	3487	3733	3284	3533	3860	2323
23	1951 Federal Report Surplus Deficit	1674	2007	248	478	1998	3376	3726	4276	3896	3671	3575	3506	3296	2480
24	1952 Federal Report Surplus Deficit	1657	1865	205	1456	994	2269	2841	3276	2664	3718	3915	3813	3760	1913
25	1953 Federal Report Surplus Deficit	1029	226	-662	-620	-93.3	74.1	1217	1553	2221	1471	1969	3475	4155	2410
26	1954 Federal Report Surplus Deficit	1189	810	78.5	-382	384	1712	2698	3186	3111	2670	2658	3564	3688	2873
27	1955 Federal Report Surplus Deficit	1940	2265	2694	-209	1152	1303	529	171	615	475	1722	3205	4029	3006
28	1956 Federal Report Surplus Deficit	1512	1606	-187	-25.7	1586	3291	3739	4124	3708	3660	3906	3713	4123	2499
29	1957 Federal Report Surplus Deficit	1615	1940	72.5	-108	98.0	1813	1615	1240	2388	3759	2548	3822	4022	2072
30	1958 Federal Report Surplus Deficit	1222	753	-130	-372	238	555	1948	1652	2640	2591	3081	3776	3810	1613
31	1959 Federal Report Surplus Deficit	629	305	-183	-134	697	2918	3534	3791	3099	3132	2592	3164	3844	2014
32	1960 Federal Report Surplus Deficit	1847	2112	2930	2858	2675	2802	2532	1840	2404	4056	3503	3299	3497	1928
33	1961 Federal Report Surplus Deficit	1223	140	-259	-297	119	1149	2424	2126	3209	2938	1960	3465	3897	1879
34	1962 Federal Report Surplus Deficit	1128	774	-431	-528	199	572	1739	1868	1794	3076	3820	3493	3702	495
35	1963 Federal Report Surplus Deficit	843	164	-337	246	943	2688	2287	2341	2259	1228	1715	3185	3111	1979
36	1964 Federal Report Surplus Deficit	1054	345	262	-548	-122	1046	877	491	903	3056	1784	3437	4130	2817
37	1965 Federal Report Surplus Deficit	1582	2014	907	503	824	3367	3871	4291	3680	2239	3697	3583	3307	2247
38	1966 Federal Report Surplus Deficit	1703	2076	-391	-85.4	521	1360	1582	1232	1504	3247	2439	2911	2780	2043
39	1967 Federal Report Surplus Deficit	1349	240	-149	-588	-6.25	1345	3183	3446	3280	1629	-23.8	3196	3835	2424
40	1968 Federal Report Surplus Deficit	1600	1488	101	-346	594	1365	2454	2477	3134	992	1036	2393	3464	2192
41	1969 Federal Report Surplus Deficit	1494	1376	1328	574	1687	2298	3558	3922	3011	3579	3622	3774	3636	2189
42	1970 Federal Report Surplus Deficit	1446	942	58.7	-324	385	461	1575	2272	2183	2123	724	3210	3855	1660
43	1971 Federal Report Surplus Deficit	375	-231	-302	-599	98.8	726	3519	4072	3960	3599	3508	3752	4087	2794
44	1972 Federal Report Surplus Deficit	1999	2112	811	3.59	266	1684	3758	3928	4324	3960	3162	3753	4041	2776
45	1973 Federal Report Surplus Deficit	1931	2134	1372	-83.5	322	1308	1817	917	269	-1479	547	2473	1179	790
46	1974 Federal Report Surplus Deficit	435	-863	-842	-410	-359	2421	3848	3931	4132	3877	3849	3698	3995	3038
47	1975 Federal Report Surplus Deficit	1844	2126	1296	-691	226	797	1458	2304	2876	1415	1947	3470	4026	3176
48	1976 Federal Report Surplus Deficit	1630	1633	649	798	1976	3723	3448	3854	3573	3742	3678	3713	3622	2643
49	1977 Federal Report Surplus Deficit	1987	2358	3194	6.43	255	-118	-357	-142	255	-1504	821	991	-1608	576
50	1978 Federal Report Surplus Deficit	-306	-1447	-1479	-897	-389	2038	1800	1971	2128	3648	2548	3277	2697	2258
51	1979 Federal Report Surplus Deficit	851	150	801	116	324	601	1180	38.1	2066	1197	2109	3542	1764	134
52	1980 Federal Report Surplus Deficit	-141	-683	-264	-393	179	-248	642	281	306	2449	2770	3809	3521	1059
53	1981 Federal Report Surplus Deficit	561	-518	-98.4	-250	162	2930	2786	2906	2424	-155	2115	3334	3927	2238
54	1982 Federal Report Surplus Deficit	1645	2022	656	-342	524	1900	2965	4179	4192	3482	3158	3617	3886	2544
55	1983 Federal Report Surplus Deficit	1853	2181	1869	669	652	2203	3263	3399	3865	3277	2538	3509	3529	2601
56	1984 Federal Report Surplus Deficit	1705	2078	787	-234	2235	2172	2637	3203	3245	3954	3675	3562	4086	2559
57	1985 Federal Report Surplus Deficit	1748	1367	492	-170	551	1326	1180	1068	1782	2804	3065	3591	2553	-612
58	1986 Federal Report Surplus Deficit	-440	-1260	-513	567	1544	1103	2280	3150	4321	3487	3411	3168	3580	1657

Federal Report Surplus Deficit By Water Year

Operating Year 2021

2012 White Book Report Date: **10/19/2012**

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	1987 Federal Report Surplus Deficit	998	-68.0	-369	-628	67.7	1456	910	81.6	1538	669	1645	3145	2313	556
60	1988 Federal Report Surplus Deficit	-278	-1105	-762	-558	50.4	-269	-897	-1358	162	-115	1628	2477	1354	1530
61	1989 Federal Report Surplus Deficit	536	-481	-705	-568	-205	1147	-173	-1002	1654	2940	3563	3341	2597	176
62	1990 Federal Report Surplus Deficit	77.7	-459	-423	-467	654	1513	1940	2668	2839	2194	3851	3280	3616	1754
63	1991 Federal Report Surplus Deficit	1409	1098	-240	-826	1878	2529	2771	3398	2961	2962	2447	3458	3476	2422
64	1992 Federal Report Surplus Deficit	1568	1898	-85.7	-677	146	342	441	101	1398	-143	783	2275	551	434
65	1993 Federal Report Surplus Deficit	-208	-1100	-1280	-450	98.1	510	-1349	-1510	1216	565	1625	3345	3184	1400
66	1994 Federal Report Surplus Deficit	847	222	-282	-542	539	355	-806	-496	-40.3	-548	1520	3010	2187	1176
67	1995 Federal Report Surplus Deficit	361	-768	-703	-658	-275	569	251	2075	3156	1660	1477	2968	3637	1927
68	1996 Federal Report Surplus Deficit	919	408	243	851	2844	3540	3860	4283	4285	3603	3958	3668	3806	2644
69	1997 Federal Report Surplus Deficit	1764	2009	-150	-476	434	2155	3895	3977	4407	3555	3943	3625	4033	2737
70	1998 Federal Report Surplus Deficit	1940	2187	1818	2243	1600	1975	1643	1553	1745	1379	2326	3718	3942	2104
71	1999 Federal Report Surplus Deficit	1708	905	-74.8	-486	-224	1726	3412	3974	4006	2910	3200	3552	4068	2760
72	2000 Federal Report Surplus Deficit	1971	2321	1077	-207	2285	2723	2162	2251	2760	3598	3722	3227	2937	1968
73	2001 Federal Report Surplus Deficit	1314	-608	-299	-437	140	5.73	-334	-369	268	-1068	1045	2002	-2020	581
74	2002 Federal Report Surplus Deficit	-39.4	-950	-1609	-990	-283	534	-283	158	755	2279	3426	2960	3703	2485
75	2003 Federal Report Surplus Deficit	1378	569	-176	-858	428	218	-327	-292	2483	2338	2340	2994	3652	307
76	2004 Federal Report Surplus Deficit	-337	-1041	-919	-312	274	1647	293	-868	1487	1599	1796	3046	2674	663
77	2005 Federal Report Surplus Deficit	-118	-552	771	-198	278	1693	1299	1259	1351	-683	1548	3143	2969	1035
78	2006 Federal Report Surplus Deficit	817	-291	-204	-343	226	1047	1865	3277	2770	3857	3851	3780	3685	1685
79	2007 Federal Report Surplus Deficit	811	41.2	-563	-816	673	1062	2192	1223	3482	2974	2550	3327	2634	1994
80	2008 Federal Report Surplus Deficit	558	-623	-1048	-304	107	724	442	358	1201	1498	398	3639	4128	2255
	Ranked Averages														
81	**Bottom 10 pct**	**-274**	**-1081**	**-608**	**-355**	**214**	**804**	**298**	**168**	**1676**	**1777**	**2364**	**3248**	**2973**	**1399**
82	**Middle 80 pct**	**1027**	**513**	**-135**	**-243**	**468**	**1377**	**1667**	**1828**	**2329**	**2120**	**2443**	**3253**	**3060**	**1736**
83	**Top 10 pct**	**1934**	**2209**	**1971**	**660**	**1151**	**1735**	**1918**	**1740**	**2030**	**1720**	**2292**	**3022**	**2693**	**1969**

Federal Report Surplus Deficit By Water Year

Operating Year 2022

2012 White Book Report Date: **10/19/2012**

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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	988	1002	-231	-476	133	-122	-426	-462	-80.6	-937	978	2469	2889	-528
2	1930 Federal Report Surplus Deficit	229	-303	-194	-531	127	-2.15	-1260	-227	22.5	-363	1522	2703	277	1262
3	1931 Federal Report Surplus Deficit	525	-426	-804	-607	312	-26.8	-1792	-1611	-154	117	-489	3283	1325	928
4	1932 Federal Report Surplus Deficit	-438	-1480	-456	-756	-404	-133	-1873	-1622	2341	3221	3563	4490	4576	1520
5	1933 Federal Report Surplus Deficit	1189	1272	174	-423	-385	1244	1528	2734	2296	2105	2028	4024	4886	2624
6	1934 Federal Report Surplus Deficit	1371	1949	111	377	2536	3607	3713	3895	3376	3674	3629	4082	3443	1346
7	1935 Federal Report Surplus Deficit	22.1	-524	-885	-480	-537	919	1744	2206	2476	1220	1470	3757	3299	2025
8	1936 Federal Report Surplus Deficit	1438	487	-448	-626	-10.0	-80.0	-965	-1095	331	606	3390	4531	4210	1018
9	1937 Federal Report Surplus Deficit	664	-498	-601	-639	300	-66.0	-1138	-1453	-81.5	-476	-391	3276	1933	639
10	1938 Federal Report Surplus Deficit	387	-631	-693	-434	-331	1276	1588	1686	2282	3187	3731	4280	4218	1794
11	1939 Federal Report Surplus Deficit	650	-176	30.4	-360	-58.0	-76.6	501	338	1000	1903	2450	4118	1828	858
12	1940 Federal Report Surplus Deficit	-80.0	-754	-664	-262	401	1195	481	-583	3024	2054	1872	3840	2316	793
13	1941 Federal Report Surplus Deficit	198	-871	-889	-445	-66.0	1025	-656	-529	315	-221	695	3282	2087	1224
14	1942 Federal Report Surplus Deficit	334	-575	-746	-624	607	1374	1276	999	1426	597	2209	3463	3612	2155
15	1943 Federal Report Surplus Deficit	1098	423	495	-346	-520	710	2066	2920	2830	3972	4006	4237	4775	1725
16	1944 Federal Report Surplus Deficit	1079	615	-310	-769	107	-145	-377	-403	-121	-942	967	1917	213	419
17	1945 Federal Report Surplus Deficit	31.0	-1256	-1289	-445	83.4	-613	-1466	-756	-19.2	-1061	-742	3955	4091	126
18	1946 Federal Report Surplus Deficit	797	-15.2	-387	-676	-130	1170	1298	1580	2419	3145	3819	4319	4297	2055
19	1947 Federal Report Surplus Deficit	1394	1056	110	-813	176	3133	3052	3412	3364	2493	2354	4287	4366	2159
20	1948 Federal Report Surplus Deficit	1147	292	7.73	1817	1621	2088	3155	2677	2275	2453	3540	4659	4832	2475
21	1949 Federal Report Surplus Deficit	1592	2112	1162	-430	63.0	765	1671	765	3161	3120	3530	4463	4303	122
22	1950 Federal Report Surplus Deficit	-105	-864	-813	-611	-3.46	791	3134	3371	3407	3687	3257	4283	4623	2256
23	1951 Federal Report Surplus Deficit	1630	1969	209	313	1930	3241	3666	4229	3843	3624	3549	4258	4064	2415
24	1952 Federal Report Surplus Deficit	1615	1827	166	1289	937	2100	2800	3228	2563	3676	3899	4589	4526	1846
25	1953 Federal Report Surplus Deficit	992	184	-711	-779	-172	-29.4	1173	1501	2120	1420	1950	4229	4915	2347
26	1954 Federal Report Surplus Deficit	1152	767	39.4	-541	318	1540	2658	3139	3021	2617	2635	4320	4455	2808
27	1955 Federal Report Surplus Deficit	1898	2225	2634	-368	1098	1135	467	118	553	427	1704	3955	4791	2935
28	1956 Federal Report Surplus Deficit	1469	1566	-228	-190	1526	3154	3679	4079	3640	3615	3889	4477	4883	2436
29	1957 Federal Report Surplus Deficit	1571	1902	33.3	-272	22.4	1641	1578	1187	2285	3717	2524	4604	4780	2006
30	1958 Federal Report Surplus Deficit	1185	709	-170	-531	172	425	1912	1599	2543	2539	3057	4551	4576	1544
31	1959 Federal Report Surplus Deficit	584	262	-223	-293	642	2764	3478	3746	3010	3078	2564	3914	4608	1949
32	1960 Federal Report Surplus Deficit	1803	2074	2876	2697	2588	2648	2492	1788	2300	4028	3475	4050	4270	1866
33	1961 Federal Report Surplus Deficit	1187	97.7	-301	-454	51.2	988	2385	2075	3121	2888	1941	4221	4663	1816
34	1962 Federal Report Surplus Deficit	1091	731	-473	-684	128	440	1701	1817	820	3761	3800	4248	4470	423
35	1963 Federal Report Surplus Deficit	805	122	-380	87.7	894	2526	2250	2290	2158	1178	1697	3936	3888	1916
36	1964 Federal Report Surplus Deficit	1017	302	223	-705	-207	889	825	438	830	3006	1765	4190	4891	2749
37	1965 Federal Report Surplus Deficit	1539	1976	863	337	767	3233	3805	4245	3621	2183	3677	4340	4073	2178
38	1966 Federal Report Surplus Deficit	1660	2038	-431	-247	460	1191	1543	1179	920	3553	2414	3660	3559	1980
39	1967 Federal Report Surplus Deficit	1311	197	-189	-744	-78.3	1180	3137	3401	3201	1577	-46.7	3945	4598	2359
40	1968 Federal Report Surplus Deficit	1558	1447	62.4	-505	533	1196	2417	2427	3049	942	1018	3141	4230	2124
41	1969 Federal Report Surplus Deficit	1453	1335	1275	408	1626	2128	3501	3876	2922	3535	3600	4542	4405	2127
42	1970 Federal Report Surplus Deficit	1406	898	19.4	-482	320	337	1536	2221	2080	2068	702	3956	4617	1588
43	1971 Federal Report Surplus Deficit	322	-270	-343	-762	24.0	585	3466	4024	3905	3549	3481	4515	4842	2723
44	1972 Federal Report Surplus Deficit	1956	2074	769	-161	197	1513	3698	3880	4277	3922	3133	4515	4797	2706
45	1973 Federal Report Surplus Deficit	1890	2095	1322	-246	256	1144	1779	864	222	-1536	527	3221	1974	718
46	1974 Federal Report Surplus Deficit	384	-896	-887	-574	-462	2254	3784	3880	4085	3839	3832	4458	4754	2966
47	1975 Federal Report Surplus Deficit	1802	2087	1248	-855	156	654	1417	2254	2777	1362	1926	4219	4783	3098
48	1976 Federal Report Surplus Deficit	1587	1593	607	632	1909	3610	3396	3810	3507	3703	3656	4478	4389	2574
49	1977 Federal Report Surplus Deficit	1944	2316	3144	-150	193	-219	-446	-194	206	-1557	805	1749	-770	507
50	1978 Federal Report Surplus Deficit	-378	-1471	-1546	-1056	-492	1866	1763	1920	2026	3606	2525	4032	3473	2191
51	1979 Federal Report Surplus Deficit	812	108	756	-49.5	258	466	1136	-13.9	1966	1147	2089	4300	2557	66.6
52	1980 Federal Report Surplus Deficit	-212	-717	-306	-550	110	-299	584	229	259	2397	2747	4586	4289	989
53	1981 Federal Report Surplus Deficit	517	-556	-138	-407	93.5	2777	2743	2858	2323	-205	2095	4088	4692	2178
54	1982 Federal Report Surplus Deficit	1603	1984	614	-506	463	1728	2923	4135	4146	3431	3129	4374	4644	2475
55	1983 Federal Report Surplus Deficit	1809	2143	1811	502	592	2033	3217	3353	3805	3225	2514	4259	4292	2531
56	1984 Federal Report Surplus Deficit	1661	2039	744	-399	2162	2001	2600	3156	3154	3916	3650	4312	4842	2490
57	1985 Federal Report Surplus Deficit	1704	1325	452	-335	489	1161	1136	1015	1685	2752	3040	4349	3333	-678
58	1986 Federal Report Surplus Deficit	-524	-1285	-558	402	1485	944	2245	3102	4275	3437	3382	3912	4343	1582

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
59	1987 Federal Report Surplus Deficit	959	-108	-410	-785	-9.44	1287	859	29.2	1446	619	1626	3894	3096	487
60	1988 Federal Report Surplus Deficit	-352	-1133	-811	-713	-13.9	-324	-1032	-1402	120	-166	1609	3228	2153	1464
61	1989 Federal Report Surplus Deficit	489	-518	-755	-723	-292	987	-264	-1049	1562	2887	3540	4091	3378	107
62	1990 Federal Report Surplus Deficit	18.1	-496	-467	-624	599	1341	1903	2619	2741	2136	3831	4030	4386	1690
63	1991 Federal Report Surplus Deficit	1370	1055	-281	-982	1819	2364	2730	3351	2870	2911	2425	4211	4244	2361
64	1992 Federal Report Surplus Deficit	1525	1859	-125	-831	78.8	225	380	48.8	1306	-193	764	3025	1357	366
65	1993 Federal Report Surplus Deficit	-280	-1130	-1337	-608	32.1	379	-1516	-1553	1136	513	1604	4095	3958	1330
66	1994 Federal Report Surplus Deficit	806	180	-326	-699	479	230	-934	-547	-70.8	-601	1500	3759	2972	1106
67	1995 Federal Report Surplus Deficit	307	-802	-746	-815	-363	436	178	2023	3069	1607	1457	3716	4402	1858
68	1996 Federal Report Surplus Deficit	880	364	205	685	2747	3415	3796	4236	4239	3556	3943	4429	4567	2576
69	1997 Federal Report Surplus Deficit	1721	1971	-190	-639	369	1985	3833	3926	4360	3509	3926	4383	4789	2666
70	1998 Federal Report Surplus Deficit	1897	2148	1761	2075	1540	1803	1605	1501	1646	1323	2300	4487	4699	2035
71	1999 Federal Report Surplus Deficit	1666	862	-115	-649	-317	1555	3361	3929	3953	2855	3171	4303	4825	2692
72	2000 Federal Report Surplus Deficit	1928	2282	1030	-371	2209	2561	2126	2200	2660	3552	3701	3973	3713	1904
73	2001 Federal Report Surplus Deficit	1277	-643	-341	-595	75.8	-90.7	-423	-420	220	-1124	1024	2752	-1173	514
74	2002 Federal Report Surplus Deficit	-105	-981	-1684	-1144	-369	405	-380	106	687	2222	3398	3709	4472	2425
75	2003 Federal Report Surplus Deficit	1341	525	-217	-1014	373	111	-427	-343	2379	2282	2315	3744	4422	240
76	2004 Federal Report Surplus Deficit	-420	-1068	-971	-468	214	1475	223	-916	1392	1545	1774	3795	3452	595
77	2005 Federal Report Surplus Deficit	-186	-588	726	-354	216	1520	1259	1206	1004	-130	1526	3894	3746	966
78	2006 Federal Report Surplus Deficit	773	-328	-246	-504	157	890	1828	3230	2672	3822	3832	4556	4450	1615
79	2007 Federal Report Surplus Deficit	768	0.29	-609	-974	619	904	2155	1170	3405	2918	2523	4078	3415	1929
80	2008 Federal Report Surplus Deficit	509	-657	-1105	-459	47.0	590	389	317	1128	1450	381	4407	4889	2192
	Ranked Averages														
81	**Bottom 10 pct**	**-349**	**-1109**	**-657**	**-513**	**144**	**679**	**206**	**120**	**1569**	**1803**	**2341**	**4004**	**3749**	**1329**
82	**Middle 80 pct**	**982**	**474**	**-179**	**-403**	**397**	**1234**	**1606**	**1779**	**2231**	**2088**	**2422**	**4008**	**3834**	**1669**
83	**Top 10 pct**	**1891**	**2170**	**1918**	**497**	**1084**	**1577**	**1867**	**1689**	**1959**	**1673**	**2270**	**3776**	**3471**	**1900**

Federal Report Surplus Deficit By Water Year

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	1045	1082	-277	-495	125	-195	-414	-472	-115	-1029	909	1744	2045	-573
2	1930 Federal Report Surplus Deficit	304	-227	-239	-550	117	-75.5	-1203	-238	-8.13	-458	1453	1978	-599	1222
3	1931 Federal Report Surplus Deficit	597	-344	-840	-626	296	-82.7	-1696	-1631	-192	21.9	-552	2558	464	889
4	1932 Federal Report Surplus Deficit	-338	-1418	-496	-775	-399	-206	-1760	-1642	2379	3123	3497	3746	3753	1480
5	1933 Federal Report Surplus Deficit	1244	1350	129	-442	-367	1244	1485	2721	2333	2012	1960	3298	4067	2577
6	1934 Federal Report Surplus Deficit	1433	2026	68.1	360	2547	3551	3697	3880	3377	3559	3562	3352	2610	1306
7	1935 Federal Report Surplus Deficit	108	-444	-923	-499	-508	909	1700	2195	2511	1126	1401	3032	2461	1980
8	1936 Federal Report Surplus Deficit	1496	566	-490	-645	-16.3	-149	-916	-1110	318	511	3326	3785	3382	979
9	1937 Federal Report Surplus Deficit	730	-422	-637	-658	284	-127	-1093	-1470	-120	-570	-453	2550	1076	600
10	1938 Federal Report Surplus Deficit	455	-557	-730	-453	-318	1276	1545	1677	2319	3090	3664	3548	3391	1751
11	1939 Federal Report Surplus Deficit	714	-99.6	-13.6	-378	-60.7	-161	480	330	1008	1809	2384	3391	974	819
12	1940 Federal Report Surplus Deficit	1.57	-678	-705	-281	384	1196	456	-595	3051	1961	1804	3115	1466	755
13	1941 Federal Report Surplus Deficit	278	-798	-926	-463	-70.1	1020	-627	-540	303	-316	626	2557	1236	1184
14	1942 Federal Report Surplus Deficit	404	-499	-785	-643	586	1376	1237	991	1455	501	2143	2739	2779	2108
15	1943 Federal Report Surplus Deficit	1153	502	449	-365	-492	690	2021	2907	2862	3858	3926	3503	3955	1682
16	1944 Federal Report Surplus Deficit	1134	695	-354	-788	101	-226	-370	-414	-159	-1035	898	1191	-664	380
17	1945 Federal Report Surplus Deficit	110	-1189	-1318	-463	74.7	-725	-1379	-769	-57.3	-1152	-805	3231	3264	85.5
18	1946 Federal Report Surplus Deficit	856	60.9	-433	-695	-125	1168	1259	1571	2456	3047	3748	3586	3470	2009
19	1947 Federal Report Surplus Deficit	1456	1139	64.0	-832	168	3104	3016	3397	3373	2399	2288	3556	3542	2113
20	1948 Federal Report Surplus Deficit	1203	371	-39.3	1801	1604	2090	3121	2664	2312	2359	3474	3903	4014	2428
21	1949 Federal Report Surplus Deficit	1658	2190	1128	-448	57.8	749	1626	757	3182	3025	3465	3724	3477	81.3
22	1950 Federal Report Surplus Deficit	-17.1	-794	-847	-631	-5.42	780	3100	3356	3421	3584	3194	3552	3800	2210
23	1951 Federal Report Surplus Deficit	1689	2040	154	295	1919	3209	3646	4215	3830	3522	3484	3525	3235	2367
24	1952 Federal Report Surplus Deficit	1673	1899	115	1273	915	2102	2761	3214	2599	3573	3827	3838	3703	1802
25	1953 Federal Report Surplus Deficit	1044	260	-748	-799	-170	-94.3	1136	1492	2157	1326	1882	3500	4098	2300
26	1954 Federal Report Surplus Deficit	1208	848	-6.55	-560	305	1544	2616	3125	3046	2524	2570	3587	3630	2764
27	1955 Federal Report Surplus Deficit	1960	2303	2610	-387	1076	1134	447	109	551	331	1636	3230	3971	2893
28	1956 Federal Report Surplus Deficit	1527	1638	-272	-208	1507	3124	3659	4063	3642	3513	3817	3735	4065	2389
29	1957 Federal Report Surplus Deficit	1638	1980	-14.6	-291	19.0	1645	1534	1179	2322	3612	2458	3845	3964	1961
30	1958 Federal Report Surplus Deficit	1239	788	-218	-550	161	387	1867	1591	2576	2445	2993	3803	3754	1503
31	1959 Federal Report Surplus Deficit	647	341	-268	-311	623	2750	3452	3730	3033	2982	2499	3187	3787	1905
32	1960 Federal Report Surplus Deficit	1868	2151	2846	2681	2601	2633	2450	1778	2337	3906	3411	3324	3444	1821
33	1961 Federal Report Surplus Deficit	1245	179	-344	-473	46.3	981	2342	2065	3144	2793	1873	3490	3842	1772
34	1962 Federal Report Surplus Deficit	1150	815	-519	-703	120	404	1657	1807	1729	2929	3730	3518	3646	384
35	1963 Federal Report Surplus Deficit	864	203	-423	69.9	872	2520	2206	2279	2195	1083	1628	3211	3057	1871
36	1964 Federal Report Surplus Deficit	1075	384	180	-725	-201	878	796	430	838	2911	1696	3461	4073	2705
37	1965 Federal Report Surplus Deficit	1595	2044	813	320	746	3199	3790	4230	3614	2090	3605	3603	3246	2131
38	1966 Federal Report Surplus Deficit	1718	2109	-480	-266	442	1191	1500	1170	1437	3099	2348	2935	2725	1935
39	1967 Federal Report Surplus Deficit	1371	280	-231	-763	-77.7	1177	3102	3385	3214	1483	-112	3219	3777	2312
40	1968 Federal Report Surplus Deficit	1615	1521	15.2	-524	515	1197	2373	2415	3068	848	949	2416	3405	2077
41	1969 Federal Report Surplus Deficit	1505	1405	1235	391	1609	2130	3476	3860	2945	3432	3533	3797	3580	2081
42	1970 Federal Report Surplus Deficit	1468	981	-25.0	-501	306	293	1494	2210	2117	1974	634	3231	3795	1547
43	1971 Federal Report Surplus Deficit	387	-201	-396	-782	20.9	559	3439	4011	3893	3448	3416	3769	4024	2679
44	1972 Federal Report Surplus Deficit	2012	2144	720	-179	188	1516	3677	3863	4254	3810	3069	3770	3978	2660
45	1973 Federal Report Surplus Deficit	1946	2167	1281	-265	243	1140	1735	855	203	-1626	458	2496	1122	679
46	1974 Federal Report Surplus Deficit	452	-828	-931	-593	-437	2254	3767	3870	4066	3731	3761	3717	3933	2923
47	1975 Federal Report Surplus Deficit	1858	2157	1206	-875	147	629	1377	2243	2810	1268	1858	3489	3965	3060
48	1976 Federal Report Surplus Deficit	1642	1662	556	615	1898	3557	3367	3793	3506	3594	3589	3735	3564	2527
49	1977 Federal Report Surplus Deficit	2002	2391	3111	-168	181	-287	-439	-204	189	-1647	736	1019	-1662	468
50	1978 Federal Report Surplus Deficit	-283	-1406	-1563	-1076	-468	1871	1719	1910	2063	3502	2460	3302	2639	2144
51	1979 Federal Report Surplus Deficit	861	178	706	-67.5	246	433	1098	-23.5	2001	1052	2022	3568	1710	25.9
52	1980 Federal Report Surplus Deficit	-119	-643	-347	-569	100	-415	561	220	241	2304	2683	3834	3465	950
53	1981 Federal Report Surplus Deficit	582	-479	-182	-425	84.6	2762	2705	2844	2360	-300	2028	3361	3873	2131
54	1982 Federal Report Surplus Deficit	1667	2061	569	-525	446	1733	2884	4118	4125	3332	3066	3633	3823	2428
55	1983 Federal Report Surplus Deficit	1862	2208	1777	485	573	2036	3183	3338	3798	3129	2448	3525	3466	2485
56	1984 Federal Report Surplus Deficit	1717	2108	695	-418	2156	2005	2557	3142	3179	3804	3582	3580	4023	2443
57	1985 Federal Report Surplus Deficit	1760	1397	400	-353	473	1158	1098	1006	1718	2658	2976	3614	2496	-724
58	1986 Federal Report Surplus Deficit	-427	-1229	-603	385	1466	936	2199	3089	4255	3336	3318	3186	3518	1541

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
59	1987 Federal Report Surplus Deficit	1010	-37.5	-456	-805	-10.5	1287	828	20.0	1474	524	1557	3169	2258	449
60	1988 Federal Report Surplus Deficit	-254	-1063	-843	-732	-23.5	-436	-979	-1420	94.8	-261	1541	2503	1299	1424
61	1989 Federal Report Surplus Deficit	558	-441	-787	-743	-281	979	-255	-1063	1589	2793	3474	3363	2541	66.9
62	1990 Federal Report Surplus Deficit	96.4	-422	-508	-643	578	1344	1858	2607	2772	2043	3759	3303	3560	1647
63	1991 Federal Report Surplus Deficit	1430	1137	-324	-1003	1807	2361	2689	3336	2896	2816	2359	3482	3418	2314
64	1992 Federal Report Surplus Deficit	1588	1937	-169	-851	72.0	173	359	39.7	1333	-288	695	2300	497	327
65	1993 Federal Report Surplus Deficit	-186	-1060	-1363	-627	24.9	341	-1430	-1572	1150	417	1535	3369	3127	1290
66	1994 Federal Report Surplus Deficit	864	257	-369	-719	460	187	-888	-558	-107	-695	1431	3034	2132	1067
67	1995 Federal Report Surplus Deficit	382	-728	-786	-835	-350	401	170	2013	3091	1513	1388	2991	3578	1814
68	1996 Federal Report Surplus Deficit	930	437	149	668	2766	3373	3780	4222	4219	3454	3867	3690	3746	2530
69	1997 Federal Report Surplus Deficit	1776	2039	-241	-659	355	1989	3817	3916	4341	3405	3850	3642	3970	2621
70	1998 Federal Report Surplus Deficit	1953	2217	1726	2059	1521	1808	1562	1492	1678	1228	2233	3737	3879	1990
71	1999 Federal Report Surplus Deficit	1723	938	-167	-669	-302	1558	3331	3913	3939	2760	3107	3572	4006	2646
72	2000 Federal Report Surplus Deficit	1987	2356	989	-390	2206	2554	2080	2189	2694	3450	3631	3249	2879	1860
73	2001 Federal Report Surplus Deficit	1336	-569	-381	-614	67.3	-163	-416	-430	203	-1216	955	2026	-2075	475
74	2002 Federal Report Surplus Deficit	-16.9	-910	-1690	-1164	-354	367	-365	96.8	689	2128	3333	2985	3649	2378
75	2003 Federal Report Surplus Deficit	1398	607	-259	-1034	356	50.1	-409	-354	2416	2188	2248	3019	3597	201
76	2004 Federal Report Surplus Deficit	-314	-1000	-1001	-487	200	1479	211	-930	1420	1450	1706	3070	2618	556
77	2005 Federal Report Surplus Deficit	-97.2	-513	688	-373	205	1524	1217	1198	1284	-832	1457	3167	2913	927
78	2006 Federal Report Surplus Deficit	835	-255	-292	-523	147	879	1784	3216	2703	3709	3761	3802	3626	1574
79	2007 Federal Report Surplus Deficit	830	77.8	-648	-994	599	894	2110	1162	3415	2824	2457	3351	2578	1885
80	2008 Federal Report Surplus Deficit	572	-590	-1132	-477	39.4	564	372	308	1145	1356	314	3665	4071	2146
	Ranked Averages														
81	**Bottom 10 pct**	**-252**	**-1042**	**-691**	**-532**	**138**	**637**	**217**	**107**	**1611**	**1630**	**2275**	**3272**	**2916**	**1289**
82	**Middle 80 pct**	**1045**	**550**	**-222**	**-422**	**391**	**1209**	**1586**	**1767**	**2264**	**1974**	**2354**	**3276**	**3002**	**1625**
83	**Top 10 pct**	**1949**	**2242**	**1882**	**480**	**1074**	**1567**	**1837**	**1678**	**1963**	**1573**	**2203**	**3044**	**2635**	**1857**

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

Monthly 120-Hour Capacity
Operating Year 2014 to 2023
Using 1937-Water Conditions

Regional Report Surplus Deficit By Water Year

Operating Year 2014

2012 White Book Report Date: **10/19/2012**

S104-WB-20130606-150434

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Regional Report Surplus Deficit	5670	5166	6665	6240	5394	3217	2963	3507	5006	4571	5705	9289	8503	4711
2	1930 Regional Report Surplus Deficit	4672	2910	7050	5531	4901	3067	915	3774	4658	4886	6638	8044	6022	5684
3	1931 Regional Report Surplus Deficit	5065	3296	6722	5165	5302	2174	932	1919	4057	5803	2510	8899	5828	4752
4	1932 Regional Report Surplus Deficit	3293	1241	5762	4877	4388	2806	832	1770	7686	11355	10088	11074	10759	6244
5	1933 Regional Report Surplus Deficit	5319	4763	7544	5795	4664	4519	5828	8085	8701	8956	7543	9906	11140	7796
6	1934 Regional Report Surplus Deficit	6457	6771	7059	7370	8924	8928	9334	10477	10228	11417	9883	10078	8421	5754
7	1935 Regional Report Surplus Deficit	3912	2759	6187	5241	4482	3976	6062	7041	7887	8777	6924	9825	8817	6703
8	1936 Regional Report Surplus Deficit	6163	4466	6251	5740	5057	2983	1489	2315	5513	6197	9699	11206	10384	5758
9	1937 Regional Report Surplus Deficit	4940	3543	6221	5475	5343	3000	1303	2067	4747	5076	4014	9358	7391	5302
10	1938 Regional Report Surplus Deficit	5334	2911	6929	5450	4510	4246	5757	7444	8868	10552	10419	10725	10014	6797
11	1939 Regional Report Surplus Deficit	5244	4248	7126	6075	5035	3302	3719	5191	6545	8576	8068	10713	7617	5404
12	1940 Regional Report Surplus Deficit	4162	2073	6290	5721	5748	4189	2937	4455	8534	9336	8521	10421	8577	4797
13	1941 Regional Report Surplus Deficit	3804	1814	6605	5857	4715	3953	2688	3071	4766	5036	5214	8708	7799	4914
14	1942 Regional Report Surplus Deficit	3937	2109	6589	5784	5234	5477	5855	4514	5650	5780	7851	9537	10188	7136
15	1943 Regional Report Surplus Deficit	5696	5023	7731	5906	4464	4221	6767	7996	9312	12004	10941	10658	11046	6627
16	1944 Regional Report Surplus Deficit	5378	4566	6896	5953	5370	3357	3181	3787	4724	4283	5803	7278	4537	4252
17	1945 Regional Report Surplus Deficit	3789	1524	6018	5089	4967	1764	1539	3264	4600	3980	2789	10270	10106	4671
18	1946 Regional Report Surplus Deficit	5280	3565	7070	5636	5029	4470	5576	7077	8515	10634	10517	10773	10513	7107
19	1947 Regional Report Surplus Deficit	6065	5173	7461	5829	5363	8264	8660	9580	9517	9516	8277	10692	10508	7013
20	1948 Regional Report Surplus Deficit	5477	4314	7126	9492	7551	6400	8275	8244	8225	9577	10027	11354	10679	7620
21	1949 Regional Report Surplus Deficit	6475	6536	7724	6368	5345	4212	6227	4669	9769	10494	10387	11282	10412	4530
22	1950 Regional Report Surplus Deficit	4347	2669	6263	5788	5157	4090	8326	8555	10575	11331	9519	10281	10716	7444
23	1951 Regional Report Surplus Deficit	6471	6562	7431	7573	8192	8518	9254	10961	10942	11487	10010	10700	10329	7394
24	1952 Regional Report Surplus Deficit	6524	5654	7334	8971	6663	6437	7721	8733	9582	11457	10678	11265	10747	6957
25	1953 Regional Report Surplus Deficit	5427	4422	6370	5666	5184	3107	4638	6789	7943	8031	7741	10720	11230	7508
26	1954 Regional Report Surplus Deficit	6108	5880	7157	6190	5693	5577	7822	9143	9808	10035	8644	10640	10541	8089
27	1955 Regional Report Surplus Deficit	6914	7047	10607	6442	6751	4863	4457	3472	4158	5939	6853	9863	11144	8242
28	1956 Regional Report Surplus Deficit	6593	5933	6854	6721	7416	8282	9165	10470	10297	11180	10391	10913	11337	7730
29	1957 Regional Report Surplus Deficit	6347	5738	7265	6686	5329	5826	5892	5867	8753	11647	8791	11725	11079	6596
30	1958 Regional Report Surplus Deficit	5450	3397	7097	5974	5396	3990	6436	6918	8828	9731	9425	11210	10869	6279
31	1959 Regional Report Surplus Deficit	4923	4076	6857	5936	6451	7658	9026	9915	9798	10773	8480	10160	10737	6956
32	1960 Regional Report Surplus Deficit	6532	6104	10667	10798	9073	7348	7288	7362	8751	12166	9845	10299	10366	6501
33	1961 Regional Report Surplus Deficit	5923	4438	6709	6175	5344	4569	7019	7474	9659	10757	7341	10378	10496	6162
34	1962 Regional Report Surplus Deficit	5238	4698	6446	5820	5308	3585	6069	7185	6551	11708	10276	10686	10607	4657
35	1963 Regional Report Surplus Deficit	5709	4423	6614	6667	6739	7086	5971	7882	7390	8276	7653	10830	10721	6694
36	1964 Regional Report Surplus Deficit	5710	4744	7477	5868	4927	4597	4963	5507	6803	10476	7290	10349	11290	8030
37	1965 Regional Report Surplus Deficit	6605	5761	8200	7356	6287	8282	9126	10651	10458	9486	10416	10660	10132	6908
38	1966 Regional Report Surplus Deficit	6577	6504	6755	6622	5908	5050	5959	6356	6128	11422	8278	9958	9169	6676
39	1967 Regional Report Surplus Deficit	5673	4596	6758	5707	5021	5085	8164	9441	10240	8486	4397	10128	10824	7426
40	1968 Regional Report Surplus Deficit	6250	5348	7085	6330	6003	5091	7298	9035	9336	7354	5981	9077	10401	6985
41	1969 Regional Report Surplus Deficit	6261	5921	8801	7665	7565	6454	8761	10151	9458	11243	10112	11207	10650	7096
42	1970 Regional Report Surplus Deficit	5613	4243	7092	6135	5638	3794	5990	7003	8202	9070	6487	10606	10922	6038
43	1971 Regional Report Surplus Deficit	5500	4103	6767	5840	5354	4259	9076	10506	10714	11082	9640	11077	11262	8213
44	1972 Regional Report Surplus Deficit	7016	6727	7647	6901	5726	5510	9089	10498	11505	11880	9308	11049	10978	7946
45	1973 Regional Report Surplus Deficit	6758	6909	8152	6734	5748	5038	6188	5597	5325	3811	5416	8735	8391	5168
46	1974 Regional Report Surplus Deficit	4467	2479	6797	5456	5042	5735	9339	10542	10971	11423	10197	10358	10837	8412
47	1975 Regional Report Surplus Deficit	6820	6552	7680	5909	5478	4297	5917	7950	9381	7914	7299	10661	11141	8506
48	1976 Regional Report Surplus Deficit	6454	6110	7984	8009	8089	9123	8893	10207	10322	11514	9993	10998	10793	7702
49	1977 Regional Report Surplus Deficit	7207	7272	11359	6780	5533	3245	2845	4224	5030	3621	6002	6569	4573	4161
50	1978 Regional Report Surplus Deficit	3750	1514	5728	5413	4358	5613	5955	6981	8113	11061	8596	10721	9115	6895
51	1979 Regional Report Surplus Deficit	5582	4655	8787	6757	5566	3650	4810	3900	8345	7498	7599	11309	8210	4635
52	1980 Regional Report Surplus Deficit	3678	2655	6379	5754	5083	2944	3623	5189	5450	9204	9092	11602	10454	5477
53	1981 Regional Report Surplus Deficit	4421	2765	6890	6048	5240	7709	7935	7215	7517	5870	8571	10875	10849	7097
54	1982 Regional Report Surplus Deficit	6188	6626	7182	6194	5886	5838	7944	10375	11175	10987	9009	10616	10923	7556

Regional Report Surplus Deficit By Water Year

Operating Year 2014

2012 White Book Report Date: **10/19/2012** *Continued*

S104-WB-20130606-150434

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Regional Report Surplus Deficit	6826	6665	9137	7824	6156	6369	8513	9459	10750	10861	8425	10686	10579	7518
56	1984 Regional Report Surplus Deficit	6342	6078	7816	6535	8585	6326	7670	9257	9883	11860	10024	10783	11370	7735
57	1985 Regional Report Surplus Deficit	6365	5503	7795	6632	6155	4996	5416	6268	7756	10202	9230	10833	9206	3248
58	1986 Regional Report Surplus Deficit	3700	1379	6607	6158	7353	4524	7002	8969	11468	10904	9620	10215	10303	6203
59	1987 Regional Report Surplus Deficit	5385	3948	6833	5787	5317	5230	4341	3117	7591	6838	6933	10343	8334	5022
60	1988 Regional Report Surplus Deficit	3493	1012	6541	5306	4652	2753	1613	2400	4611	5514	7281	9588	8555	5769
61	1989 Regional Report Surplus Deficit	4272	2626	6843	4963	4435	3931	3231	3580	7142	10237	9858	10460	9004	4933
62	1990 Regional Report Surplus Deficit	4317	2541	6652	5482	5511	4710	6573	7983	9441	9450	10582	10185	10372	6565
63	1991 Regional Report Surplus Deficit	6193	5561	6662	5304	8015	6618	7589	9368	9328	10369	8427	10374	10060	7254
64	1992 Regional Report Surplus Deficit	6467	6570	6723	5623	5210	3273	3278	3783	6060	5680	5984	9600	7175	3732
65	1993 Regional Report Surplus Deficit	3103	1220	6197	5097	4962	3371	1229	1981	6550	6491	6843	10090	9521	6342
66	1994 Regional Report Surplus Deficit	5149	3758	6649	4990	5517	3242	1818	2168	4970	4893	6696	9540	8106	5388
67	1995 Regional Report Surplus Deficit	3892	1793	6586	4939	4478	2846	3955	7154	8824	9815	7186	10426	10704	6702
68	1996 Regional Report Surplus Deficit	5562	4603	7946	6788	9293	8797	9408	11080	11554	11393	11025	11058	10780	7776
69	1997 Regional Report Surplus Deficit	6647	5908	6873	6077	5748	6282	9398	10452	11482	11136	10643	10671	10895	7994
70	1998 Regional Report Surplus Deficit	6856	6440	9169	9937	7511	6050	5568	7328	7962	7928	8312	11404	11146	6966
71	1999 Regional Report Surplus Deficit	5945	4033	7164	6002	4886	5601	8673	10237	10787	10115	9589	10661	11297	8066
72	2000 Regional Report Surplus Deficit	7234	7359	8223	6380	8466	7162	6897	7778	9128	11521	10464	10306	9414	6482
73	2001 Regional Report Surplus Deficit	6210	3685	6778	5909	5187	3201	2781	3810	4879	4034	5831	8020	3541	4202
74	2002 Regional Report Surplus Deficit	3033	1567	5406	3569	4339	2847	2445	4130	5633	10325	9711	9684	10515	7439
75	2003 Regional Report Surplus Deficit	5910	4531	6958	5183	5346	3309	2284	3553	8654	9293	7921	9845	10501	5064
76	2004 Regional Report Surplus Deficit	3837	1634	6198	5246	5415	4358	3306	4213	5993	6757	7887	10262	9356	5442
77	2005 Regional Report Surplus Deficit	4316	3309	6969	5991	5188	5101	5322	5414	6294	5659	6792	10316	9642	5762
78	2006 Regional Report Surplus Deficit	4945	2812	6520	4739	5203	4434	6458	9202	9119	11752	10260	11194	10704	6397
79	2007 Regional Report Surplus Deficit	4415	2011	6717	5369	5570	4308	6572	6338	10171	10058	8263	10325	8902	6766
80	2008 Regional Report Surplus Deficit	5527	2495	6094	5057	4931	3342	3906	4410	6798	7841	5661	10764	11290	7263

Ranked Averages

81	**Bottom 10 pct**	**3480**	**1514**	**6080**	**5158**	**5013**	**3328**	**3030**	**4336**	**6764**	**8604**	**8003**	**10406**	**9916**	**6130**
82	**Middle 80 pct**	**5494**	**4332**	**7057**	**6159**	**5795**	**5072**	**5990**	**6949**	**8289**	**9115**	**8352**	**10335**	**9776**	**6402**
83	**Top 10 pct**	**6954**	**6872**	**8997**	**7113**	**6421**	**5317**	**6184**	**7038**	**7905**	**7934**	**7760**	**9909**	**9671**	**6874**

Regional Report Surplus Deficit By Water Year

Operating Year 2015

2012 White Book Report Date: **10/19/2012**

S104-WB-20130606-150434

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Regional Report Surplus Deficit	5360	4301	5761	5396	4768	2615	2481	3535	4763	4792	6792	7815	6763	2865
2	1930 Regional Report Surplus Deficit	3902	2006	5945	4801	4456	2504	1273	3746	4829	5484	7433	7045	2954	5078
3	1931 Regional Report Surplus Deficit	4079	2274	5529	4440	4618	2399	449	1574	4412	6343	4929	8233	3735	4318
4	1932 Regional Report Surplus Deficit	2397	470	4847	4274	3789	2366	200	1721	7950	10830	10724	10352	9153	5615
5	1933 Regional Report Surplus Deficit	5115	4862	6433	5314	4105	4674	5222	7883	8054	9129	8217	9190	9547	7217
6	1934 Regional Report Surplus Deficit	5746	6113	6477	6548	8233	8124	8756	9958	9766	11435	10464	9341	6827	5069
7	1935 Regional Report Surplus Deficit	3922	2600	5075	5006	3833	4189	5539	7292	8243	7945	7568	9118	7356	6263
8	1936 Regional Report Surplus Deficit	5482	3445	5135	4469	4367	2374	1678	2593	5389	7049	10537	10785	8830	4991
9	1937 Regional Report Surplus Deficit	4211	2588	5086	4380	4583	2374	1312	1723	4451	5206	4491	8168	5314	4268
10	1938 Regional Report Surplus Deficit	3947	2063	5827	4692	3965	4855	5399	6575	8061	10672	11041	10017	8749	6065
11	1939 Regional Report Surplus Deficit	4718	3487	5925	5415	4417	2691	4043	4793	6427	8818	8832	9969	5089	4564
12	1940 Regional Report Surplus Deficit	3387	1286	5254	4947	4768	4512	3817	3659	9257	9223	7999	9462	5685	4398
13	1941 Regional Report Surplus Deficit	2974	1052	5326	4851	3919	4237	2210	3563	5237	5425	5864	7853	4730	4465
14	1942 Regional Report Surplus Deficit	3478	1631	6138	5031	5241	4957	4935	5679	6893	6881	8403	8634	7871	6567
15	1943 Regional Report Surplus Deficit	4992	3968	7053	5415	3862	4051	6050	8282	8813	12085	11532	9950	9443	6067
16	1944 Regional Report Surplus Deficit	5233	4426	5793	4407	4516	2670	2633	3582	4807	4409	6907	5624	2042	2989
17	1945 Regional Report Surplus Deficit	3048	731	4788	4068	4021	1527	1106	3104	4855	4549	4278	9574	8549	3781
18	1946 Regional Report Surplus Deficit	4568	2817	6020	4591	4337	4712	5074	6430	8295	10749	11145	10062	8921	6542
19	1947 Regional Report Surplus Deficit	5764	4950	6485	4896	4864	7628	7516	9130	9582	9749	8935	10001	8919	6529
20	1948 Regional Report Surplus Deficit	4804	3265	6055	8635	6848	6033	7657	7981	8004	9774	10678	10577	9069	7084
21	1949 Regional Report Surplus Deficit	6036	6389	7918	5497	4716	3968	5467	5251	9256	10663	10812	10411	8845	3778
22	1950 Regional Report Surplus Deficit	3673	2034	5095	4588	4482	4121	7715	8967	9785	11450	10149	9560	9112	6924
23	1951 Regional Report Surplus Deficit	6143	6345	6741	6699	7483	7881	8660	10540	10312	11517	10646	9977	8490	6911
24	1952 Regional Report Surplus Deficit	6074	5671	6641	8134	5994	6075	7123	8783	8482	11551	11446	10528	9290	6208
25	1953 Regional Report Surplus Deficit	5040	4069	5141	4287	4058	2493	4942	6463	7893	8229	8328	10000	9649	6970
26	1954 Regional Report Surplus Deficit	5473	4930	6441	5256	5045	5292	7076	8680	9054	10156	9380	9936	8935	7507
27	1955 Regional Report Surplus Deficit	6609	6532	9820	5574	6073	4613	3960	4336	5277	6972	7580	9021	9491	7662
28	1956 Regional Report Surplus Deficit	5893	5829	6089	5819	6719	7663	8694	9691	9783	11267	10996	10199	9751	7185
29	1957 Regional Report Surplus Deficit	6116	6175	6507	5796	4702	5528	5486	5971	8203	11803	9156	10826	9510	6217
30	1958 Regional Report Surplus Deficit	5151	3800	6005	5171	4765	3668	6021	6677	8493	9958	10147	10493	9261	5659
31	1959 Regional Report Surplus Deficit	4630	3672	5764	5448	5424	7049	8407	9553	9126	10903	9213	9440	9141	6313
32	1960 Regional Report Surplus Deficit	6137	6244	10022	10006	8385	6820	6697	6850	8219	12217	10480	9542	8759	6047
33	1961 Regional Report Surplus Deficit	5240	3400	5548	5334	4644	4324	6478	7188	9231	10362	8023	9642	8894	5807
34	1962 Regional Report Surplus Deficit	4796	3792	5505	4487	4636	3400	5510	6847	6045	11831	10889	9973	9000	4154
35	1963 Regional Report Surplus Deficit	4828	3709	5565	5597	5753	6639	6364	7818	7828	8040	7970	9910	8259	6143
36	1964 Regional Report Surplus Deficit	4937	3876	6372	4952	4292	4271	4394	4893	6143	10651	7942	9594	9697	7497
37	1965 Regional Report Surplus Deficit	5969	6185	7571	6519	5626	7638	8614	10222	9899	9471	11026	9950	8547	6629
38	1966 Regional Report Surplus Deficit	6238	6394	6080	5748	5210	4772	5404	5938	6332	11547	9097	8879	7625	6117
39	1967 Regional Report Surplus Deficit	4978	3551	5706	4394	4345	4706	7691	9024	9393	8683	5205	9359	9181	6942
40	1968 Regional Report Surplus Deficit	5829	5373	6387	5439	5347	4840	6768	7905	9347	7562	6678	8209	8754	6424
41	1969 Regional Report Surplus Deficit	5659	5276	8077	6830	6865	6086	8140	9640	8977	11291	10738	10478	9060	6562
42	1970 Regional Report Surplus Deficit	5690	4591	6116	5360	5005	3474	5520	7543	8018	9274	6401	9718	9278	5796
43	1971 Regional Report Surplus Deficit	4577	3413	5714	4467	4689	3891	8179	10030	10261	11172	10389	10341	9665	7602
44	1972 Regional Report Surplus Deficit	6608	6438	7550	5989	5089	5246	8479	10020	11108	11935	10009	10312	9385	7374
45	1973 Regional Report Surplus Deficit	6426	6390	8271	5853	5106	4795	5843	5572	5314	3969	6084	7856	5416	4436
46	1974 Regional Report Surplus Deficit	3684	1607	5696	4645	4042	6339	8804	9983	10595	11497	10809	9640	9232	7837
47	1975 Regional Report Surplus Deficit	6391	6380	7917	4938	4837	4011	5304	7446	8794	8115	8027	9937	9543	7982
48	1976 Regional Report Surplus Deficit	6063	5720	7324	7174	7383	8348	8275	9713	9820	11598	10618	10278	9044	7246
49	1977 Regional Report Surplus Deficit	6665	6684	10605	5923	4900	2644	2339	3889	5161	4143	6272	5670	595	3668
50	1978 Regional Report Surplus Deficit	2807	701	4410	3926	3701	5635	5688	7231	7638	11152	9349	10012	7586	6634
51	1979 Regional Report Surplus Deficit	4877	3610	8052	5908	4937	3568	4565	4362	7802	7706	8316	10394	6236	3555
52	1980 Regional Report Surplus Deficit	2841	1810	5303	5083	4443	2275	4050	4796	5485	9437	9797	10857	8836	4970
53	1981 Regional Report Surplus Deficit	4100	2446	5871	5274	4616	7067	7275	8415	8222	5897	8418	9639	9243	6517
54	1982 Regional Report Surplus Deficit	5504	5953	6697	5367	5179	5529	7335	9990	10849	11162	9696	9889	9304	7148

Regional Report Surplus Deficit By Water Year

Operating Year 2015

2012 White Book Report Date: **10/19/2012** *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	6444	6419	9176	6987	5505	6024	7881	9023	10263	10990	8839	9920	8898	7181
56	1984 Regional Report Surplus Deficit	5978	6368	7151	5663	7878	5987	7041	8814	9452	11938	10500	10078	9712	7157
57	1985 Regional Report Surplus Deficit	5904	4970	6653	5835	5517	4750	4848	5740	7252	10356	9852	10109	7344	2582
58	1986 Regional Report Surplus Deficit	2842	822	5538	6642	6728	4204	6364	8571	11045	10998	10294	9487	8709	5643
59	1987 Regional Report Surplus Deficit	4681	2923	5727	4764	4681	4976	4546	4405	7132	7049	7660	9236	6668	4104
60	1988 Regional Report Surplus Deficit	2635	454	5381	4319	3795	1995	1620	1950	4867	6116	7864	8440	5407	5292
61	1989 Regional Report Surplus Deficit	3482	1735	5731	4377	3980	4229	2757	2860	7120	10522	10534	9744	7499	3682
62	1990 Regional Report Surplus Deficit	3539	1725	5606	4504	5279	4879	5952	7766	8686	9417	11188	9488	8842	5876
63	1991 Regional Report Surplus Deficit	5612	4849	5876	4151	7027	6214	6964	8909	8745	10451	8706	9632	8602	6736
64	1992 Regional Report Surplus Deficit	5782	5928	5971	4228	4544	3046	3702	4309	6628	5661	6294	7612	3619	3156
65	1993 Regional Report Surplus Deficit	2213	388	4876	4472	4077	3083	873	1642	6220	6792	7710	9414	8213	5455
66	1994 Regional Report Surplus Deficit	4420	2753	5576	4303	4804	2885	1815	3148	4794	5232	7582	8828	6618	4894
67	1995 Regional Report Surplus Deficit	3475	1336	5396	4135	3812	3327	3475	7108	9255	8326	7256	9500	9070	6165
68	1996 Regional Report Surplus Deficit	4818	3570	6820	6856	8613	8081	8846	10627	11136	11562	11612	10340	9221	7211
69	1997 Regional Report Surplus Deficit	6081	6130	6291	5120	5102	5946	8823	9912	11106	11224	11238	9982	9335	7448
70	1998 Regional Report Surplus Deficit	6563	6539	8836	9130	6815	5754	5638	6531	7499	8142	8603	10482	9501	6544
71	1999 Regional Report Surplus Deficit	5429	3415	6076	5053	4176	5395	8098	9799	10359	10259	10002	9934	9697	7519
72	2000 Regional Report Surplus Deficit	6709	6798	7848	5603	7687	6718	6342	7295	8642	11595	11058	9427	8006	6138
73	2001 Regional Report Surplus Deficit	5538	2755	5720	5093	4544	2594	2296	3438	5182	4544	6816	6992	-83.0	3003
74	2002 Regional Report Surplus Deficit	2487	1112	4434	3214	3760	3276	2648	4287	5813	9514	10379	8932	8915	6865
75	2003 Regional Report Surplus Deficit	5645	4519	5898	3687	4541	2695	2509	3542	8180	9455	8650	9093	8928	3826
76	2004 Regional Report Surplus Deficit	3033	929	5152	4746	4376	4888	3405	3065	6927	8140	7765	9239	7538	4358
77	2005 Regional Report Surplus Deficit	3541	2354	6241	5185	4552	4829	4771	5753	6167	5866	7516	9550	7903	4789
78	2006 Regional Report Surplus Deficit	4205	1919	5442	4269	4439	4123	5849	8738	8638	11734	10892	10452	9138	5745
79	2007 Regional Report Surplus Deficit	4272	2704	5597	4002	5173	4161	6123	5860	9857	10201	8945	9553	7308	6205
80	2008 Regional Report Surplus Deficit	4686	1742	5109	4627	4132	3459	3556	4434	6407	8194	6024	10004	9697	6715

Ranked Averages

81	**Bottom 10 pct**	**2649**	**851**	**5014**	**4598**	**4276**	**3384**	**2957**	**4220**	**6782**	**8783**	**8997**	**9418**	**7694**	**5618**
82	**Middle 80 pct**	**4925**	**3805**	**6117**	**5269**	**5114**	**4763**	**5561**	**6761**	**8051**	**9248**	**8940**	**9527**	**8033**	**5742**
83	**Top 10 pct**	**6552**	**6522**	**8753**	**6250**	**5751**	**4976**	**5723**	**6764**	**7757**	**8232**	**8309**	**9078**	**7605**	**6373**

Regional Report Surplus Deficit By Water Year

Operating Year 2016

2012 White Book Report Date: **10/19/2012**

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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	4678	4156	5249	5031	4330	2145	1822	3036	4195	2437	4406	9252	7624	2321
2	1930 Regional Report Surplus Deficit	3246	1988	5080	4436	4017	2034	661	3246	4264	3125	5034	8473	3958	4516
3	1931 Regional Report Surplus Deficit	3483	1890	4519	4074	4178	1930	-120	1041	3845	3980	2566	9637	4665	3758
4	1932 Regional Report Surplus Deficit	2222	-81.2	4630	3910	3359	1896	-350	1189	7456	8472	8291	11601	10002	5052
5	1933 Regional Report Surplus Deficit	4582	4063	5717	4948	3683	4210	4509	7393	7565	6767	5804	10525	10408	6682
6	1934 Regional Report Surplus Deficit	5210	5519	5834	6169	7824	7654	8075	9439	9312	9073	8036	10645	7664	4506
7	1935 Regional Report Surplus Deficit	3110	1810	4170	4638	3426	3724	4825	6807	7759	5581	5170	10482	8200	5706
8	1936 Regional Report Surplus Deficit	5094	3420	4766	4106	3930	1905	1057	2077	4834	4685	8096	12031	9670	4429
9	1937 Regional Report Surplus Deficit	3749	2010	4679	4018	4142	1905	687	1197	3884	2848	2128	9575	6226	3710
10	1938 Regional Report Surplus Deficit	3843	1925	4625	4326	3542	4391	4686	6093	7563	8314	8611	11311	9591	5499
11	1939 Regional Report Surplus Deficit	4177	2506	5416	5048	3982	2220	3350	4306	5887	6456	6408	11306	5989	4004
12	1940 Regional Report Surplus Deficit	2811	1327	4700	4576	4327	4049	3119	3154	8784	6861	5588	10826	6564	3838
13	1941 Regional Report Surplus Deficit	2909	825	4301	4482	3483	3772	1568	3063	4683	3063	3482	9247	5616	3902
14	1942 Regional Report Surplus Deficit	2759	959	4360	4665	4801	4494	4225	5196	6375	4517	5981	10011	8710	6016
15	1943 Regional Report Surplus Deficit	4495	3230	6211	5047	3455	3585	5336	7794	8334	9723	9149	11235	10301	5505
16	1944 Regional Report Surplus Deficit	4753	3767	5258	4048	4078	2199	1968	3084	4240	2053	4520	7073	3050	2433
17	1945 Regional Report Surplus Deficit	1857	-477	3371	3702	3582	1059	526	2592	4288	2196	1916	10932	9399	3188
18	1946 Regional Report Surplus Deficit	4072	2640	4969	4229	3906	4249	4364	5948	7802	8395	8731	11348	9763	5992
19	1947 Regional Report Surplus Deficit	5263	4384	5799	4537	4426	7166	6817	8631	9122	7388	6511	11296	9765	5976
20	1948 Regional Report Surplus Deficit	4492	2752	5518	8244	6423	5571	6960	7493	7510	7414	8242	11799	9931	6544
21	1949 Regional Report Surplus Deficit	5440	5789	7375	5131	4279	3502	4753	4766	8787	8304	8373	11675	9697	3183
22	1950 Regional Report Surplus Deficit	3254	1634	4451	4225	4047	3656	7018	8470	9321	9091	7707	10868	9960	6370
23	1951 Regional Report Surplus Deficit	5625	5653	6115	6321	7065	7419	7978	10020	9868	9159	8210	11279	9331	6370
24	1952 Regional Report Surplus Deficit	5413	5377	6014	7743	5557	5614	6419	8290	7994	9193	9036	11761	10144	5636
25	1953 Regional Report Surplus Deficit	4318	2970	4774	3927	3625	2023	4233	5981	7393	5866	5917	11307	10513	6424
26	1954 Regional Report Surplus Deficit	4658	4020	5814	4892	4605	4829	6369	8189	8582	7796	6948	11226	9780	6990
27	1955 Regional Report Surplus Deficit	5911	6019	9468	5208	5638	4149	3267	3847	4730	4608	5175	10371	10348	7143
28	1956 Regional Report Surplus Deficit	5360	5020	5448	5450	6293	7201	7944	9349	9328	8901	8584	11455	10613	6643
29	1957 Regional Report Surplus Deficit	5585	5614	5883	5428	4266	5066	4772	5488	7704	9444	6727	12035	10376	5659
30	1958 Regional Report Surplus Deficit	4904	3812	5344	4807	4326	3201	5307	6195	8010	7598	7707	11732	10112	5096
31	1959 Regional Report Surplus Deficit	3749	3241	5237	5080	4983	6589	7719	9045	8656	8545	6783	10765	9995	5753
32	1960 Regional Report Surplus Deficit	5658	5669	9856	9633	7976	6359	5990	6367	7722	9850	8041	10881	9602	5488
33	1961 Regional Report Surplus Deficit	4808	2991	5073	4968	4208	3860	5768	6705	8761	8004	5612	10937	9749	5247
34	1962 Regional Report Surplus Deficit	4661	3510	4979	4125	4197	2933	4797	6364	5506	9464	8469	11269	9847	3598
35	1963 Regional Report Surplus Deficit	4448	2971	4945	5223	5314	6178	5654	7180	7459	5676	5565	11265	9096	5584
36	1964 Regional Report Surplus Deficit	4548	3223	5845	4591	3863	3807	3693	4406	5604	8293	5537	10906	10559	6975
37	1965 Regional Report Surplus Deficit	5435	5611	6968	6139	5186	7175	7933	9702	9450	7108	8613	11222	9389	6074
38	1966 Regional Report Surplus Deficit	5690	5839	5393	5378	4769	4309	4691	5455	5794	9189	6669	10259	8462	5559
39	1967 Regional Report Surplus Deficit	4703	3046	5315	4031	3911	4242	6994	8525	8931	6320	2838	10709	10036	6395
40	1968 Regional Report Surplus Deficit	5346	4798	5762	5073	4907	4376	6057	7420	8881	5198	4290	9620	9605	5870
41	1969 Regional Report Surplus Deficit	5140	4794	7576	6448	6441	5625	7453	9137	8468	8933	8309	11724	9906	6007
42	1970 Regional Report Surplus Deficit	5200	4003	5530	4996	4565	3006	4807	7058	7520	6913	4023	11063	10131	5233
43	1971 Regional Report Surplus Deficit	3627	2350	5210	4105	4253	3424	7489	9508	9821	8812	7951	11585	10525	7078
44	1972 Regional Report Surplus Deficit	6089	5857	6945	5620	4650	4783	7796	9490	10678	9580	7568	11559	10246	6849
45	1973 Regional Report Surplus Deficit	5914	5861	7753	5485	4666	4331	5129	5089	4756	1628	3706	9263	6309	3878
46	1974 Regional Report Surplus Deficit	3322	1043	4535	4280	3627	5878	8120	9459	10164	9138	8394	10898	10086	7322
47	1975 Regional Report Surplus Deficit	5892	5846	7384	4579	4399	3545	4593	6962	8312	5751	5616	11243	10404	7483
48	1976 Regional Report Surplus Deficit	5567	5298	6698	6791	6965	7882	7585	9204	9366	9236	8189	11533	9901	6709
49	1977 Regional Report Surplus Deficit	6054	6214	10238	5553	4460	2175	1675	3396	4603	1793	3890	7098	1682	3112
50	1978 Regional Report Surplus Deficit	2179	90.6	3536	3570	3285	5174	4974	6535	7308	8792	6916	11315	8423	6082
51	1979 Regional Report Surplus Deficit	4410	3033	6732	5535	4498	3101	3856	3868	7294	5342	5901	11690	7107	3004
52	1980 Regional Report Surplus Deficit	2460	1450	4998	4718	4004	1802	3355	4306	4928	7077	7359	12088	9689	4391
53	1981 Regional Report Surplus Deficit	3508	1720	5388	4907	4178	6606	6573	7924	7733	3536	5999	10965	10106	5968
54	1982 Regional Report Surplus Deficit	5034	5363	6431	5003	4738	5067	6632	9575	10329	8804	7255	11148	10158	6609

Regional Report Surplus Deficit By Water Year

Operating Year 2016

2012 White Book Report Date: **10/19/2012** *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	5769	5825	8395	6606	5064	5563	7184	8529	9813	8633	6412	11214	9739	6648
56	1984 Regional Report Surplus Deficit	5427	5951	6914	5297	7464	5525	6331	8322	8981	9576	8072	11368	10572	6619
57	1985 Regional Report Surplus Deficit	5755	4931	6409	5469	5076	4287	4139	5257	6741	7997	7411	11394	8188	2057
58	1986 Regional Report Surplus Deficit	2281	637	4930	6263	6300	3739	5651	8081	10666	8641	7854	10828	9555	5076
59	1987 Regional Report Surplus Deficit	4206	2322	5178	4404	4246	4513	3842	3913	6614	4685	5258	10590	7512	3547
60	1988 Regional Report Surplus Deficit	2330	552	4422	3956	3356	1537	1004	1425	4305	3755	5460	9847	6303	4730
61	1989 Regional Report Surplus Deficit	3571	1488	4405	4015	3554	3764	2095	2347	6600	8165	8100	11064	8341	3131
62	1990 Regional Report Surplus Deficit	2930	1752	4918	4142	4839	4417	5238	7277	8207	7055	8777	10816	9685	5313
63	1991 Regional Report Surplus Deficit	4969	4195	5217	3795	6608	5753	6259	8410	8273	8093	6278	10938	9443	6197
64	1992 Regional Report Surplus Deficit	5252	5329	5392	3868	4106	2577	3008	3818	6107	3299	3911	9028	4546	2601
65	1993 Regional Report Surplus Deficit	1953	209	3622	4105	3639	2615	293	1112	5686	4429	5310	10742	9049	4893
66	1994 Regional Report Surplus Deficit	4128	2673	4597	3941	4363	2417	1191	2647	4226	2874	5182	10188	7466	4333
67	1995 Regional Report Surplus Deficit	3048	976	4513	3773	3387	2860	2794	6625	8785	5963	4860	10873	9925	5589
68	1996 Regional Report Surplus Deficit	4377	3302	5755	6472	8203	7603	8165	10107	10699	9227	9217	11604	10075	6682
69	1997 Regional Report Surplus Deficit	5591	5538	5560	4758	4662	5484	8143	9388	10678	8861	8840	11240	10197	6922
70	1998 Regional Report Surplus Deficit	5973	5985	8441	8741	6388	5292	4925	6048	6986	5778	6183	11716	10369	5957
71	1999 Regional Report Surplus Deficit	5154	3757	5506	4691	3753	4932	7407	9290	9915	7901	7561	11239	10557	6989
72	2000 Regional Report Surplus Deficit	6148	6286	7288	5236	7274	6258	5629	6811	8158	9242	8637	10777	8845	5578
73	2001 Regional Report Surplus Deficit	5036	2048	5206	4731	4105	2124	1631	2940	4625	2190	4429	8419	1051	2448
74	2002 Regional Report Surplus Deficit	1688	-6.26	2858	2858	3336	2809	1992	3797	5268	7152	7939	10303	9762	6321
75	2003 Regional Report Surplus Deficit	5000	3422	5128	3329	4101	2225	1855	3045	7687	7094	6226	10452	9776	3251
76	2004 Regional Report Surplus Deficit	2201	693	4281	4378	3935	4426	2720	2554	6407	5777	5358	10601	8376	3802
77	2005 Regional Report Surplus Deficit	2716	1651	6506	4817	4112	4367	4059	5270	5636	3504	5111	10875	8739	4230
78	2006 Regional Report Surplus Deficit	3901	1676	4653	3902	4000	3658	5135	8245	8159	9366	8477	11678	9994	5136
79	2007 Regional Report Surplus Deficit	3956	2243	4767	3646	4732	3697	5410	5377	9396	7842	6514	10886	8149	5644
80	2008 Regional Report Surplus Deficit	4047	1664	4108	4259	3694	2993	2866	3946	5876	5830	3653	11262	10560	6160

Ranked Averages

81	**Bottom 10 pct**	**2089**	**202**	**3956**	**4093**	**3849**	**2907**	**2101**	**3411**	**6423**	**6152**	**6131**	**10771**	**8859**	**4893**
82	**Middle 80 pct**	**4432**	**3343**	**5462**	**4920**	**4681**	**4299**	**4897**	**6300**	**7540**	**6922**	**6584**	**10841**	**8859**	**5210**
83	**Top 10 pct**	**5969**	**5987**	**8239**	**5878**	**5318**	**4512**	**5025**	**6271**	**7255**	**5877**	**5899**	**10405**	**8493**	**5831**

Regional Report Surplus Deficit By Water Year

Operating Year 2017

2012 White Book Report Date: **10/19/2012**

S104-WB-20130606-150434

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Regional Report Surplus Deficit	4182	3743	4845	4675	3934	1703	1316	2490	3797	2727	4806	7523	5937	1807
2	1930 Regional Report Surplus Deficit	2737	1578	4676	4080	3631	1592	160	2700	3866	3422	5444	6758	2099	3988
3	1931 Regional Report Surplus Deficit	2992	1480	4114	3718	3813	1490	-618	506	3428	4280	2936	7956	2894	3231
4	1932 Regional Report Surplus Deficit	1653	-521	4225	3554	2916	1454	-847	653	7089	8713	8687	10117	8320	4524
5	1933 Regional Report Surplus Deficit	4073	3643	5315	4592	3198	3771	3991	6844	7200	7036	6221	8930	8704	6147
6	1934 Regional Report Surplus Deficit	4654	5067	5432	5812	7265	7147	7555	8902	8942	9313	8426	9087	6005	3978
7	1935 Regional Report Surplus Deficit	2586	1398	3763	4282	2885	3286	4306	6256	7396	5871	5579	8853	6533	5177
8	1936 Regional Report Surplus Deficit	4543	3015	4358	3750	3529	1464	556	1537	4440	4983	8506	10547	8006	3902
9	1937 Regional Report Surplus Deficit	3261	1595	4271	3662	3775	1465	185	659	3467	3143	2496	7890	4476	3186
10	1938 Regional Report Surplus Deficit	3349	1509	4216	3970	3068	3952	4168	5541	7194	8559	9003	9767	7923	4976
11	1939 Regional Report Surplus Deficit	3687	2098	5014	4692	3568	1777	2839	3756	5500	6734	6829	9726	4254	3478
12	1940 Regional Report Surplus Deficit	2293	911	4295	4220	3966	3609	2607	2610	8422	7133	6005	9196	4855	3313
13	1941 Regional Report Surplus Deficit	2393	401	3893	4126	3074	3334	1065	2518	4289	3363	3879	7579	3898	3374
14	1942 Regional Report Surplus Deficit	2264	545	3954	4309	4450	4053	3709	4644	5997	4816	6402	8365	7051	5486
15	1943 Regional Report Surplus Deficit	3980	2825	5808	4691	2915	3148	4816	7244	7972	9964	9493	9701	8605	4977
16	1944 Regional Report Surplus Deficit	4247	3360	4853	3692	3678	1756	1462	2538	3823	2344	4922	5325	1186	1910
17	1945 Regional Report Surplus Deficit	1344	-913	2956	3346	3190	606	27.3	2050	3870	2481	2279	9311	7737	2667
18	1946 Regional Report Surplus Deficit	3585	2233	4563	3873	3467	3810	3848	5397	7436	8640	9104	9813	8089	5456
19	1947 Regional Report Surplus Deficit	4710	3969	5397	4181	4032	6689	6291	8085	8757	7651	6933	9753	8089	5446
20	1948 Regional Report Surplus Deficit	3967	2348	5115	7884	6046	5120	6434	6943	7143	7675	8642	10346	8226	6010
21	1949 Regional Report Surplus Deficit	4876	5327	6968	4775	3874	3065	4233	4215	8425	8549	8778	10168	8030	2664
22	1950 Regional Report Surplus Deficit	2714	1209	4039	3869	3630	3218	6492	7923	8959	9326	8124	9317	8280	5841
23	1951 Regional Report Surplus Deficit	5062	5200	5713	5964	6651	6939	7454	9483	9482	9392	8610	9733	7667	5837
24	1952 Regional Report Surplus Deficit	4848	4931	5612	7384	5211	5163	5894	7742	7629	9427	9405	10294	8464	5108
25	1953 Regional Report Surplus Deficit	3814	2566	4365	3571	3196	1583	3719	5430	7023	6151	6334	9744	8803	5893
26	1954 Regional Report Surplus Deficit	4153	3612	5412	4536	4229	4387	5845	7640	8220	8055	7371	9686	8106	6446
27	1955 Regional Report Surplus Deficit	5367	5554	9056	4851	5291	3710	2757	3298	4339	4908	5588	8759	8653	6601
28	1956 Regional Report Surplus Deficit	4794	4586	5044	5094	5924	6723	7421	8808	8959	9143	8956	9958	8907	6110
29	1957 Regional Report Surplus Deficit	5019	5163	5481	5072	3854	4622	4253	4937	7335	9679	7149	10591	8662	5130
30	1958 Regional Report Surplus Deficit	4393	3405	4940	4451	3941	2763	4787	5643	7647	7855	8127	10256	8427	4568
31	1959 Regional Report Surplus Deficit	3260	2837	4833	4724	4629	6122	7193	8502	8295	8787	7205	9178	8305	5225
32	1960 Regional Report Surplus Deficit	5101	5211	9449	9276	7404	5892	5466	5815	7354	10101	8447	9281	7936	4960
33	1961 Regional Report Surplus Deficit	4295	2587	4669	4612	3802	3422	5245	6154	8399	8252	6029	9387	8057	4719
34	1962 Regional Report Surplus Deficit	4159	3103	4575	3769	3804	2495	4278	5813	5118	9704	8849	9718	8170	3075
35	1963 Regional Report Surplus Deficit	3957	2566	4539	4867	4969	5718	5131	6629	7092	5969	5979	9646	7438	5055
36	1964 Regional Report Surplus Deficit	4043	2819	5443	4235	3416	3369	3180	3856	5216	8537	5950	9342	8853	6433
37	1965 Regional Report Surplus Deficit	4870	5152	6563	5782	4838	6694	7413	9165	9073	7381	8986	9705	7723	5545
38	1966 Regional Report Surplus Deficit	5130	5377	4989	5022	4411	3869	4173	4904	5406	9425	7091	8610	6803	5030
39	1967 Regional Report Surplus Deficit	4164	2642	4912	3675	3485	3803	6468	7979	8568	6603	3216	9113	8344	5865
40	1968 Regional Report Surplus Deficit	4781	4369	5360	4717	4548	3936	5534	6869	8519	5491	4692	7930	7937	5337
41	1969 Regional Report Surplus Deficit	4582	4364	7166	6090	6062	5174	6928	8597	8106	9169	8700	10240	8238	5479
42	1970 Regional Report Surplus Deficit	4647	3593	5127	4640	4190	2568	4290	6507	7151	7186	4416	9466	8442	4705
43	1971 Regional Report Surplus Deficit	3124	1940	4806	3749	3840	2987	6964	8972	9437	9053	8354	10103	8823	6543
44	1972 Regional Report Surplus Deficit	5545	5400	6541	5264	4258	4341	7273	8860	10246	9818	7988	10073	8543	6314
45	1973 Regional Report Surplus Deficit	5382	5397	7344	5129	4287	3892	4610	4538	4360	1903	4099	7577	4582	3353
46	1974 Regional Report Surplus Deficit	2824	620	4127	3924	3115	5425	7604	8925	9754	9374	8769	9399	8395	6778
47	1975 Regional Report Surplus Deficit	5346	5383	6976	4223	4005	3107	4077	6411	7949	6038	6033	9684	8701	6933
48	1976 Regional Report Surplus Deficit	5001	4860	6294	6433	6553	7383	7059	8662	8996	9472	8580	10037	8221	6175
49	1977 Regional Report Surplus Deficit	5509	5748	9835	5197	4079	1734	1169	2848	4208	2070	4287	5381	-274	2588
50	1978 Regional Report Surplus Deficit	1628	-356	3113	3213	2777	4727	4455	5983	6938	9029	7339	9758	6764	5553
51	1979 Regional Report Surplus Deficit	3921	2628	6326	5179	4118	2664	3341	3321	6921	5635	6319	10150	5407	2484
52	1980 Regional Report Surplus Deficit	1912	1029	4593	4362	3616	1354	2844	3757	4532	7338	7781	10623	8012	3863
53	1981 Regional Report Surplus Deficit	3019	1307	4986	4551	3786	6140	6048	7375	7367	3836	6419	9381	8400	5437
54	1982 Regional Report Surplus Deficit	4469	4910	6027	4647	4376	4622	6107	9034	9907	9042	7674	9647	8468	6076

Regional Report Surplus Deficit By Water Year

Operating Year 2017

2012 White Book Report Date: **10/19/2012** *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	5210	5364	7981	6249	4708	5114	6658	7981	9437	8874	6834	9677	8072	6110
56	1984 Regional Report Surplus Deficit	4867	5489	6510	4941	7015	5077	5808	7773	8620	9816	8462	9828	8871	6085
57	1985 Regional Report Surplus Deficit	5190	4510	6007	5113	4711	3848	3623	4706	6367	8250	7831	9864	6521	1531
58	1986 Regional Report Surplus Deficit	1691	194	4522	5906	5935	3301	5130	7532	10206	8877	8262	9226	7884	4546
59	1987 Regional Report Surplus Deficit	3715	1914	4775	4048	3826	4073	3329	3365	6235	4984	5670	8972	5845	3023
60	1988 Regional Report Surplus Deficit	1774	117	4012	3600	2967	1082	503	887	3908	4054	5873	8161	4573	4202
61	1989 Regional Report Surplus Deficit	3079	1073	3994	3659	3089	3327	1589	1805	6221	8415	8498	9488	6676	2610
62	1990 Regional Report Surplus Deficit	2412	1337	4512	3786	4488	3975	4718	6728	7845	7325	9147	9229	8016	4785
63	1991 Regional Report Surplus Deficit	4433	3781	4812	3438	6203	5296	5734	7864	7912	8338	6700	9379	7774	5663
64	1992 Regional Report Surplus Deficit	4690	4881	4989	3512	3707	2138	2497	3270	5727	3599	4309	7329	2779	2078
65	1993 Regional Report Surplus Deficit	1402	-221	3207	3749	3241	2177	-206	576	5300	4728	5721	9156	7391	4365
66	1994 Regional Report Surplus Deficit	3641	2269	4191	3585	4007	1979	690	2101	3827	3169	5593	8562	5794	3806
67	1995 Regional Report Surplus Deficit	2544	556	4108	3417	2919	2422	2285	6074	8424	6248	5268	9233	8248	5059
68	1996 Regional Report Surplus Deficit	3888	2898	5353	6114	7587	7090	7646	9570	10267	9455	9572	10096	8386	6144
69	1997 Regional Report Surplus Deficit	5028	5084	5156	4402	4288	5036	7622	8854	10231	9098	9198	9741	8493	6382
70	1998 Regional Report Surplus Deficit	5425	5523	8028	8382	6019	4846	4407	5497	6611	6067	6603	10247	8671	5428
71	1999 Regional Report Surplus Deficit	4590	3350	5102	4335	3277	4490	6881	8748	9529	8149	7979	9698	8855	6454
72	2000 Regional Report Surplus Deficit	5595	5822	6882	4880	6807	5797	5108	6260	7794	9476	9019	9165	7186	5050
73	2001 Regional Report Surplus Deficit	4513	1628	4802	4375	3712	1683	1125	2394	4230	2477	4830	6705	-961	1924
74	2002 Regional Report Surplus Deficit	1155	-435	2428	2500	2861	2371	1487	3248	4879	7421	8346	8663	8084	5789
75	2003 Regional Report Surplus Deficit	4480	3018	4724	2973	3738	1785	1350	2498	7321	7361	6647	8827	8102	2741
76	2004 Regional Report Surplus Deficit	1611	255	3868	4022	3560	3984	2211	2012	6029	6062	5773	8973	6716	3278
77	2005 Regional Report Surplus Deficit	2176	1235	6101	4461	3729	3924	3542	4719	5252	3804	5524	9292	7081	3704
78	2006 Regional Report Surplus Deficit	3412	1262	4249	3546	3610	3221	4615	7697	7797	9606	8851	10220	8319	4612
79	2007 Regional Report Surplus Deficit	3469	1837	4359	3288	4379	3259	4888	4826	9032	8092	6937	9295	6486	5116
80	2008 Regional Report Surplus Deficit	3553	1243	3692	3903	3297	2555	2356	3396	5491	6118	4038	9764	8853	5631

Ranked Averages

81	**Bottom 10 pct**	**1532**	**-235**	**3541**	**3736**	**3431**	**2463**	**1595**	**2868**	**6027**	**6421**	**6535**	**9171**	**7184**	**4365**
82	**Middle 80 pct**	**3908**	**2922**	**5057**	**4564**	**4271**	**3851**	**4380**	**5753**	**7161**	**7186**	**6984**	**9271**	**7161**	**4681**
83	**Top 10 pct**	**5423**	**5524**	**7830**	**5522**	**4932**	**4068**	**4507**	**5711**	**6868**	**6144**	**6306**	**8821**	**6767**	**5297**

Regional Report Surplus Deficit By Water Year

Operating Year 2018

2012 White Book Report Date: **10/19/2012**

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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	3667	3288	4467	4382	3569	1315	977	2108	3416	3508	5601	7307	6790	1407
2	1930 Regional Report Surplus Deficit	2165	1126	4299	3786	3265	1204	-247	2318	3485	4204	6233	6525	3136	3578
3	1931 Regional Report Surplus Deficit	2433	1028	3732	3425	3446	1075	-1092	126	3063	5063	3750	7689	3853	2818
4	1932 Regional Report Surplus Deficit	1074	-1023	3845	3260	2557	1066	-1348	273	6707	9492	9469	9738	9032	4118
5	1933 Regional Report Surplus Deficit	3581	3184	4943	4298	2846	3266	3692	6454	6817	7817	7005	8607	9414	5759
6	1934 Regional Report Surplus Deficit	4213	4595	5060	5522	6923	6719	7142	8506	8556	10095	9209	8747	6782	3571
7	1935 Regional Report Surplus Deficit	2008	945	3379	3989	2539	2797	4001	5868	7013	6652	6369	8548	7343	4784
8	1936 Regional Report Surplus Deficit	4098	2568	3972	3455	3164	1069	161	1156	4060	5766	9284	10170	8740	3490
9	1937 Regional Report Surplus Deficit	2710	1139	3883	3367	3407	1056	-203	279	3103	3925	3312	7626	5413	2772
10	1938 Regional Report Surplus Deficit	2786	1052	3826	3677	2714	3447	3868	5154	6813	9338	9786	9419	8658	4570
11	1939 Regional Report Surplus Deficit	3132	1647	4640	4399	3205	1406	2537	3372	5119	7515	7610	9395	5174	3064
12	1940 Regional Report Surplus Deficit	1717	454	3913	3928	3599	3102	2309	2228	8039	7914	6789	8892	5742	2899
13	1941 Regional Report Surplus Deficit	1818	-63.2	3505	3834	2710	2838	701	2135	3908	4146	4676	7301	4797	2965
14	1942 Regional Report Surplus Deficit	1700	89.7	3571	4015	4083	3545	3413	4259	5616	5599	7183	8072	7816	5098
15	1943 Regional Report Surplus Deficit	3495	2377	5434	4398	2569	2675	4502	6854	7589	10745	10290	9349	9314	4575
16	1944 Regional Report Surplus Deficit	3749	2911	4472	3396	3313	1380	1129	2155	3458	3125	5716	5134	2227	1497
17	1945 Regional Report Surplus Deficit	769	-1388	2553	3052	2825	289	-429	1669	3506	3262	3100	9005	8477	2237
18	1946 Regional Report Surplus Deficit	3040	1784	4179	3578	3108	3308	3553	5010	7054	9413	9893	9461	8829	5064
19	1947 Regional Report Surplus Deficit	4277	3514	5024	3885	3667	6225	5919	7693	8372	8432	7713	9406	8804	5056
20	1948 Regional Report Surplus Deficit	3495	1901	4742	7593	5690	4611	6055	6553	6761	8455	9423	9952	8936	5624
21	1949 Regional Report Surplus Deficit	4438	4858	6586	4482	3509	2586	3926	3830	8041	9329	9558	9803	8754	2257
22	1950 Regional Report Surplus Deficit	2135	743	3643	3575	3267	2731	6114	7532	8574	10103	8902	8971	8992	5451
23	1951 Regional Report Surplus Deficit	4622	4728	5341	5674	6300	6480	7040	9087	9094	10173	9391	9384	8408	5450
24	1952 Regional Report Surplus Deficit	4414	4460	5240	7094	4845	4653	5537	7351	7247	10205	10195	9908	9180	4705
25	1953 Regional Report Surplus Deficit	3315	2119	3973	3275	2835	1181	3424	5043	6641	6933	7118	9408	9515	5506
26	1954 Regional Report Surplus Deficit	3655	3161	5039	4242	3862	3876	5500	7250	7837	8835	8149	9335	8822	6054
27	1955 Regional Report Surplus Deficit	4908	5092	8654	4558	4927	3205	2454	2914	3958	5690	6375	8445	9362	6206
28	1956 Regional Report Surplus Deficit	4360	4120	4667	4801	5566	6261	7007	8414	8573	9912	9745	9587	9618	5723
29	1957 Regional Report Surplus Deficit	4583	4691	5108	4779	3491	4110	3949	4551	6953	10460	7928	10195	9376	4737
30	1958 Regional Report Surplus Deficit	3903	2955	4564	4157	3575	2319	4479	5257	7264	8635	8904	9875	9138	4163
31	1959 Regional Report Surplus Deficit	2705	2389	4457	4431	4261	5637	6790	8109	7911	9567	7984	8851	9014	4830
32	1960 Regional Report Surplus Deficit	4655	4740	9054	8980	7062	5408	5118	5428	6973	10881	9226	8960	8666	4565
33	1961 Regional Report Surplus Deficit	3808	2139	4291	4319	3437	2928	4909	5766	8016	9031	6813	9043	8766	4323
34	1962 Regional Report Surplus Deficit	3657	2653	4196	3474	3438	2048	3975	5425	4737	10474	9636	9371	8885	2662
35	1963 Regional Report Surplus Deficit	3431	2119	4156	4576	4603	5221	4797	6240	6710	6751	6765	9336	8194	4662
36	1964 Regional Report Surplus Deficit	3545	2371	5071	3939	3057	2881	2884	3472	4836	9316	6737	9004	9564	6042
37	1965 Regional Report Surplus Deficit	4435	4681	6187	5492	4471	6238	7003	8770	8686	8162	9775	9345	8449	5157
38	1966 Regional Report Surplus Deficit	4688	4908	4612	4730	4043	3363	3874	4518	5026	10205	7871	8319	7583	4636
39	1967 Regional Report Surplus Deficit	3707	2195	4537	3381	3123	3302	6090	7587	8183	7384	4025	8799	9053	5478
40	1968 Regional Report Surplus Deficit	4347	3905	4988	4424	4180	3430	5204	6480	8135	6274	5486	7672	8642	4951
41	1969 Regional Report Surplus Deficit	4143	3900	6778	5801	5706	4665	6523	8203	7723	9949	9484	9863	8972	5092
42	1970 Regional Report Surplus Deficit	4203	3141	4753	4346	3823	2131	3991	6119	6769	7966	5216	9147	9151	4301
43	1971 Regional Report Surplus Deficit	2554	1489	4428	3454	3477	2524	6565	8577	9048	9820	9134	9725	9533	6149
44	1972 Regional Report Surplus Deficit	5086	4929	6167	4971	3893	3831	6859	8371	9854	10595	8765	9697	9253	5927
45	1973 Regional Report Surplus Deficit	4911	4932	6960	4836	3920	3394	4306	4153	3979	2683	4898	7313	5492	2939
46	1974 Regional Report Surplus Deficit	2257	157	3742	3630	2767	4918	7206	8529	9364	10155	9557	9030	9104	6381
47	1975 Regional Report Surplus Deficit	4889	4916	6595	3926	3640	2642	3781	6022	7567	6820	6817	9343	9411	6524
48	1976 Regional Report Surplus Deficit	4566	4392	5921	6144	6201	6953	6663	8269	8609	10253	9363	9667	8948	5785
49	1977 Regional Report Surplus Deficit	5051	5291	9443	4905	3712	1337	835	2465	3828	2850	5084	5174	833	2174
50	1978 Regional Report Surplus Deficit	1049	-839	2692	2916	2428	4214	4150	5596	6556	9809	8117	9416	7543	5164
51	1979 Regional Report Surplus Deficit	3389	2181	5948	4887	3751	2212	3046	2938	6540	6417	7102	9802	6281	2074
52	1980 Regional Report Surplus Deficit	1332	568	4214	4068	3250	1034	2543	3373	4152	8119	8558	10236	8727	3450
53	1981 Regional Report Surplus Deficit	2467	853	4613	4258	3420	5655	5684	6985	6985	4618	7201	9053	9111	5049
54	1982 Regional Report Surplus Deficit	4034	4438	5654	4353	4008	4109	5746	8640	9520	9823	8451	9279	9178	5688

Regional Report Surplus Deficit By Water Year

Operating Year 2018

2012 White Book Report Date: **10/19/2012** *Continued*

S104-WB-20130606-150434

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Regional Report Surplus Deficit	4766	4895	7587	5959	4340	4603	6279	7590	9050	9653	7613	9326	8798	5725
56	1984 Regional Report Surplus Deficit	4425	5020	6136	4648	6667	4565	5470	7383	8236	10597	9245	9478	9580	5697
57	1985 Regional Report Surplus Deficit	4754	4050	5635	4820	4344	3347	3329	4321	5985	9030	8608	9512	7330	1146
58	1986 Regional Report Surplus Deficit	1121	-287	4136	5616	5576	2809	4810	7142	9817	9656	9041	8907	8603	4142
59	1987 Regional Report Surplus Deficit	3190	1465	4397	3753	3464	3567	3034	2982	5854	5766	6457	8661	6656	2610
60	1988 Regional Report Surplus Deficit	1195	-355	3619	3306	2601	763	102	507	3527	4836	6660	7899	5487	3794
61	1989 Regional Report Surplus Deficit	2518	618	3600	3364	2733	2833	1253	1424	5840	9195	9279	9155	7479	2200
62	1990 Regional Report Surplus Deficit	1837	881	4128	3491	4121	3465	4408	6338	7462	8106	9936	8902	8738	4383
63	1991 Regional Report Surplus Deficit	3973	3327	4434	3140	5851	4794	5382	7472	7528	9118	7479	9038	8499	5276
64	1992 Regional Report Surplus Deficit	4253	4410	4614	3216	3342	1716	2196	2886	5346	4381	5105	7078	3734	1665
65	1993 Regional Report Surplus Deficit	823	-690	2802	3456	2876	1733	-662	196	4919	5511	6509	8828	8149	3955
66	1994 Regional Report Surplus Deficit	3099	1821	3808	3290	3639	1542	300	1719	3446	3951	6381	8256	6617	3393
67	1995 Regional Report Surplus Deficit	1973	95.0	3726	3122	2563	1972	1972	5687	8040	7029	6058	8936	8964	4659
68	1996 Regional Report Surplus Deficit	3356	2451	4980	5825	7245	6635	7237	9174	9871	10243	10366	9731	9095	5755
69	1997 Regional Report Surplus Deficit	4589	4613	4778	4107	3921	4524	7210	8458	9846	9875	9991	9371	9203	5994
70	1998 Regional Report Surplus Deficit	4970	5055	7635	8090	5661	4333	4108	5110	6230	6848	7385	9863	9379	5041
71	1999 Regional Report Surplus Deficit	4155	2899	4726	4040	2923	3979	6487	8354	9140	8929	8757	9349	9565	6064
72	2000 Regional Report Surplus Deficit	5145	5357	6503	4587	6461	5301	4790	5871	7412	10256	9805	8850	7965	4654
73	2001 Regional Report Surplus Deficit	4038	1167	4423	4080	3347	1292	792	2012	3849	3258	5624	6471	183	1511
74	2002 Regional Report Surplus Deficit	576	-903	1994	2203	2507	1927	1143	2865	4498	8202	9125	8366	8797	5402
75	2003 Regional Report Surplus Deficit	4002	2571	4346	2676	3371	1377	1004	2116	6939	8141	7427	8521	8822	2320
76	2004 Regional Report Surplus Deficit	1041	-221	3469	3729	3193	3473	1901	1631	5648	6844	6558	8668	7500	2864
77	2005 Regional Report Surplus Deficit	1597	779	5724	4168	3363	3413	3245	4333	4871	4587	6310	8963	7849	3290
78	2006 Regional Report Surplus Deficit	2860	807	3869	3253	3244	2732	4308	7306	7414	10385	9639	9829	9036	4201
79	2007 Regional Report Surplus Deficit	2920	1388	3970	2991	4012	2771	4568	4440	8647	8871	7716	8969	7284	4719
80	2008 Regional Report Surplus Deficit	2989	781	3287	3610	2932	2091	2051	3012	5110	6899	4843	9398	9564	5240

Ranked Averages

81	**Bottom 10 pct**	**956**	**-713**	**3139**	**3442**	**3070**	**2034**	**1208**	**2485**	**5647**	**7202**	**7322**	**8853**	**7949**	**3959**
82	**Middle 80 pct**	**3406**	**2465**	**4678**	**4270**	**3910**	**3383**	**4035**	**5365**	**6778**	**7966**	**7771**	**8940**	**7931**	**4282**
83	**Top 10 pct**	**4966**	**5058**	**7443**	**5229**	**4569**	**3581**	**4176**	**5312**	**6485**	**6924**	**7093**	**8501**	**7562**	**4899**

Regional Report Surplus Deficit By Water Year

Operating Year 2019

2012 White Book Report Date: **10/19/2012**

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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	3257	2875	4098	4127	3164	912	535	1707	2969	1924	4509	6374	5335	876
2	1930 Regional Report Surplus Deficit	1744	718	3931	3531	2859	801	-658	1917	3036	2612	5142	5609	1468	3125
3	1931 Regional Report Surplus Deficit	2016	619	3360	3170	3036	657	-1474	-257	2614	3467	2665	6808	2293	2361
4	1932 Regional Report Surplus Deficit	646	-1392	3473	3005	2164	663	-1718	-112	6208	7940	8403	8965	7616	3665
5	1933 Regional Report Surplus Deficit	3173	2775	4582	4044	2465	2801	3224	6043	6317	6245	5916	7787	7988	5290
6	1934 Regional Report Surplus Deficit	3810	4200	4698	5273	6539	6304	6732	8090	8075	8536	8146	7945	5369	3118
7	1935 Regional Report Surplus Deficit	1585	538	3005	3735	2168	2340	3534	5456	6513	5064	5277	7708	5914	4319
8	1936 Regional Report Surplus Deficit	3695	2151	3597	3200	2761	662	-255	763	3600	4171	8214	9400	7330	3035
9	1937 Regional Report Surplus Deficit	2294	735	3507	3112	2998	643	-622	-108	2654	2335	2227	6740	3879	2305
10	1938 Regional Report Surplus Deficit	2368	649	3449	3423	2329	2981	3400	4743	6314	7783	8722	8624	7248	4107
11	1939 Regional Report Surplus Deficit	2716	1237	4277	4145	2804	1012	2076	2965	4645	5936	6523	8576	3658	2605
12	1940 Regional Report Surplus Deficit	1294	51.1	3541	3676	3188	2636	1845	1830	7541	6339	5699	8051	4258	2438
13	1941 Regional Report Surplus Deficit	1396	-458	3128	3580	2309	2377	271	1735	3448	2551	3584	6434	3303	2513
14	1942 Regional Report Surplus Deficit	1281	-315	3197	3761	3672	3078	2945	3849	5127	4004	6096	7220	6406	4628
15	1943 Regional Report Surplus Deficit	3089	1960	5082	4144	2199	2226	4038	6443	7089	9187	9235	8558	7891	4120
16	1944 Regional Report Surplus Deficit	3342	2495	4100	3140	2910	983	684	1754	3009	1539	4624	4176	553	1022
17	1945 Regional Report Surplus Deficit	347	-1772	2169	2798	2420	-74.7	-819	1275	3057	1682	2016	8166	7057	1790
18	1946 Regional Report Surplus Deficit	2626	1372	3805	3323	2714	2844	3085	4599	6554	7855	8833	8670	7414	4598
19	1947 Regional Report Surplus Deficit	3845	3101	4663	3629	3262	5786	5477	7282	7885	6863	6626	8608	7391	4588
20	1948 Regional Report Surplus Deficit	3090	1484	4378	7351	5291	4144	5616	6142	6262	6889	8356	9193	7510	5154
21	1949 Regional Report Surplus Deficit	4034	4464	6240	4227	3107	2134	3460	3422	7546	7772	8489	9023	7334	1810
22	1950 Regional Report Surplus Deficit	1710	350	3262	3320	2867	2275	5675	7121	8083	8553	7826	8173	7577	4982
23	1951 Regional Report Surplus Deficit	4218	4333	4981	5424	5907	6044	6623	8670	8629	8624	8324	8582	7002	4979
24	1952 Regional Report Surplus Deficit	4010	4063	4879	6851	4435	4186	5088	6941	6746	8655	9136	9144	7762	4251
25	1953 Regional Report Surplus Deficit	2907	1703	3594	3019	2438	771	2956	4633	6143	5348	6028	8600	8087	5034
26	1954 Regional Report Surplus Deficit	3248	2745	4675	3987	3454	3407	5046	6839	7339	7270	7066	8541	7409	5595
27	1955 Regional Report Surplus Deficit	4500	4696	8298	4304	4519	2740	1993	2508	3492	4095	5284	7615	7940	5749
28	1956 Regional Report Surplus Deficit	3956	3717	4298	4548	5165	5822	6590	8002	8092	8367	8685	8812	8191	5251
29	1957 Regional Report Surplus Deficit	4179	4296	4744	4526	3090	3641	3482	4141	6455	8909	6843	9456	7947	4273
30	1958 Regional Report Surplus Deficit	3496	2539	4197	3902	3168	1886	4013	4846	6764	7072	7826	9108	7720	3709
31	1959 Regional Report Surplus Deficit	2289	1973	4090	4178	3851	5184	6365	7697	7415	8014	6900	8037	7594	4368
32	1960 Regional Report Surplus Deficit	4249	4346	8688	8725	6678	4957	4666	5017	6473	9316	8157	8137	7254	4102
33	1961 Regional Report Surplus Deficit	3401	1724	3921	4064	3036	2469	4452	5355	7520	7474	5723	8239	7345	3862
34	1962 Regional Report Surplus Deficit	3248	2237	3825	3219	3034	1613	3508	5014	4264	8923	8574	8568	7472	2186
35	1963 Regional Report Surplus Deficit	3020	1703	3783	4324	4193	4763	4339	5829	6210	5160	5675	8503	6785	4198
36	1964 Regional Report Surplus Deficit	3138	1954	4712	3684	2665	2425	2418	3064	4362	7762	5646	8197	8137	5579
37	1965 Regional Report Surplus Deficit	4031	4288	5837	5243	4061	5803	6595	8353	8213	6588	8715	8561	7041	4687
38	1966 Regional Report Surplus Deficit	4282	4514	4243	4477	3633	2896	3406	4108	4551	8654	6786	7464	6168	4173
39	1967 Regional Report Surplus Deficit	3303	1779	4171	3125	2726	2838	5651	7176	7693	5801	2937	7949	7632	5006
40	1968 Regional Report Surplus Deficit	3943	3500	4626	4169	3770	2964	4745	6069	7641	4682	4394	6781	7230	4483
41	1969 Regional Report Surplus Deficit	3740	3495	6434	5553	5308	4198	6099	7789	7226	8398	8419	9092	7549	4620
42	1970 Regional Report Surplus Deficit	3800	2726	4388	4091	3415	1703	3523	5707	6270	6391	4124	8316	7732	3847
43	1971 Regional Report Surplus Deficit	2134	1080	4059	3199	3076	2081	6137	8157	8581	8273	8067	8955	8108	5688
44	1972 Regional Report Surplus Deficit	4678	4535	5815	4718	3488	3363	6442	7863	9321	9038	7688	8926	7827	5461
45	1973 Regional Report Surplus Deficit	4502	4537	6614	4583	3513	2932	3839	3743	3523	1110	3807	6430	3987	2475
46	1974 Regional Report Surplus Deficit	1838	-239	3367	3376	2395	4454	6799	8104	8893	8602	8497	8253	7683	5929
47	1975 Regional Report Surplus Deficit	4482	4522	6248	3670	3235	2197	3312	5611	7066	5234	5727	8542	7986	6091
48	1976 Regional Report Surplus Deficit	4162	3991	5568	5897	5808	6536	6233	7857	8130	8699	8299	8891	7530	5318
49	1977 Regional Report Surplus Deficit	4643	4892	9073	4652	3305	929	390	2061	3370	1278	3992	4253	-954	1703
50	1978 Regional Report Surplus Deficit	622	-1214	2302	2665	2055	3745	3683	5184	6058	8258	7034	8615	6129	4694
51	1979 Regional Report Surplus Deficit	2977	1765	5600	4635	3344	1775	2578	2534	6045	4826	6013	9003	4809	1580
52	1980 Regional Report Surplus Deficit	907	169	3844	3814	2844	668	2081	2967	3695	6552	7478	9473	7312	2997
53	1981 Regional Report Surplus Deficit	2051	447	4249	4004	3015	5203	5239	6574	6485	3024	6113	8238	7685	4579
54	1982 Regional Report Surplus Deficit	3631	4043	5301	4098	3598	3640	5299	8228	9077	8271	7374	8501	7758	5218

Regional Report Surplus Deficit By Water Year

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Regional Report Surplus Deficit	4361	4501	7243	5711	3930	4135	5841	7179	8576	8100	6528	8534	7388	5253
56	1984 Regional Report Surplus Deficit	4020	4626	5784	4393	6278	4097	5014	6972	7739	9040	8182	8685	8155	5228
57	1985 Regional Report Surplus Deficit	4350	3641	5279	4565	3934	2883	2861	3911	5492	7470	7531	8722	5903	591
58	1986 Regional Report Surplus Deficit	691	-664	3761	5367	5175	2351	4348	6731	9379	8106	7971	8083	7191	3691
59	1987 Regional Report Surplus Deficit	2779	1053	4029	3497	3065	3101	2568	2577	5365	4172	5367	7829	5228	2139
60	1988 Regional Report Surplus Deficit	768	-741	3240	3051	2195	403	-312	120	3075	3242	5569	7013	3978	3342
61	1989 Regional Report Surplus Deficit	2101	213	3220	3109	2347	2373	810	1031	5352	7636	8213	8345	6055	1708
62	1990 Regional Report Surplus Deficit	1414	477	3754	3236	3710	2997	3942	5927	6962	6533	8877	8086	7327	3928
63	1991 Regional Report Surplus Deficit	3569	2914	4064	2890	5457	4333	4932	7062	7031	7563	6394	8236	7089	4805
64	1992 Regional Report Surplus Deficit	3850	4014	4248	2960	2938	1294	1734	2481	4859	2787	4014	6181	2179	1188
65	1993 Regional Report Surplus Deficit	397	-1080	2417	3202	2472	1300	-1051	-189	4441	3915	5418	8013	6739	3503
66	1994 Regional Report Surplus Deficit	2686	1406	3435	3035	3229	1113	-119	1319	3000	2361	5290	7419	5182	2939
67	1995 Regional Report Surplus Deficit	1552	-304	3353	2867	2178	1535	1517	5275	7544	5445	4967	8089	7552	4197
68	1996 Regional Report Surplus Deficit	2943	2035	4619	5578	6860	6207	6829	8757	9437	8696	9309	8951	7675	5289
69	1997 Regional Report Surplus Deficit	4184	4218	4410	3852	3513	4056	6801	8033	9404	8324	8934	8595	7777	5527
70	1998 Regional Report Surplus Deficit	4563	4661	7290	7845	5261	3864	3640	4699	5737	5261	6297	9097	7958	4553
71	1999 Regional Report Surplus Deficit	3752	2483	4359	3784	2539	3510	6056	7943	8676	7371	7680	8542	8140	5596
72	2000 Regional Report Surplus Deficit	4738	4962	6155	4332	6074	4842	4327	5460	6911	8705	8743	8021	6551	4192
73	2001 Regional Report Surplus Deficit	3632	769	4052	3825	2942	888	347	1610	3391	1676	4533	5556	-1672	1037
74	2002 Regional Report Surplus Deficit	152	-1294	1597	1953	2123	1494	703	2459	4028	6630	8056	7518	7382	4931
75	2003 Regional Report Surplus Deficit	3596	2154	3976	2420	2961	964	565	1714	6439	6571	6341	7682	7409	1842
76	2004 Regional Report Surplus Deficit	611	-603	3087	3475	2785	3005	1444	1236	5159	5259	5468	7829	6084	2394
77	2005 Regional Report Surplus Deficit	1172	375	5375	3914	2956	2944	2776	3922	4391	2992	5220	8150	6438	2831
78	2006 Regional Report Surplus Deficit	2444	402	3499	2999	2839	2276	3842	6895	6915	8829	8579	9068	7623	3750
79	2007 Regional Report Surplus Deficit	2504	975	3593	2741	3601	2314	4105	4030	8158	7313	6631	8152	5862	4259
80	2008 Regional Report Surplus Deficit	2570	383	2902	3356	2528	1647	1592	2605	4630	5313	3753	8617	8137	4773

Ranked Averages

81	**Bottom 10 pct**	**529**	**-1095**	**2756**	**3190**	**2674**	**1611**	**785**	**2088**	**5176**	**5629**	**6242**	**8025**	**6522**	**3501**
82	**Middle 80 pct**	**2994**	**2058**	**4311**	**4017**	**3510**	**2938**	**3589**	**4957**	**6297**	**6396**	**6693**	**8125**	**6486**	**3815**
83	**Top 10 pct**	**4558**	**4663**	**7092**	**4977**	**4165**	**3125**	**3723**	**4891**	**6000**	**5353**	**6008**	**7677**	**6085**	**4435**

Regional Report Surplus Deficit By Water Year

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Regional Report Surplus Deficit	2786	2455	3748	3779	2800	520	151	1412	2643	2231	3932	6580	6010	417
2	1930 Regional Report Surplus Deficit	1255	303	3582	3184	2493	410	-1045	1622	2710	2921	4570	5801	2340	2690
3	1931 Regional Report Surplus Deficit	1534	205	3008	2823	2667	261	-1864	-553	2297	3777	2061	6969	3066	1922
4	1932 Regional Report Surplus Deficit	146	-1756	3122	2658	1805	272	-2110	-408	5871	8246	7801	8967	8250	3233
5	1933 Regional Report Surplus Deficit	2706	2359	4234	3696	2109	2387	2838	5745	5980	6551	5347	7866	8631	4857
6	1934 Regional Report Surplus Deficit	3348	3801	4351	4930	6201	5893	6326	7781	7735	8839	7538	7989	6004	2685
7	1935 Regional Report Surplus Deficit	1092	125	2652	3387	1820	1930	3147	5159	6176	5373	4705	7819	6564	3891
8	1936 Regional Report Surplus Deficit	3232	1726	3243	2853	2397	270	-641	468	3271	4481	7630	9399	7961	2598
9	1937 Regional Report Surplus Deficit	1815	326	3151	2765	2629	248	-1008	-403	2336	2644	1622	6908	4629	1862
10	1938 Regional Report Surplus Deficit	1884	242	3092	3075	1973	2567	3014	4446	5977	8089	8119	8660	7876	3692
11	1939 Regional Report Surplus Deficit	2235	820	3929	3797	2442	624	1693	2669	4314	6243	5954	8646	4390	2165
12	1940 Regional Report Surplus Deficit	803	-355	3190	3328	2818	2222	1462	1535	7203	6646	5130	8164	4960	1997
13	1941 Regional Report Surplus Deficit	906	-856	2773	3233	1946	1966	-114	1440	3119	2860	3005	6581	4014	2078
14	1942 Regional Report Surplus Deficit	797	-724	2845	3413	3300	2663	2560	3553	4792	4313	5527	7349	7038	4199
15	1943 Regional Report Surplus Deficit	2623	1536	4731	3797	1849	1820	3649	6145	6751	9500	8616	8587	8533	3689
16	1944 Regional Report Surplus Deficit	2873	2071	3749	2795	2546	593	301	1459	2692	1847	4048	4396	1433	576
17	1945 Regional Report Surplus Deficit	-143	-2154	1805	2450	2055	-455	-1208	980	2740	1988	1402	8264	7695	1313
18	1946 Regional Report Surplus Deficit	2148	952	3452	2977	2354	2432	2700	4302	6217	8167	8231	8700	8047	4171
19	1947 Regional Report Surplus Deficit	3398	2683	4315	3285	2897	5370	5080	6981	7545	7170	6057	8642	8025	4160
20	1948 Regional Report Surplus Deficit	2625	1060	4030	7022	4918	3726	5218	5844	5925	7194	7766	9182	8155	4720
21	1949 Regional Report Surplus Deficit	3571	4065	5881	3880	2744	1727	3072	3126	7207	8079	7902	9035	7962	1365
22	1950 Regional Report Surplus Deficit	1214	-45.7	2902	2973	2506	1865	5277	6821	7742	8861	7248	8201	8213	4555
23	1951 Regional Report Surplus Deficit	3755	3935	4633	5080	5539	5628	6219	8360	8286	8929	7723	8618	7632	4549
24	1952 Regional Report Surplus Deficit	3549	3662	4531	6522	4061	3768	4693	6641	6409	8963	8524	9137	8399	3824
25	1953 Regional Report Surplus Deficit	2438	1280	3236	2674	2078	377	2572	4337	5807	5656	5459	8644	8734	4605
26	1954 Regional Report Surplus Deficit	2779	2322	4327	3640	3087	2991	4653	6540	7001	7576	6495	8569	8044	5158
27	1955 Regional Report Surplus Deficit	4036	4291	7929	3956	4144	2326	1610	2213	3162	4405	4714	7710	8579	5313
28	1956 Regional Report Surplus Deficit	3494	3311	3949	4200	4791	5406	6186	7697	7751	8673	8074	8818	8837	4824
29	1957 Regional Report Surplus Deficit	3717	3897	4396	4178	2728	3224	3095	3845	6118	9217	6274	9424	8595	3844
30	1958 Regional Report Surplus Deficit	3029	2115	3849	3555	2803	1484	3625	4550	6426	7377	7250	9104	8358	3280
31	1959 Regional Report Surplus Deficit	1808	1549	3741	3830	3479	4766	5963	7393	7077	8319	6330	8105	8232	3939
32	1960 Regional Report Surplus Deficit	3786	3948	8326	8367	6344	4539	4272	4720	6137	9625	7558	8221	7884	3674
33	1961 Regional Report Surplus Deficit	2934	1302	3571	3717	2672	2058	4060	5058	7181	7780	5154	8280	7984	3433
34	1962 Regional Report Surplus Deficit	2779	1813	3475	2873	2669	1211	3121	4717	3932	9236	7966	8613	8104	1740
35	1963 Regional Report Surplus Deficit	2547	1281	3431	3978	3819	4344	3947	5532	5873	5469	5104	8603	7414	3770
36	1964 Regional Report Surplus Deficit	2669	1530	4364	3338	2307	2015	2035	2769	4031	8068	5076	8249	8783	5147
37	1965 Regional Report Surplus Deficit	3569	3889	5483	4901	3688	5387	6188	8043	7872	6893	8104	8578	7671	4256
38	1966 Regional Report Surplus Deficit	3820	4115	3894	4129	3262	2482	3020	3812	4219	8949	6216	7596	6805	3744
39	1967 Regional Report Surplus Deficit	2839	1355	3823	2779	2365	2425	5253	6875	7354	6109	2342	8035	8272	4576
40	1968 Regional Report Surplus Deficit	3482	3090	4279	3822	3400	2550	4354	5772	7302	4991	3818	6952	7862	4054
41	1969 Regional Report Surplus Deficit	3278	3086	6070	5213	4935	3780	5696	7482	6888	8706	7815	9092	8182	4192
42	1970 Regional Report Surplus Deficit	3337	2304	4040	3744	3047	1303	3138	5410	5934	6698	3542	8400	8369	3416
43	1971 Regional Report Surplus Deficit	1646	664	3709	2852	2714	1677	5735	7845	8238	8578	7466	8955	8752	5248
44	1972 Regional Report Surplus Deficit	4214	4137	5464	4370	3123	2947	6038	7553	8965	9341	7112	8927	8472	5029
45	1973 Regional Report Surplus Deficit	4038	4135	6253	4235	3146	2520	3452	3447	3196	1414	3225	6595	4708	2033
46	1974 Regional Report Surplus Deficit	1352	-638	3013	3028	2041	4035	6392	7789	8558	8912	7886	8261	8324	5496
47	1975 Regional Report Surplus Deficit	4018	4122	5890	3326	2870	1792	2927	5314	6728	5542	5158	8589	8630	5647
48	1976 Regional Report Surplus Deficit	3700	3587	5218	5557	5440	6124	5832	7553	7789	9010	7695	8897	8163	4885
49	1977 Regional Report Surplus Deficit	4179	4484	8715	4304	2939	536	7.20	1766	3043	1582	3413	4422	27.4	1258
50	1978 Regional Report Surplus Deficit	125	-1585	1925	2321	1701	3328	3296	4888	5722	8567	6463	8659	6765	4266
51	1979 Regional Report Surplus Deficit	2502	1342	5245	4289	2977	1373	2193	2239	5709	5135	5444	9034	5499	1129
52	1980 Regional Report Surplus Deficit	409	-232	3493	3466	2478	288	1698	2672	3367	6858	6905	9465	7945	2556
53	1981 Regional Report Surplus Deficit	1571	36.2	3901	3656	2650	4785	4843	6275	6148	3333	5544	8307	8327	4150
54	1982 Regional Report Surplus Deficit	3169	3645	4951	3751	3229	3223	4904	7922	8729	8575	6798	8510	8398	4787

Regional Report Surplus Deficit By Water Year

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Regional Report Surplus Deficit	3898	4102	6874	5369	3559	3717	5442	6880	8235	8406	5958	8560	8019	4821
56	1984 Regional Report Surplus Deficit	3557	4227	5432	4046	5917	3679	4622	6673	7401	9352	7587	8718	8799	4797
57	1985 Regional Report Surplus Deficit	3888	3226	4930	4218	3565	2470	2476	3615	5156	7775	6954	8744	6551	139
58	1986 Regional Report Surplus Deficit	193	-1039	3406	5024	4800	1940	3958	6432	9022	8413	7386	8168	7821	3261
59	1987 Regional Report Surplus Deficit	2305	635	3680	3152	2704	2687	2184	2282	5031	4481	4796	7928	5877	1694
60	1988 Regional Report Surplus Deficit	270	-1127	2881	2703	1830	22.7	-698	-176	2748	3552	4999	7181	4703	2909
61	1989 Regional Report Surplus Deficit	1618	-196	2861	2762	1989	1962	426	736	5018	7940	7611	8407	6702	1258
62	1990 Regional Report Surplus Deficit	923	68.1	3401	2889	3338	2582	3554	5629	6625	6839	8266	8158	7958	3498
63	1991 Regional Report Surplus Deficit	3105	2494	3714	2546	5087	3914	4537	6759	6690	7866	5822	8281	7718	4374
64	1992 Regional Report Surplus Deficit	3389	3614	3899	2616	2574	897	1352	2184	4523	3094	3433	6358	2947	742
65	1993 Regional Report Surplus Deficit	-101	-1471	2052	2854	2108	899	-1441	-486	4109	4225	4846	8082	7372	3069
66	1994 Regional Report Surplus Deficit	2209	984	3082	2689	2858	714	-504	1022	2673	2667	4716	7524	5838	2502
67	1995 Regional Report Surplus Deficit	1065	-706	3001	2520	1821	1133	1134	4977	7206	5753	4394	8209	8186	3773
68	1996 Regional Report Surplus Deficit	2469	1610	4271	5240	6537	5796	6422	8447	9082	9005	8693	8963	8315	4858
69	1997 Regional Report Surplus Deficit	3722	3819	4060	3505	3145	3638	6394	7719	9053	8631	8318	8602	8422	5095
70	1998 Regional Report Surplus Deficit	4099	4261	6922	7513	4887	3447	3254	4403	5402	5569	5728	9092	8596	4144
71	1999 Regional Report Surplus Deficit	3290	2060	4011	3438	2183	3094	5655	7639	8333	7677	7103	8582	8784	5165
72	2000 Regional Report Surplus Deficit	4275	4560	5799	3985	5715	4423	3938	5161	6574	9013	8135	8115	7189	3766
73	2001 Regional Report Surplus Deficit	3167	366	3702	3478	2577	497	-36.5	1315	3064	1983	3956	5750	-626	594
74	2002 Regional Report Surplus Deficit	-343	-1686	1210	1609	1767	1093	320	2164	3698	6936	7470	7641	8018	4501
75	2003 Regional Report Surplus Deficit	3130	1729	3626	2077	2591	569	181	1419	6102	6877	5772	7789	8042	1394
76	2004 Regional Report Surplus Deficit	113	-985	2725	3128	2418	2589	1062	941	4825	5567	4898	7939	6724	1951
77	2005 Regional Report Surplus Deficit	676	-32.6	5021	3567	2590	2528	2391	3626	4058	3301	4650	8216	7073	2393
78	2006 Regional Report Surplus Deficit	1964	-7.63	3148	2651	2473	1866	3455	6596	6577	9138	7969	9059	8256	3326
79	2007 Regional Report Surplus Deficit	2025	556	3238	2397	3229	1904	3716	3734	7819	7619	6061	8226	6508	3832
80	2008 Regional Report Surplus Deficit	2086	-17.9	2535	3008	2164	1242	1209	2310	4298	5621	3164	8623	8783	4347

Ranked Averages

81	**Bottom 10 pct**	**32.4**	**-1475**	**2391**	**2843**	**2310**	**1211**	**397**	**1792**	**4842**	**5937**	**5658**	**8113**	**7168**	**3063**
82	**Middle 80 pct**	**2522**	**1646**	**3960**	**3671**	**3146**	**2530**	**3198**	**4658**	**5961**	**6704**	**6107**	**8189**	**7149**	**3380**
83	**Top 10 pct**	**4095**	**4262**	**6731**	**4632**	**3798**	**2714**	**3333**	**4592**	**5663**	**5659**	**5430**	**7751**	**6778**	**4001**

Regional Report Surplus Deficit By Water Year

Operating Year 2021

2012 White Book Report Date: **10/19/2012**

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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	2240	1954	3466	3453	2433	-523	-1498	-264	1121	1185	3432	5126	3257	-1236
2	1930 Regional Report Surplus Deficit	758	-166	3297	2857	2123	-634	-2634	-53.6	1192	1873	4070	4348	-457	1045
3	1931 Regional Report Surplus Deficit	1016	-264	2725	2496	2288	-759	-3399	-2241	769	2728	1569	5516	289	278
4	1932 Regional Report Surplus Deficit	-307	-2209	2841	2331	1456	-772	-3623	-2096	4445	7194	7305	7488	5526	1586
5	1933 Regional Report Surplus Deficit	2149	1849	3944	3370	1777	1442	1114	4066	4553	5504	4849	6412	5913	3202
6	1934 Regional Report Surplus Deficit	2785	3277	4061	4606	5860	4873	4638	6099	6260	7764	7041	6530	3265	1039
7	1935 Regional Report Surplus Deficit	610	-343	2370	3061	1502	972	1421	3483	4746	4325	4205	6367	3820	2238
8	1936 Regional Report Surplus Deficit	2669	1239	2962	2526	2033	-768	-2240	-1213	1778	3431	7137	7919	5230	954
9	1937 Regional Report Surplus Deficit	1289	-139	2871	2438	2252	-779	-2613	-2088	808	1596	1131	5455	1859	217
10	1938 Regional Report Surplus Deficit	1371	-223	2813	2749	1636	1623	1291	2772	4552	7039	7622	7198	5146	2041
11	1939 Regional Report Surplus Deficit	1713	349	3641	3471	2083	-435	-1.00	997	2849	5196	5458	7192	1623	521
12	1940 Regional Report Surplus Deficit	315	-820	2907	3003	2439	1279	-238	-142	5762	5599	4632	6712	2200	353
13	1941 Regional Report Surplus Deficit	415	-1316	2495	2907	1584	1014	-1740	-236	1627	1811	2505	5129	1252	433
14	1942 Regional Report Surplus Deficit	286	-1190	2565	3087	2916	1721	841	1881	3355	3264	5030	5896	4301	2543
15	1943 Regional Report Surplus Deficit	2064	1046	4438	3471	1531	849	1922	4467	5317	8425	8101	7123	5813	2040
16	1944 Regional Report Surplus Deficit	2318	1578	3468	2467	2181	-460	-1355	-216	1164	801	3547	2942	-1365	-1069
17	1945 Regional Report Surplus Deficit	-635	-2611	1530	2124	1687	-1552	-2757	-700	1212	944	911	6811	4964	-334
18	1946 Regional Report Surplus Deficit	1617	478	3172	2649	2003	1484	982	2629	4791	7115	7727	7236	5318	2517
19	1947 Regional Report Surplus Deficit	2831	2177	4028	2957	2530	4386	3365	5299	6081	6123	5561	7181	5299	2505
20	1948 Regional Report Surplus Deficit	2064	577	3745	6699	4538	2784	3506	4166	4499	6147	7271	7688	5437	3065
21	1949 Regional Report Surplus Deficit	3015	3544	5583	3553	2381	760	1346	1454	5760	7029	7408	7563	5233	-281
22	1950 Regional Report Surplus Deficit	742	-505	2626	2646	2147	906	3565	5140	6286	7801	6756	6741	5489	2900
23	1951 Regional Report Surplus Deficit	3200	3411	4343	4755	5168	4640	4526	6679	6792	7871	7228	7156	4900	2893
24	1952 Regional Report Surplus Deficit	2988	3139	4244	6199	3675	2827	2973	4961	4982	7903	8019	7650	5674	2173
25	1953 Regional Report Surplus Deficit	1884	799	2959	2347	1724	-655	857	2664	4381	4608	4961	7186	6018	2949
26	1954 Regional Report Surplus Deficit	2224	1826	4042	3313	2713	2052	2930	4860	5559	6529	6000	7106	5318	3507
27	1955 Regional Report Surplus Deficit	3489	3779	7644	3630	3758	1382	-82.7	540	1683	3355	4215	6258	5859	3665
28	1956 Regional Report Surplus Deficit	2935	2792	3666	3874	4410	4422	4493	6014	6276	7614	7570	7342	6119	3168
29	1957 Regional Report Surplus Deficit	3160	3373	4110	3852	2367	2286	1370	2172	4692	8155	5779	7927	5879	2191
30	1958 Regional Report Surplus Deficit	2474	1623	3565	3228	2432	489	1898	2877	4996	6330	6758	7621	5635	1633
31	1959 Regional Report Surplus Deficit	1286	1066	3458	3504	3097	3803	4262	5710	5631	7268	5835	6650	5510	2287
32	1960 Regional Report Surplus Deficit	3235	3428	8054	8045	6005	3574	2549	3046	4711	8540	7065	6767	5155	2022
33	1961 Regional Report Surplus Deficit	2376	824	3289	3390	2310	1104	2335	3384	5735	6731	4656	6819	5263	1781
34	1962 Regional Report Surplus Deficit	2226	1318	3193	2545	2302	218	1396	3043	3688	7187	7465	7153	5379	94.9
35	1963 Regional Report Surplus Deficit	2003	802	3149	3653	3433	3391	2222	3856	4448	4421	4605	7150	4679	2117
36	1964 Regional Report Surplus Deficit	2114	1043	4073	3010	1959	1056	329	1096	2565	7018	4577	6791	6065	3494
37	1965 Regional Report Surplus Deficit	3010	3367	5188	4576	3303	4397	4501	6362	6385	5846	7601	7109	4942	2601
38	1966 Regional Report Surplus Deficit	3265	3594	3609	3804	2882	1539	1297	2139	3444	7413	5721	6144	4066	2091
39	1967 Regional Report Surplus Deficit	2279	877	3539	2452	2010	1478	3540	5193	5895	5061	1846	6581	5551	2921
40	1968 Regional Report Surplus Deficit	2921	2574	3990	3495	3019	1607	2628	4095	5852	3943	3318	5500	5135	2400
41	1969 Regional Report Surplus Deficit	2715	2569	5769	4889	4555	2838	3996	5799	5443	7646	7318	7612	5454	2538
42	1970 Regional Report Surplus Deficit	2774	1805	3753	3417	2673	300	1415	3734	4508	5651	3043	6947	5647	1768
43	1971 Regional Report Surplus Deficit	1144	195	3425	2525	2354	697	4032	6166	6745	7521	6972	7473	6033	3596
44	1972 Regional Report Surplus Deficit	3664	3614	5167	4044	2755	2007	4344	5886	7479	8268	6619	7447	5754	3375
45	1973 Regional Report Surplus Deficit	3490	3617	5955	3909	2773	1570	1726	1775	1694	373	2725	5143	1944	389
46	1974 Regional Report Surplus Deficit	845	-1099	2734	2701	1719	3091	4704	6114	7056	7845	7384	6786	5602	3847
47	1975 Regional Report Surplus Deficit	3468	3602	5592	2998	2503	815	1207	3638	5297	4495	4660	7130	5911	4003
48	1976 Regional Report Surplus Deficit	3142	3066	4923	5233	5069	5107	4128	5869	6312	7942	7197	7421	5435	3230
49	1977 Regional Report Surplus Deficit	3629	3974	8448	3979	2567	-500	-1648	91.6	1543	540	2913	2962	-2791	-386
50	1978 Regional Report Surplus Deficit	-337	-2037	1653	1993	1377	2389	1570	3213	4296	7505	5969	7199	4025	2611
51	1979 Regional Report Surplus Deficit	1962	863	4946	3963	2605	383	477	565	4280	4086	4947	7572	2742	-518
52	1980 Regional Report Surplus Deficit	-56.9	-694	3212	3139	2109	-814	1.94	999	1866	5811	6412	7976	5220	913
53	1981 Regional Report Surplus Deficit	1047	-430	3614	3330	2282	3821	3125	4596	4721	2284	5047	6853	5609	2494
54	1982 Regional Report Surplus Deficit	2609	3121	4658	3424	2849	2285	3185	6239	7225	7521	6305	7036	5676	3131

Regional Report Surplus Deficit By Water Year

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2012 White Book Report Date: **10/19/2012** *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	3344	3581	6574	5045	3177	2777	3730	5199	6749	7356	5463	7096	5290	3166
56	1984 Regional Report Surplus Deficit	3002	3706	5138	3719	5553	2740	2897	4993	5957	8279	7089	7255	6081	3141
57	1985 Regional Report Surplus Deficit	3330	2718	4639	3891	3186	1523	759	1942	3726	6727	6462	7278	3807	-1516
58	1986 Regional Report Surplus Deficit	-261	-1494	3128	4700	4418	985	2231	4753	7518	7356	6892	6715	5093	1614
59	1987 Regional Report Surplus Deficit	1762	162	3397	2824	2346	1743	476	608	3593	3432	4296	6476	3132	49.2
60	1988 Regional Report Surplus Deficit	-191	-1584	2605	2377	1461	-1074	-2292	-1860	1238	2503	4499	5729	1938	1263
61	1989 Regional Report Surplus Deficit	1102	-661	2583	2435	1649	1008	-1226	-945	3579	6893	7115	6951	3959	-389
62	1990 Regional Report Surplus Deficit	437	-395	3122	2562	2954	1641	1827	3950	5190	5792	7762	6703	5229	1849
63	1991 Regional Report Surplus Deficit	2545	1992	3432	2218	4714	2965	2816	5077	5248	6817	5327	6823	4990	2719
64	1992 Regional Report Surplus Deficit	2829	3092	3615	2288	2209	-117	-343	510	3082	2045	2933	4905	172	-903
65	1993 Regional Report Surplus Deficit	-565	-1928	1776	2528	1742	-97.3	-2990	-2173	2653	3176	4347	6628	4637	1423
66	1994 Regional Report Surplus Deficit	1675	505	2800	2361	2477	-289	-2108	-654	1148	1620	4216	6072	3091	858
67	1995 Regional Report Surplus Deficit	567	-1165	2721	2193	1482	142	-543	3302	5759	4705	3894	6758	5460	2122
68	1996 Regional Report Surplus Deficit	1929	1127	3984	4916	6207	4795	4735	6766	7579	7947	8183	7492	5593	3204
69	1997 Regional Report Surplus Deficit	3168	3298	3778	3178	2770	2699	4707	6043	7551	7569	7810	7127	5704	3444
70	1998 Regional Report Surplus Deficit	3551	3743	6624	7191	4505	2509	1530	2730	3970	4521	5231	7605	5876	2491
71	1999 Regional Report Surplus Deficit	2732	1567	3727	3111	1847	2155	3950	5955	6838	6627	6610	7121	6065	3511
72	2000 Regional Report Surplus Deficit	3725	4045	5502	3658	5356	3470	2211	3485	5145	7954	7635	6663	4450	2114
73	2001 Regional Report Surplus Deficit	2609	-93.2	3420	3151	2209	-545	-1693	-360	1565	938	3456	4297	-3457	-1051
74	2002 Regional Report Surplus Deficit	-816	-2142	947	1281	1430	97.0	-1326	491	2224	5889	6976	6189	5293	2846
75	2003 Regional Report Surplus Deficit	2573	1246	3344	1747	2210	-458	-1461	-256	4676	5830	5276	6337	5315	-251
76	2004 Regional Report Surplus Deficit	-340	-1441	2448	2802	2043	1649	-620	-739	3387	4519	4399	6487	3984	307
77	2005 Regional Report Surplus Deficit	207	-495	4725	3241	2218	1589	669	1953	2961	1429	4151	6761	4335	749
78	2006 Regional Report Surplus Deficit	1442	-471	2867	2325	2105	908	1728	4916	5143	8065	7466	7567	5530	1678
79	2007 Regional Report Surplus Deficit	1500	84.3	2960	2069	2847	946	1989	2061	6357	6570	5566	6771	3766	2181
80	2008 Regional Report Surplus Deficit	1577	-477	2261	2682	1797	263	-480	637	2845	4573	2666	7147	6065	2693

Ranked Averages

81	**Bottom 10 pct**	**-432**	**-1931**	**2116**	**2517**	**1952**	**203**	**-1226**	**111**	**3372**	**4886**	**5162**	**6656**	**4433**	**1414**
82	**Middle 80 pct**	**1985**	**1158**	**3675**	**3344**	**2782**	**1553**	**1502**	**2980**	**4535**	**5615**	**5609**	**6726**	**4413**	**1730**
83	**Top 10 pct**	**3545**	**3744**	**6438**	**4307**	**3424**	**1754**	**1627**	**2918**	**4195**	**4608**	**4933**	**6288**	**4037**	**2352**

Regional Report Surplus Deficit By Water Year

Operating Year 2022

2012 White Book Report Date: **10/19/2012**

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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	645	350	1910	1870	915	-1416	-1883	-574	856	-255	1961	6574	4193	-1623
2	1930 Regional Report Surplus Deficit	-862	-1765	1743	1275	608	-1526	-3079	-364	922	435	2599	5795	523	650
3	1931 Regional Report Surplus Deficit	-592	-1862	1167	914	782	-1675	-3898	-2539	509	1291	89.9	6962	1249	-119
4	1932 Regional Report Surplus Deficit	-1958	-3783	1285	748	-80.0	-1664	-4144	-2394	4083	5760	5829	8961	6433	1193
5	1933 Regional Report Surplus Deficit	555	247	2392	1787	225	451	804	3759	4192	4065	3375	7860	6814	2817
6	1934 Regional Report Surplus Deficit	1185	1680	2509	3021	4316	3958	4292	5795	5947	6353	5567	7982	4187	645
7	1935 Regional Report Surplus Deficit	-1020	-1941	811	1478	-64.8	-5.37	1113	3173	4388	2887	2734	7813	4747	1851
8	1936 Regional Report Surplus Deficit	1070	-365	1401	944	513	-1666	-2675	-1518	1483	1995	5659	9393	6144	558
9	1937 Regional Report Surplus Deficit	-315	-1734	1309	856	745	-1688	-3042	-2389	548	158	-350	6901	2812	-179
10	1938 Regional Report Surplus Deficit	-239	-1817	1249	1166	88.1	631	981	2460	4189	5603	6148	8654	6059	1652
11	1939 Regional Report Surplus Deficit	107	-1250	2088	1888	557	-1312	-341	683	2526	3757	3983	8640	2573	125
12	1940 Regional Report Surplus Deficit	-1310	-2414	1350	1419	934	287	-572	-451	5415	4160	3159	8157	3143	-43.1
13	1941 Regional Report Surplus Deficit	-1209	-2906	933	1323	61.3	30.0	-2148	-546	1332	374	1033	6575	2197	38.2
14	1942 Regional Report Surplus Deficit	-1326	-2785	1006	1504	1415	727	526	1567	3004	1827	3556	7342	5221	2159
15	1943 Regional Report Surplus Deficit	469	-558	2882	1887	-35.7	-116	1615	4159	4963	7014	6644	8580	6716	1648
16	1944 Regional Report Surplus Deficit	724	-26.9	1911	886	661	-1342	-1733	-527	904	-639	2076	4389	-384	-1465
17	1945 Regional Report Surplus Deficit	-2258	-4193	-44.0	541	170	-2390	-3242	-1006	952	-498	-569	8257	5878	-727
18	1946 Regional Report Surplus Deficit	15.5	-1123	1613	1067	469	496	667	2316	4429	5681	6260	8693	6230	2131
19	1947 Regional Report Surplus Deficit	1232	574	2476	1376	1012	3434	3046	4995	5757	4684	4086	8636	6208	2120
20	1948 Regional Report Surplus Deficit	469	-1026	2192	5113	3033	1790	3184	3858	4137	4708	5795	9175	6338	2680
21	1949 Regional Report Surplus Deficit	1411	1947	4018	1971	859	-209	1039	1140	5419	5593	5931	9028	6145	-675
22	1950 Regional Report Surplus Deficit	-895	-2094	1057	1063	621	-70.3	3243	4835	5954	6375	5277	8195	6396	2515
23	1951 Regional Report Surplus Deficit	1596	1814	2790	3171	3654	3692	4185	6374	6498	6443	5751	8612	5815	2508
24	1952 Regional Report Surplus Deficit	1386	1541	2692	4613	2176	1832	2659	4655	4621	6477	6553	9131	6582	1784
25	1953 Regional Report Surplus Deficit	289	-804	1394	765	193	-1559	538	2351	4019	3170	3488	8638	6917	2565
26	1954 Regional Report Surplus Deficit	630	222	2489	1731	1202	1055	2619	4554	5213	5090	4524	8563	6227	3118
27	1955 Regional Report Surplus Deficit	1886	2179	6063	2047	2259	391	-424	227	1374	1919	2743	7704	6762	3273
28	1956 Regional Report Surplus Deficit	1332	1192	2112	2291	2907	3470	4152	5711	5963	6187	6103	8811	7020	2784
29	1957 Regional Report Surplus Deficit	1556	1776	2558	2269	843	1288	1061	1859	4330	6732	4302	9418	6778	1804
30	1958 Regional Report Surplus Deficit	880	18.1	2011	1645	918	-451	1591	2564	4639	4891	5279	9098	6541	1240
31	1959 Regional Report Surplus Deficit	-320	-538	1904	1921	1595	2831	3929	5407	5289	5833	4358	8098	6415	1899
32	1960 Regional Report Surplus Deficit	1631	1831	6482	6458	4459	2603	2238	2734	4349	7139	5587	8214	6067	1634
33	1961 Regional Report Surplus Deficit	782	-778	1733	1807	788	122	2026	3072	5393	5294	3183	8273	6167	1393
34	1962 Regional Report Surplus Deficit	631	-287	1637	963	784	-725	1087	2731	2144	6750	5995	8607	6287	-300
35	1963 Regional Report Surplus Deficit	407	-801	1591	2069	1934	2408	1914	3546	4085	2983	3133	8596	5597	1730
36	1964 Regional Report Surplus Deficit	520	-561	2521	1429	422	79.3	1.26	783	2243	5582	3105	8243	6966	3107
37	1965 Regional Report Surplus Deficit	1407	1770	3628	2991	1803	3451	4155	6057	6084	4408	6133	8572	5854	2216
38	1966 Regional Report Surplus Deficit	1661	1997	2054	2220	1377	547	986	1826	2432	6463	4245	7589	4988	1704
39	1967 Regional Report Surplus Deficit	682	-726	1985	869	481	489	3219	4889	5566	3623	371	8028	6455	2536
40	1968 Regional Report Surplus Deficit	1318	973	2437	1912	1515	615	2320	3786	5514	2506	1847	6946	6045	2014
41	1969 Regional Report Surplus Deficit	1115	968	4198	3304	3050	1844	3662	5496	5100	6220	5844	9086	6365	2152
42	1970 Regional Report Surplus Deficit	1175	200	2200	1834	1163	-633	1104	3424	4146	4212	1571	8394	6552	1376
43	1971 Regional Report Surplus Deficit	-472	-1404	1870	943	829	-259	3701	5859	6450	6092	5495	8948	6935	3208
44	1972 Regional Report Surplus Deficit	2062	2017	3610	2461	1238	1012	4004	5581	7193	6855	5140	8920	6655	2989
45	1973 Regional Report Surplus Deficit	1889	2019	4387	2326	1261	584	1418	1461	1408	-1072	1254	6589	2891	-7.18
46	1974 Regional Report Surplus Deficit	-769	-2689	1173	1119	156	2099	4358	5803	6770	6426	5915	8254	6507	3456
47	1975 Regional Report Surplus Deficit	1865	2004	4027	1417	986	-143	893	3328	4941	3057	3187	8582	6813	3607
48	1976 Regional Report Surplus Deficit	1538	1467	3368	3648	3555	4188	3799	5567	6001	6524	5723	8890	6346	2845
49	1977 Regional Report Surplus Deficit	2026	2372	6881	2395	1054	-1399	-2027	-220	1255	-904	1442	4415	-1790	-782
50	1978 Regional Report Surplus Deficit	-1980	-3615	64.1	412	-184	1392	1262	2902	3934	6081	4492	8652	4948	2226
51	1979 Regional Report Surplus Deficit	364	-740	3385	2379	1092	-563	160	253	3921	2649	3473	9028	3682	-911
52	1980 Regional Report Surplus Deficit	-1698	-2285	1656	1557	594	-1648	-336	686	1579	4372	4934	9459	6128	516
53	1981 Regional Report Surplus Deficit	-558	-2027	2061	1747	765	2850	2809	4289	4360	847	3573	8301	6510	2110
54	1982 Regional Report Surplus Deficit	1006	1524	3102	1841	1344	1287	2870	5936	6941	6089	4827	8503	6581	2747

Regional Report Surplus Deficit By Water Year

Operating Year 2022

2012 White Book Report Date: **10/19/2012** *Continued*

S104-WB-20130606-150434

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Regional Report Surplus Deficit	1740	1983	4996	3460	1674	1781	3408	4894	6447	5920	3987	8554	6202	2781
56	1984 Regional Report Surplus Deficit	1398	2109	3581	2137	4032	1743	2588	4687	5613	6866	5616	8711	6982	2756
57	1985 Regional Report Surplus Deficit	1727	1115	3085	2309	1680	535	442	1629	3368	5289	4983	8737	4734	-1901
58	1986 Regional Report Surplus Deficit	-1918	-3073	1567	3115	2915	4.58	1924	4446	7234	5927	5414	8162	6004	1221
59	1987 Regional Report Surplus Deficit	165	-1438	1842	1242	819	751	151	296	3243	1995	2825	7922	4060	-347
60	1988 Regional Report Surplus Deficit	-1836	-3168	1039	794	-55.0	-1913	-2732	-2162	960	1066	3028	7175	2887	869
61	1989 Regional Report Surplus Deficit	-507	-2257	1015	853	105	26.7	-1608	-1250	3230	5455	5640	8401	4885	-782
62	1990 Regional Report Surplus Deficit	-1189	-1990	1562	980	1453	646	1521	3643	4837	4353	6294	8151	6141	1458
63	1991 Regional Report Surplus Deficit	948	389	1877	637	3202	1978	2503	4773	4902	5380	3851	8275	5901	2334
64	1992 Regional Report Surplus Deficit	1227	1495	2062	706	690	-1039	-682	198	2735	608	1462	6352	1130	-1298
65	1993 Regional Report Surplus Deficit	-2207	-3515	200	945	223	-1037	-3475	-2472	2321	1739	2875	8076	5555	1029
66	1994 Regional Report Surplus Deficit	74.9	-1098	1242	780	973	-1222	-2538	-964	885	181	2745	7518	4021	462
67	1995 Regional Report Surplus Deficit	-1051	-2757	1163	611	-63.8	-803	-900	2991	5418	3267	2423	8203	6369	1732
68	1996 Regional Report Surplus Deficit	331	-477	2432	3330	4653	3860	4389	6461	7294	6519	6722	8957	6498	2817
69	1997 Regional Report Surplus Deficit	1564	1701	2223	1596	1260	1702	4360	5733	7265	6145	6347	8596	6605	3055
70	1998 Regional Report Surplus Deficit	1948	2145	5046	5604	3002	1511	1220	2417	3614	3084	3757	9085	6779	2104
71	1999 Regional Report Surplus Deficit	1129	-38.0	2173	1529	298	1158	3622	5653	6545	5191	5131	8576	6967	3125
72	2000 Regional Report Surplus Deficit	2122	2447	3939	2076	3831	2488	1904	3175	4786	6527	6164	8108	5372	1726
73	2001 Regional Report Surplus Deficit	1014	-1685	1865	1569	692	-1439	-2070	-671	1276	-503	1985	5744	-2443	-1446
74	2002 Regional Report Surplus Deficit	-2450	-3729	-654	-300	-118	-842	-1714	178	1910	4450	5499	7634	6201	2461
75	2003 Regional Report Surplus Deficit	978	-359	1789	166	704	-1367	-1852	-567	4314	4391	3801	7783	6226	-646
76	2004 Regional Report Surplus Deficit	-1998	-3023	877	1219	533	653	-972	-1045	3037	3081	2927	7932	4907	-89.0
77	2005 Regional Report Surplus Deficit	-1431	-2090	3164	1657	705	593	357	1640	2270	815	2678	8209	5256	353
78	2006 Regional Report Surplus Deficit	-162	-2067	1311	742	589	-69.6	1421	4610	4789	6652	5998	9052	6439	1286
79	2007 Regional Report Surplus Deficit	-103	-1517	1397	488	1345	-31.7	1682	1748	6031	5133	4090	8219	4691	1792
80	2008 Regional Report Surplus Deficit	-34.2	-2069	685	1099	279	-694	-825	324	2510	3135	1193	8616	6966	2307

Ranked Averages

81	**Bottom 10 pct**	**-2075**	**-3512**	**542**	**934**	**426**	**-725**	**-1637**	**-194**	**3054**	**3451**	**3687**	**8106**	**5352**	**1023**
82	**Middle 80 pct**	**379**	**-441**	**2117**	**1762**	**1261**	**594**	**1164**	**2672**	**4173**	**4218**	**4136**	**8182**	**5332**	**1340**
83	**Top 10 pct**	**1942**	**2146**	**4869**	**2723**	**1913**	**778**	**1300**	**2608**	**3877**	**3173**	**3459**	**7745**	**4961**	**1961**

Regional Report Surplus Deficit By Water Year

Operating Year 2023

2012 White Book Report Date: **10/19/2012**

S104-WB-20130606-150434

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Regional Report Surplus Deficit	314	45.4	1604	1529	603	-1850	-2208	-901	502	-626	1679	5153	2547	-2075
2	1930 Regional Report Surplus Deficit	-1168	-2075	1435	934	292	-1961	-3344	-690	574	61.3	2316	4374	-1167	206
3	1931 Regional Report Surplus Deficit	-910	-2172	863	573	458	-2086	-4109	-2877	150	916	-184	5543	-421	-562
4	1932 Regional Report Surplus Deficit	-2234	-4117	979	407	-375	-2099	-4333	-2733	3826	5382	5551	7515	4816	746
5	1933 Regional Report Surplus Deficit	223	-59.4	2082	1446	-54.0	115	404	3429	3934	3693	3095	6439	5202	2362
6	1934 Regional Report Surplus Deficit	859	1369	2199	2682	4030	3546	3928	5462	5642	5952	5287	6557	2554	199
7	1935 Regional Report Surplus Deficit	-1317	-2251	508	1138	-328	-355	711	2847	4127	2513	2452	6394	3109	1398
8	1936 Regional Report Surplus Deficit	743	-669	1100	603	202	-2095	-2951	-1850	1159	1620	5383	7946	4520	114
9	1937 Regional Report Surplus Deficit	-638	-2047	1009	514	421	-2106	-3323	-2725	190	-215	-623	5482	1148	-622
10	1938 Regional Report Surplus Deficit	-555	-2131	951	825	-195	296	580	2136	3933	5227	5869	7225	4435	1202
11	1939 Regional Report Surplus Deficit	-213	-1559	1779	1547	252	-1762	-711	360	2230	3384	3704	7218	912	-319
12	1940 Regional Report Surplus Deficit	-1611	-2728	1045	1079	608	-48.0	-949	-779	5144	3787	2878	6738	1490	-487
13	1941 Regional Report Surplus Deficit	-1511	-3224	633	983	-246	-313	-2450	-873	1008	-0.01	751	5156	542	-407
14	1942 Regional Report Surplus Deficit	-1640	-3098	703	1163	1085	394	131	1244	2737	1453	3277	5923	3591	1704
15	1943 Regional Report Surplus Deficit	138	-862	2576	1547	-299	-478	1212	3830	4699	6614	6348	7150	5102	1200
16	1944 Regional Report Surplus Deficit	392	-331	1606	544	350	-1787	-2065	-853	545	-1011	1794	2969	-2076	-1909
17	1945 Regional Report Surplus Deficit	-2561	-4519	-332	201	-144	-2879	-3467	-1337	593	-868	-843	6838	4253	-1173
18	1946 Regional Report Surplus Deficit	-309	-1430	1310	726	173	157	272	1992	4172	5304	5974	7262	4607	1677
19	1947 Regional Report Surplus Deficit	905	269	2166	1033	699	3059	2655	4663	5463	4312	3808	7208	4589	1665
20	1948 Regional Report Surplus Deficit	138	-1331	1883	4776	2707	1457	2796	3529	3880	4335	5517	7715	4727	2225
21	1949 Regional Report Surplus Deficit	1088	1636	3721	1630	550	-567	636	817	5142	5218	5655	7590	4523	-1121
22	1950 Regional Report Surplus Deficit	-1184	-2414	764	722	316	-421	2854	4503	5667	5989	5002	6767	4778	2061
23	1951 Regional Report Surplus Deficit	1273	1503	2481	2832	3338	3313	3815	6042	6173	6059	5474	7182	4189	2053
24	1952 Regional Report Surplus Deficit	1062	1230	2382	4275	1845	1500	2263	4325	4363	6092	6266	7676	4964	1333
25	1953 Regional Report Surplus Deficit	-42.5	-1109	1097	423	-107	-1982	147	2027	3762	2797	3207	7213	5307	2110
26	1954 Regional Report Surplus Deficit	298	-82.2	2180	1390	882	725	2220	4223	4940	4717	4247	7133	4607	2668
27	1955 Regional Report Surplus Deficit	1562	1871	5782	1706	1927	54.6	-793	-96.9	1064	1544	2461	6284	5148	2825
28	1956 Regional Report Surplus Deficit	1009	884	1804	1950	2579	3095	3783	5377	5658	5803	5817	7369	5408	2329
29	1957 Regional Report Surplus Deficit	1233	1464	2248	1928	536	959	659	1535	4074	6343	4025	7953	5169	1352
30	1958 Regional Report Surplus Deficit	548	-286	1703	1304	601	-838	1188	2240	4377	4518	5004	7647	4925	793
31	1959 Regional Report Surplus Deficit	-641	-842	1595	1580	1266	2476	3552	5073	5012	5457	4081	6676	4799	1447
32	1960 Regional Report Surplus Deficit	1309	1520	6192	6121	4175	2247	1839	2409	4092	6729	5311	6794	4444	1182
33	1961 Regional Report Surplus Deficit	450	-1084	1427	1467	479	-223	1625	2747	5117	4920	2902	6846	4552	942
34	1962 Regional Report Surplus Deficit	300	-590	1331	622	471	-1109	686	2406	3070	5375	5712	7180	4668	-745
35	1963 Regional Report Surplus Deficit	77.2	-1106	1287	1729	1602	2064	1512	3220	3829	2609	2852	7177	3968	1278
36	1964 Regional Report Surplus Deficit	188	-865	2211	1087	128	-271	-381	460	1947	5206	2823	6818	5354	2655
37	1965 Regional Report Surplus Deficit	1084	1458	3326	2653	1472	3070	3791	5725	5766	4035	5847	7136	4231	1761
38	1966 Regional Report Surplus Deficit	1339	1686	1747	1880	1051	212	586	1502	2825	5602	3967	6171	3356	1252
39	1967 Regional Report Surplus Deficit	353	-1031	1676	528	179	151	2830	4557	5276	3250	92.8	6607	4841	2081
40	1968 Regional Report Surplus Deficit	995	666	2128	1572	1188	280	1918	3459	5233	2131	1564	5527	4425	1560
41	1969 Regional Report Surplus Deficit	789	660	3907	2965	2725	1511	3286	5162	4825	5835	5564	7639	4743	1698
42	1970 Regional Report Surplus Deficit	848	-104	1891	1493	842	-1027	705	3098	3890	3839	1289	6974	4937	928
43	1971 Regional Report Surplus Deficit	-782	-1714	1563	602	523	-630	3322	5530	6127	5710	5218	7500	5323	2756
44	1972 Regional Report Surplus Deficit	1738	1705	3305	2121	924	680	3634	5245	6856	6457	4865	7474	5043	2536
45	1973 Regional Report Surplus Deficit	1564	1709	4093	1985	942	243	1016	1138	1075	-1439	972	5169	1233	-451
46	1974 Regional Report Surplus Deficit	-1081	-3007	872	778	-112	1764	3994	5477	6438	6034	5630	6813	4892	3007
47	1975 Regional Report Surplus Deficit	1541	1694	3730	1075	672	-512	496	3001	4679	2684	2907	7157	5201	3164
48	1976 Regional Report Surplus Deficit	1216	1158	3061	3310	3238	3780	3417	5233	5693	6131	5444	7448	4725	2391
49	1977 Regional Report Surplus Deficit	1703	2065	6586	2055	736	-1827	-2359	-545	924	-1271	1160	2989	-3502	-1226
50	1978 Regional Report Surplus Deficit	-2264	-3945	-209	69.5	-454	1062	860	2576	3677	5694	4215	7226	3315	1771
51	1979 Regional Report Surplus Deficit	36.1	-1046	3084	2040	774	-944	-234	-72.1	3662	2275	3193	7599	2032	-1358
52	1980 Regional Report Surplus Deficit	-1983	-2602	1350	1216	278	-2141	-708	362	1248	4000	4658	8003	4509	73.0
53	1981 Regional Report Surplus Deficit	-880	-2339	1751	1406	451	2494	2415	3959	4102	473	3293	6880	4899	1655
54	1982 Regional Report Surplus Deficit	682	1213	2796	1500	1019	958	2475	5602	6606	5709	4552	7063	4965	2292

Regional Report Surplus Deficit By Water Year

Operating Year 2023

2012 White Book Report Date: **10/19/2012** *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	1418	1672	4712	3121	1347	1450	3020	4563	6131	5544	3709	7123	4580	2327
56	1984 Regional Report Surplus Deficit	1076	1798	3276	1796	3722	1413	2187	4357	5339	6467	5335	7282	5370	2302
57	1985 Regional Report Surplus Deficit	1404	809	2777	1968	1356	196	49.1	1306	3107	4916	4708	7305	3096	-2355
58	1986 Regional Report Surplus Deficit	-2187	-3402	1266	2776	2587	-342	1521	4117	6900	5545	5139	6742	4383	774
59	1987 Regional Report Surplus Deficit	-164	-1746	1535	900	515	416	-234	-28.6	2975	1620	2543	6503	2422	-790
60	1988 Regional Report Surplus Deficit	-2118	-3492	743	453	-370	-2401	-3003	-2497	619	691	2746	5755	1227	423
61	1989 Regional Report Surplus Deficit	-825	-2570	720	512	-182	-318	-1937	-1581	2961	5082	5362	6978	3248	-1229
62	1990 Regional Report Surplus Deficit	-1489	-2303	1260	638	1124	314	1117	3314	4572	3981	6008	6730	4519	1009
63	1991 Regional Report Surplus Deficit	619	83.8	1570	294	2883	1638	2106	4440	4630	5005	3574	6849	4279	1879
64	1992 Regional Report Surplus Deficit	903	1184	1753	364	378	-1444	-1053	-126	2463	234	1179	4932	-539	-1743
65	1993 Regional Report Surplus Deficit	-2491	-3837	-86.5	604	-88.3	-1424	-3700	-2810	2034	1364	2593	6654	3926	584
66	1994 Regional Report Surplus Deficit	-251	-1403	938	438	646	-1616	-2818	-1291	529	-191	2463	6099	2380	18.3
67	1995 Regional Report Surplus Deficit	-1360	-3074	859	270	-349	-1185	-1253	2666	5141	2894	2141	6784	4750	1282
68	1996 Regional Report Surplus Deficit	3.13	-781	2122	2992	4377	3468	4025	6129	6961	6136	6430	7518	4883	2364
69	1997 Regional Report Surplus Deficit	1242	1390	1916	1254	939	1372	3996	5406	6932	5758	6056	7154	4993	2604
70	1998 Regional Report Surplus Deficit	1625	1835	4762	5267	2675	1182	820	2093	3351	2710	3478	7632	5165	1652
71	1999 Regional Report Surplus Deficit	805	-342	1865	1187	16.4	828	3240	5318	6220	4816	4857	7147	5355	2672
72	2000 Regional Report Surplus Deficit	1799	2137	3640	1735	3525	2143	1500	2849	4526	6143	5881	6689	3739	1275
73	2001 Regional Report Surplus Deficit	683	-2002	1558	1227	379	-1872	-2403	-997	946	-874	1702	4323	-4167	-1891
74	2002 Regional Report Surplus Deficit	-2743	-4050	-915	-643	-401	-1230	-2036	-146	1605	4078	5223	6216	4583	2006
75	2003 Regional Report Surplus Deficit	646	-663	1482	-177	379	-1785	-2171	-893	4058	4019	3522	6364	4605	-1090
76	2004 Regional Report Surplus Deficit	-2266	-3349	586	878	213	322	-1330	-1375	2768	2707	2645	6514	3273	-533
77	2005 Regional Report Surplus Deficit	-1720	-2403	2863	1317	387	262	-41.6	1316	2343	-382	2397	6788	3624	-90.3
78	2006 Regional Report Surplus Deficit	-484	-2380	1005	402	274	-419	1018	4279	4524	6254	5713	7594	4819	839
79	2007 Regional Report Surplus Deficit	-426	-1824	1098	145	1016	-381	1278	1424	5739	4759	3813	6798	3055	1341
80	2008 Regional Report Surplus Deficit	-349	-2385	399	759	-33.6	-1064	-1191	0.47	2226	2762	913	7173	5355	1853

Ranked Averages

81	**Bottom 10 pct**	**-2358**	**-3839**	**254**	**593**	**121**	**-1124**	**-1936**	**-526**	**2753**	**3074**	**3409**	**6683**	**3722**	**575**
82	**Middle 80 pct**	**58.4**	**-751**	**1813**	**1421**	**951**	**226**	**792**	**2343**	**3917**	**3804**	**3855**	**6752**	**3703**	**890**
83	**Top 10 pct**	**1619**	**1836**	**4576**	**2383**	**1594**	**427**	**917**	**2281**	**3576**	**2796**	**3179**	**6315**	**3326**	**1513**

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Section 3: Monthly 1-Hour Capacity Operating Year 2014 to 2023

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Exhibit 19
Federal Report Surplus Deficit

Monthly 1-Hour Capacity
Operating Year 2014 to 2023
Using 1937-Water Conditions

Federal Report Surplus Deficit

Operating Year: 2014 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
1	**Non-Utility Obligation**	1127	1127	1035	999	663	794	544	813	922	947	947	1052	1098	1168
2	Federal Agencies	141	141	131	154	185	214	213	196	197	169	169	151	155	157
3	USBR Obligation	671	671	589	529	162	264	14.9	301	409	462	462	585	627	696
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	9550	9215	8771	8774	10759	11723	11812	10671	10254	9219	9291	9615	9049	9769
6	Load Following 2012 PSC	4199	4199	4033	4286	4812	5473	5431	5127	4666	4511	4511	4153	4138	4360
7	Slice Block 2012 PSC	1636	1636	1716	1655	2046	2274	2310	2137	1989	1663	1663	1454	1351	1592
8	Slice Right to Power 2012 PSC	2740	2424	2227	2141	2967	3154	2793	2401	2789	2433	2437	3570	3107	3002
9	Exports	1604	1604	1450	1615	1339	1340	1341	1469	1455	1338	1338	1398	1400	1436
10	Intra-Regional Transfers (Out)	234	234	234	9.00	287	283	282	283	145	143	143	9.00	9.00	9.00
11	Federal Diversity	-863	-882	-889	-932	-692	-802	-344	-745	-791	-869	-801	-969	-955	-631
12	**Total Firm Obligations**	**10677**	**10343**	**9806**	**9773**	**11422**	**12516**	**12356**	**11484**	**11176**	**10165**	**10237**	**10666**	**10148**	**10937**
	Net Resources														
13	**Net Hydro**	12823	11574	10554	10389	13285	14048	12585	11464	12910	11444	11460	15944	14247	13915
14	Regulated Hydro - Net	12354	11110	10015	9973	12890	13773	12340	11245	12546	10839	10842	15185	13448	13399
15	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
16	**Other Resources**	1146	1146	1147	1152	1154	1157	1159	1158	1158	1157	1157	1154	1148	1151
17	Cogeneration Resources	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
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
20	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Small Hydro Resources	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	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	539	531	776	716	1017	1132	891	882	891	865	865	334	575	366
24	Imports	176	176	72.3	72.3	103	305	73.2	73.2	73.2	56.9	56.9	11.0	1.00	56.0
25	Intra-Regional Transfers (In)	58.0	58.0	412	354	604	512	512	512	512	512	512	0	262	0
26	Non-Federal CER	239	239	239	239	239	239	239	239	239	238	238	238	238	238
27	Slice Transmission Loss Return	65.6	58.0	53.2	51.1	71.0	75.5	66.8	57.4	66.7	58.1	58.2	85.5	74.3	71.8
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-2078	-2000	-1936	-1918	-2151	-2234	-2128	-2044	-2094	-1997	-1998	-2179	-2145	-2146
30	Contingency Reserves (Spinning)	-375	-356	-336	-348	-413	-441	-416	-392	-392	-368	-368	-394	-387	-397
31	Contingency Reserves (Non-Spinning)	-375	-356	-336	-348	-413	-441	-416	-392	-392	-368	-368	-394	-387	-397
32	Load Following Reserves	-486	-486	-486	-478	-478	-478	-478	-478	-478	-478	-478	-478	-492	-492
33	Generation Imbalance Reserves	-411	-411	-411	-385	-385	-385	-385	-385	-385	-385	-385	-385	-400	-400
34	Transmission Losses	-431	-390	-365	-358	-461	-489	-433	-397	-446	-398	-398	-529	-479	-461
35	**Total Net Resources**	**12430**	**11250**	**10541**	**10340**	**13305**	**14103**	**12506**	**11460**	**12865**	**11469**	**11484**	**15254**	**13825**	**13286**
36	**Total Surplus/Deficit**	**1752**	**908**	**735**	**567**	**1883**	**1587**	**151**	**-24.8**	**1688**	**1304**	**1247**	**4588**	**3677**	**2349**

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
1	**Non-Utility Obligation**	1132	1132	1038	1001	664	796	547	817	925	949	949	1054	1101	1171
2	Federal Agencies	142	142	132	156	187	216	216	199	200	171	171	153	158	159
3	USBR Obligation	673	673	589	529	161	264	14.8	301	409	462	462	585	627	696
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	9402	9087	8357	8918	10989	11806	12098	10917	10463	9440	9316	9458	8728	9862
6	Load Following 2012 PSC	4248	4248	4076	4348	4875	5536	5490	5178	4719	4565	4565	4209	4198	4425
7	Slice Block 2012 PSC	1593	1593	1661	1736	2147	2387	2424	2243	2088	1746	1746	1526	1419	1671
8	Slice Right to Power 2012 PSC	2888	2600	2204	2048	2951	3164	2982	2502	2798	2469	2397	3338	2687	2924
9	Exports	1585	1585	1431	1647	1371	1372	1373	1501	1487	1370	1370	1430	1432	1451
10	Intra-Regional Transfers (Out)	9.00	9.00	9.00	9.00	288	285	283	283	145	143	143	9.00	9.00	9.00
11	Federal Diversity	-921	-948	-1024	-870	-643	-938	-453	-790	-775	-855	-906	-1054	-1018	-618
12	**Total Firm Obligations**	**10534**	**10218**	**9395**	**9919**	**11653**	**12602**	**12645**	**11734**	**11388**	**10389**	**10265**	**10512**	**9829**	**11032**
	Net Resources														
13	**Net Hydro**	13469	12326	10636	10235	13452	14275	13520	12052	13131	11776	11479	16320	13854	13772
14	Regulated Hydro - Net	13000	11863	10097	9819	13058	14000	13274	11832	12768	11170	10861	15561	13055	13255
15	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
16	**Other Resources**	1146	1146	1147	1152	1154	1157	1159	1158	1158	1157	1157	23.6	18.3	1151
17	Cogeneration Resources	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
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
20	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Small Hydro Resources	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	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	483	476	625	672	700	932	696	684	691	666	664	379	615	399
24	Imports	176	176	72.3	72.3	78.2	305	73.2	73.2	73.2	56.9	56.9	11.0	1.00	41.0
25	Intra-Regional Transfers (In)	0	0	262	313	313	313	313	313	313	313	313	51.0	313	51.0
26	Non-Federal CER	238	238	238	238	238	238	238	238	238	237	237	237	237	237
27	Slice Transmission Loss Return	69.1	62.1	52.6	48.9	70.6	75.7	71.3	59.8	66.9	59.0	57.3	79.9	64.2	69.9
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-2115	-2045	-1957	-1962	-2206	-2370	-2308	-2202	-2229	-2139	-2111	-2230	-2123	-2241
30	Contingency Reserves (Spinning)	-387	-370	-339	-347	-416	-444	-429	-400	-395	-372	-368	-365	-349	-395
31	Contingency Reserves (Non-Spinning)	-387	-370	-339	-347	-416	-444	-429	-400	-395	-372	-368	-365	-349	-395
32	Load Following Reserves	-492	-492	-505	-507	-507	-533	-533	-533	-533	-533	-533	-533	-533	-533
33	Generation Imbalance Reserves	-400	-400	-411	-412	-412	-464	-464	-464	-464	-464	-454	-464	-464	-464
34	Transmission Losses	-450	-413	-362	-350	-454	-485	-453	-405	-442	-397	-388	-502	-429	-453
35	**Total Net Resources**	**12982**	**11904**	**10452**	**10098**	**13100**	**13994**	**13066**	**11691**	**12751**	**11459**	**11189**	**14492**	**12365**	**13081**
36	**Total Surplus/Deficit**	**2449**	**1686**	**1057**	**179**	**1447**	**1393**	**421**	**-42.9**	**1363**	**1070**	**924**	**3980**	**2536**	**2049**

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
1	**Non-Utility Obligation**	1133	1133	1040	1001	667	799	548	811	927	950	950	1055	1102	1172
2	Federal Agencies	144	144	134	158	189	219	217	193	201	172	172	154	159	160
3	USBR Obligation	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	9430	9104	8384	8826	11174	11817	12104	10772	10724	9560	9237	9591	9109	9666
6	Load Following 2012 PSC	4311	4311	4134	4372	4901	5565	5528	5168	4750	4600	4600	4246	4237	4470
7	Slice Block 2012 PSC	1671	1671	1743	1684	2082	2315	2350	2100	2024	1693	1693	1481	1379	1621
8	Slice Right to Power 2012 PSC	2869	2521	2061	2036	2918	3200	2951	2457	3209	2487	2410	3549	3106	2884
9	Exports	1536	1536	1379	1611	1334	1335	1336	1464	1451	1334	1334	1317	1319	1353
10	Intra-Regional Transfers (Out)	9.00	9.00	9.00	9.00	283	282	282	283	144	143	143	9.00	9.00	9.00
11	Federal Diversity	-966	-945	-943	-887	-344	-881	-344	-701	-854	-697	-942	-1011	-941	-671
12	**Total Firm Obligations**	**10563**	**10237**	**9423**	**9826**	**11841**	**12615**	**12652**	**11583**	**11651**	**10510**	**10187**	**10647**	**10211**	**10838**
	Net Resources														
13	**Net Hydro**	13525	12149	10218	10327	13457	14478	13457	11925	14825	11891	11586	16087	14490	13750
14	Regulated Hydro - Net	13056	11685	9679	9911	13063	14203	13212	11706	14462	11286	10968	15328	13690	13234
15	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
16	**Other Resources**	1146	1146	1147	1152	1154	1157	1159	1158	1158	1135	1135	1135	1134	1133
17	Cogeneration Resources	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	0	0	0	0	0
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
20	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Small Hydro Resources	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	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	518	509	640	639	677	916	678	666	684	665	664	373	624	357
24	Imports	161	161	41.0	41.0	57.1	289	57.1	57.1	57.1	57.1	57.1	1.00	1.00	1.00
25	Intra-Regional Transfers (In)	51.0	51.0	313	313	313	313	313	313	313	313	313	51.0	313	51.0
26	Non-Federal CER	237	237	237	237	237	237	237	237	237	236	236	236	236	236
27	Slice Transmission Loss Return	68.6	60.3	49.2	48.5	69.6	76.4	70.5	58.6	76.7	59.3	57.4	84.8	74.2	68.9
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-2256	-2171	-2067	-2102	-2341	-2444	-2366	-2255	-2402	-2196	-2177	-2405	-2419	-2394
30	Contingency Reserves (Spinning)	-387	-367	-332	-347	-416	-448	-429	-398	-420	-365	-360	-405	-390	-394
31	Contingency Reserves (Non-Spinning)	-387	-367	-332	-347	-416	-448	-429	-398	-420	-365	-360	-405	-390	-394
32	Load Following Reserves	-555	-555	-574	-576	-576	-576	-576	-576	-580	-580	-580	-580	-638	-638
33	Generation Imbalance Reserves	-478	-478	-484	-485	-485	-485	-485	-485	-488	-488	-488	-488	-522	-522
34	Transmission Losses	-448	-403	-344	-347	-449	-489	-448	-398	-494	-398	-388	-526	-479	-445
35	**Total Net Resources**	**12932**	**11634**	**9939**	**10016**	**12947**	**14107**	**12927**	**11493**	**14264**	**11495**	**11207**	**15189**	**13829**	**12847**
36	**Total Surplus/Deficit**	**2369**	**1397**	**515**	**190**	**1107**	**1491**	**275**	**-89.7**	**2613**	**985**	**1020**	**4543**	**3618**	**2009**

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
1	**Non-Utility Obligation**	1134	1134	1041	1002	668	801	563	832	941	964	964	1068	1116	1185
2	Federal Agencies	146	146	135	160	191	220	232	215	215	186	186	167	173	173
3	USBR Obligation	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	9395	8817	8324	8968	11188	11896	12122	10909	10637	9697	9279	9414	8865	9806
6	Load Following 2012 PSC	4353	4353	4170	4413	4943	5616	5574	5262	4789	4643	4643	4292	4286	4524
7	Slice Block 2012 PSC	1621	1621	1690	1721	2128	2366	2403	2224	2070	1730	1730	1513	1409	1657
8	Slice Right to Power 2012 PSC	2788	2455	2072	2067	3083	3162	2929	2461	3060	2506	2398	3336	2748	2926
9	Exports	1474	1474	1317	1549	1319	1320	1321	1449	1436	1318	1318	1317	1319	1353
10	Intra-Regional Transfers (Out)	9.00	9.00	9.00	9.00	286	284	287	282	144	143	143	9.00	9.00	9.00
11	Federal Diversity	-851	-1096	-934	-791	-573	-853	-392	-769	-861	-644	-953	-1053	-905	-663
12	**Total Firm Obligations**	**10529**	**9951**	**9365**	**9970**	**11856**	**12697**	**12685**	**11742**	**11578**	**10661**	**10243**	**10482**	**9981**	**10991**
	Net Resources														
13	**Net Hydro**	13337	12015	10360	10564	14301	14518	13564	12131	14418	12130	11700	16457	14279	14031
14	Regulated Hydro - Net	12868	11551	9821	10148	13906	14243	13319	11911	14055	11524	11082	15698	13480	13514
15	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
16	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	4.58	4.09	1133
17	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
20	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Small Hydro Resources	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	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	475	467	599	599	624	858	620	609	623	608	605	366	614	356
24	Imports	121	121	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
25	Intra-Regional Transfers (In)	51.0	51.0	313	313	313	313	313	313	313	313	313	51.0	313	51.0
26	Non-Federal CER	236	236	236	236	236	236	236	236	236	234	234	234	234	234
27	Slice Transmission Loss Return	66.5	58.5	49.3	49.2	73.6	75.5	69.9	58.7	73.1	59.8	57.2	79.7	65.6	69.9
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-2365	-2282	-2173	-2213	-2489	-2543	-2469	-2365	-2470	-2305	-2279	-2422	-2394	-2501
30	Contingency Reserves (Spinning)	-384	-365	-334	-351	-428	-448	-431	-402	-414	-369	-362	-378	-354	-399
31	Contingency Reserves (Non-Spinning)	-384	-365	-334	-351	-428	-448	-431	-402	-414	-369	-362	-378	-354	-399
32	Load Following Reserves	-638	-638	-638	-639	-639	-639	-639	-639	-642	-642	-642	-642	-686	-686
33	Generation Imbalance Reserves	-522	-522	-522	-523	-523	-523	-523	-523	-525	-525	-525	-525	-567	-567
34	Transmission Losses	-436	-393	-344	-350	-470	-484	-445	-399	-475	-401	-387	-499	-433	-451
35	**Total Net Resources**	**12581**	**11332**	**9919**	**10084**	**13571**	**13968**	**12850**	**11509**	**13706**	**11567**	**11161**	**14405**	**12502**	**13019**
36	**Total Surplus/Deficit**	**2052**	**1381**	**554**	**114**	**1715**	**1271**	**165**	**-233**	**2127**	**906**	**918**	**3923**	**2522**	**2028**

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
1	**Non-Utility Obligation**	1147	1147	1054	1014	679	813	569	838	946	969	969	1073	1121	1190
2	Federal Agencies	159	159	148	172	202	233	238	220	221	191	191	172	178	178
3	USBR Obligation	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	9496	8881	8421	8959	11241	11869	11721	10895	10332	9584	9370	9763	9059	9764
6	Load Following 2012 PSC	4405	4405	4215	4457	4989	5670	5627	5309	4833	4691	4691	4341	4334	4579
7	Slice Block 2012 PSC	1657	1657	1727	1688	2089	2322	2359	2183	2031	1697	1697	1484	1382	1626
8	Slice Right to Power 2012 PSC	2792	2441	2082	2080	3062	3156	2916	2468	2669	2515	2393	3569	3069	2898
9	Exports	1492	1492	1335	1567	1337	1338	1338	1467	1453	1336	1336	1335	1336	1371
10	Intra-Regional Transfers (Out)	9.00	9.00	9.00	9.00	287	284	283	282	144	143	143	9.00	9.00	9.00
11	Federal Diversity	-859	-1123	-947	-842	-523	-901	-801	-815	-799	-799	-890	-974	-1072	-719
12	**Total Firm Obligations**	**10643**	**10028**	**9475**	**9973**	**11920**	**12682**	**12290**	**11732**	**11278**	**10552**	**10339**	**10837**	**10180**	**10954**
	Net Resources														
13	**Net Hydro**	13485	12091	10532	10690	14298	14575	13585	12235	12941	12259	11775	16421	14527	13991
14	Regulated Hydro - Net	13016	11627	9993	10274	13904	14299	13339	12016	12577	11654	11157	15662	13728	13475
15	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
16	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	1135	1134	1133
17	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
20	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Small Hydro Resources	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	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	473	464	467	466	490	724	486	476	480	475	472	369	488	353
24	Imports	121	121	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
25	Intra-Regional Transfers (In)	51.0	51.0	182	182	182	182	182	182	182	182	182	51.0	182	51.0
26	Non-Federal CER	234	234	234	234	234	234	234	234	234	232	232	232	232	232
27	Slice Transmission Loss Return	66.6	58.2	49.6	49.2	72.9	75.1	69.3	58.6	63.4	59.7	56.8	85.0	73.0	68.9
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-2463	-2377	-2269	-2306	-2573	-2631	-2555	-2456	-2459	-2412	-2382	-2660	-2588	-2580
30	Contingency Reserves (Spinning)	-387	-366	-337	-353	-428	-449	-431	-404	-393	-381	-374	-400	-391	-399
31	Contingency Reserves (Non-Spinning)	-387	-366	-337	-353	-428	-449	-431	-404	-393	-381	-374	-400	-391	-399
32	Load Following Reserves	-686	-686	-686	-687	-687	-687	-687	-687	-687	-687	-687	-719	-721	-721
33	Generation Imbalance Reserves	-567	-567	-567	-567	-567	-567	-567	-567	-567	-567	-567	-612	-614	-614
34	Transmission Losses	-438	-392	-342	-346	-463	-478	-438	-395	-419	-397	-381	-529	-470	-447
35	**Total Net Resources**	**12627**	**11311**	**9863**	**9984**	**13349**	**13802**	**12651**	**11389**	**12097**	**11456**	**10999**	**15265**	**13561**	**12898**
36	**Total Surplus/Deficit**	**1985**	**1283**	**388**	**11.5**	**1430**	**1120**	**361**	**-343**	**819**	**904**	**660**	**4428**	**3381**	**1943**

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
1	**Non-Utility Obligation**	1152	1152	1059	1018	683	817	573	844	950	973	973	1077	1125	1194
2	Federal Agencies	164	164	153	176	206	237	242	226	225	195	195	177	182	182
3	USBR Obligation	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	9466	8949	8403	8892	10992	11818	11730	10782	10260	9588	9253	9523	8862	9852
6	Load Following 2012 PSC	4458	4458	4263	4501	5035	5724	5680	5350	4878	4739	4739	4390	4385	4636
7	Slice Block 2012 PSC	1626	1626	1695	1724	2134	2372	2409	2230	2075	1733	1733	1516	1412	1660
8	Slice Right to Power 2012 PSC	2798	2510	2121	2022	3082	3262	3010	2548	2676	2531	2414	3268	2733	2881
9	Exports	1492	1492	1335	1567	1337	1338	1338	1467	1453	1336	1336	1335	1336	1371
10	Intra-Regional Transfers (Out)	9.00	9.00	9.00	9.00	16.0	16.0	16.0	16.0	9.00	9.00	9.00	9.00	9.00	9.00
11	Federal Diversity	-916	-1145	-1020	-931	-612	-894	-723	-829	-830	-760	-978	-994	-1012	-705
12	**Total Firm Obligations**	**10618**	**10101**	**9462**	**9911**	**11675**	**12635**	**12304**	**11625**	**11211**	**10561**	**10226**	**10600**	**9988**	**11046**
	Net Resources														
13	**Net Hydro**	13573	12425	10745	10570	14199	14818	13784	12376	12944	12295	11830	16363	14325	13986
14	Regulated Hydro - Net	13104	11962	10206	10154	13804	14542	13538	12157	12581	11689	11212	15603	13526	13470
15	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
16	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	4.58	4.09	1133
17	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
20	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Small Hydro Resources	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	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	471	464	465	463	488	725	487	475	479	473	470	360	478	351
24	Imports	121	121	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
25	Intra-Regional Transfers (In)	51.0	51.0	182	182	182	182	182	182	182	182	182	51.0	182	51.0
26	Non-Federal CER	232	232	232	232	232	232	232	232	232	230	230	230	230	230
27	Slice Transmission Loss Return	66.5	59.6	50.2	47.8	73.3	77.7	71.6	60.5	63.6	60.1	57.3	77.8	64.9	68.5
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-2561	-2490	-2374	-2389	-2658	-2738	-2658	-2556	-2558	-2513	-2485	-2582	-2497	-2627
30	Contingency Reserves (Spinning)	-388	-372	-340	-351	-427	-453	-434	-406	-393	-381	-374	-368	-357	-400
31	Contingency Reserves (Non-Spinning)	-388	-372	-340	-351	-427	-453	-434	-406	-393	-381	-374	-368	-357	-400
32	Load Following Reserves	-726	-726	-726	-726	-726	-726	-726	-726	-728	-728	-728	-728	-730	-739
33	Generation Imbalance Reserves	-622	-622	-622	-622	-622	-622	-622	-622	-628	-628	-628	-628	-627	-644
34	Transmission Losses	-437	-400	-346	-339	-456	-483	-442	-396	-416	-395	-380	-490	-427	-445
35	**Total Net Resources**	**12616**	**11532**	**9970**	**9778**	**13163**	**13939**	**12746**	**11431**	**11999**	**11389**	**10951**	**14145**	**12310**	**12842**
36	**Total Surplus/Deficit**	**1998**	**1430**	**508**	**-133**	**1489**	**1304**	**443**	**-195**	**789**	**828**	**725**	**3544**	**2323**	**1796**

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
1	**Non-Utility Obligation**	1156	1156	1063	1022	686	821	577	838	953	976	976	1080	1128	1197
2	Federal Agencies	168	168	157	180	209	241	246	220	228	198	198	179	185	185
3	USBR Obligation	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	9490	9043	8495	8895	11010	11767	11626	10714	10412	9525	9163	9715	9125	9941
6	Load Following 2012 PSC	4512	4512	4312	4554	5090	5786	5733	5354	4923	4788	4788	4441	4438	4696
7	Slice Block 2012 PSC	1660	1660	1731	1695	2097	2331	2368	2116	2039	1703	1703	1490	1387	1632
8	Slice Right to Power 2012 PSC	2808	2476	2123	2073	2996	3272	3008	2535	2794	2576	2429	3550	3066	2868
9	Exports	1492	1492	1335	1567	1337	1338	1338	1467	1453	1336	1336	1335	1336	1371
10	Intra-Regional Transfers (Out)	9.00	9.00	9.00	9.00	16.0	16.0	16.0	16.0	9.00	9.00	9.00	9.00	9.00	9.00
11	Federal Diversity	-991	-1105	-1015	-1003	-525	-975	-837	-773	-806	-887	-1102	-1109	-1112	-635
12	**Total Firm Obligations**	**10646**	**10199**	**9558**	**9917**	**11696**	**12588**	**12203**	**11552**	**11365**	**10501**	**10138**	**10796**	**10253**	**11138**
	Net Resources														
13	**Net Hydro**	13662	12341	10802	10769	13853	14854	13776	12321	13406	12471	11888	16384	14548	13932
14	Regulated Hydro - Net	13194	11877	10263	10353	13458	14578	13530	12101	13043	11865	11270	15625	13749	13416
15	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
16	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	1135	1134	1133
17	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
20	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Small Hydro Resources	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	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	469	461	332	280	302	541	302	290	296	290	287	314	302	297
24	Imports	121	121	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
25	Intra-Regional Transfers (In)	51.0	51.0	51.0	0	0	0	0	0	0	0	0	0	0	0
26	Non-Federal CER	230	230	230	230	230	230	229	229	229	228	228	228	228	228
27	Slice Transmission Loss Return	66.7	58.8	50.3	49.1	71.3	77.9	71.6	60.2	66.4	61.2	57.6	84.6	72.9	68.2
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-2604	-2522	-2409	-2398	-2634	-2737	-2655	-2548	-2583	-2521	-2485	-2687	-2609	-2625
30	Contingency Reserves (Spinning)	-391	-372	-342	-356	-424	-456	-436	-406	-401	-385	-377	-403	-395	-400
31	Contingency Reserves (Non-Spinning)	-391	-372	-342	-356	-424	-456	-436	-406	-401	-385	-377	-403	-395	-400
32	Load Following Reserves	-739	-739	-739	-726	-726	-726	-726	-726	-728	-728	-728	-728	-730	-739
33	Generation Imbalance Reserves	-644	-644	-644	-622	-622	-622	-622	-622	-628	-628	-628	-628	-627	-644
34	Transmission Losses	-439	-396	-342	-339	-439	-478	-435	-388	-425	-394	-375	-525	-464	-441
35	**Total Net Resources**	**12661**	**11413**	**9858**	**9785**	**12656**	**13792**	**12557**	**11197**	**12255**	**11375**	**10825**	**15146**	**13375**	**12737**
36	**Total Surplus/Deficit**	**2015**	**1214**	**300**	**-132**	**960**	**1204**	**354**	**-355**	**889**	**874**	**686**	**4350**	**3122**	**1599**

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
1	**Non-Utility Obligation**	1159	1159	1065	1025	689	824	579	847	956	977	977	1082	1130	1199
2	Federal Agencies	170	170	160	182	211	244	248	230	230	200	200	181	187	187
3	USBR Obligation	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	9679	9003	8463	8903	10998	11840	11823	11023	10478	9694	9139	9593	8931	9860
6	Load Following 2012 PSC	4569	4569	4364	4599	5137	5838	5791	5465	4976	4844	4844	4500	4500	4764
7	Slice Block 2012 PSC	1632	1632	1702	1685	2085	2318	2355	2179	2028	1694	1694	1481	1379	1623
8	Slice Right to Power 2012 PSC	2847	2514	2183	2043	3000	3287	2975	2604	2805	2593	2400	3270	2832	2861
9	Exports	1492	1492	1335	1567	1337	1338	1338	1467	1453	1336	1336	1335	1336	1371
10	Intra-Regional Transfers (Out)	9.00	9.00	9.00	9.00	16.0	16.0	16.0	16.0	9.00	9.00	9.00	9.00	9.00	9.00
11	Federal Diversity	-870	-1213	-1129	-1000	-577	-957	-652	-708	-792	-782	-1143	-1002	-1125	-766
12	**Total Firm Obligations**	**10838**	**10161**	**9529**	**9928**	**11687**	**12664**	**12402**	**11871**	**11434**	**10671**	**10117**	**10675**	**10061**	**11059**
	Net Resources														
13	**Net Hydro**	13817	12491	11039	10669	13890	14913	13641	12594	13447	12535	11766	16368	14710	13897
14	Regulated Hydro - Net	13348	12027	10500	10253	13495	14637	13395	12375	13083	11929	11148	15609	13911	13380
15	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
16	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	4.58	4.09	1133
17	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
20	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Small Hydro Resources	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	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	417	409	281	277	300	539	300	291	296	291	286	307	296	297
24	Imports	121	121	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
25	Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Non-Federal CER	228	228	228	228	228	228	228	228	228	228	228	228	228	228
27	Slice Transmission Loss Return	67.7	59.7	51.7	48.4	71.4	78.3	70.8	61.8	66.7	61.6	56.9	77.9	67.3	68.0
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-2615	-2532	-2425	-2395	-2639	-2725	-2629	-2549	-2568	-2507	-2460	-2568	-2500	-2606
30	Contingency Reserves (Spinning)	-395	-375	-347	-356	-426	-448	-425	-402	-392	-377	-366	-362	-355	-391
31	Contingency Reserves (Non-Spinning)	-395	-375	-347	-356	-426	-448	-425	-402	-392	-377	-366	-362	-355	-391
32	Load Following Reserves	-739	-739	-739	-726	-726	-726	-726	-726	-728	-728	-728	-728	-730	-739
33	Generation Imbalance Reserves	-644	-644	-644	-622	-622	-622	-622	-622	-628	-628	-628	-628	-627	-644
34	Transmission Losses	-442	-399	-348	-336	-440	-480	-431	-398	-427	-397	-372	-489	-434	-441
35	**Total Net Resources**	**12752**	**11500**	**10028**	**9685**	**12686**	**13862**	**12446**	**11471**	**12309**	**11453**	**10727**	**14112**	**12510**	**12721**
36	**Total Surplus/Deficit**	**1915**	**1339**	**499**	**-242**	**999**	**1198**	**44.3**	**-400**	**876**	**782**	**610**	**3437**	**2449**	**1662**

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
1	**Non-Utility Obligation**	1160	1160	1067	1027	690	826	581	849	957	979	979	1083	1131	1200
2	Federal Agencies	172	172	161	184	213	246	250	232	232	201	201	182	188	188
3	USBR Obligation	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	9657	9080	8561	9032	11097	11901	11798	11005	10410	9607	9191	9877	9137	9886
6	Load Following 2012 PSC	4635	4635	4425	4669	5208	5915	5842	5510	5019	4888	4888	4542	4541	4808
7	Slice Block 2012 PSC	1623	1623	1692	1686	2087	2320	2356	2181	2029	1695	1695	1482	1380	1624
8	Slice Right to Power 2012 PSC	2842	2509	2174	2067	2989	3264	3000	2527	2788	2572	2425	3546	3061	2863
9	Exports	1492	1492	1335	1567	1337	1338	1338	1467	1453	1336	1336	1335	1336	1371
10	Intra-Regional Transfers (Out)	9.00	9.00	9.00	9.00	16.0	16.0	16.0	16.0	9.00	9.00	9.00	9.00	9.00	9.00
11	Federal Diversity	-944	-1188	-1075	-966	-540	-951	-755	-695	-888	-892	-1161	-1037	-1191	-789
12	**Total Firm Obligations**	**10817**	**10240**	**9628**	**10058**	**11787**	**12727**	**12378**	**11855**	**11367**	**10586**	**10170**	**10960**	**10268**	**11086**
	Net Resources														
13	**Net Hydro**	13793	12466	10998	10740	13821	14817	13738	12285	13375	12445	11862	16383	14522	13903
14	Regulated Hydro - Net	13324	12003	10460	10337	13443	14563	13514	12087	13026	11849	11254	15631	13733	13400
15	Independent Hydro - Net	469	464	539	403	378	254	223	199	349	596	608	753	789	504
16	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	1135	1134	1133
17	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
20	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Small Hydro Resources	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	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	417	409	281	278	300	539	300	289	295	290	287	314	302	297
24	Imports	121	121	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
25	Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Non-Federal CER	228	228	228	228	228	228	228	228	228	228	228	228	228	228
27	Slice Transmission Loss Return	67.6	59.6	51.5	48.9	71.1	77.7	71.4	60.0	66.3	61.1	57.5	84.5	72.8	68.1
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-2596	-2514	-2405	-2382	-2617	-2721	-2638	-2533	-2566	-2504	-2468	-2692	-2593	-2609
30	Contingency Reserves (Spinning)	-386	-366	-337	-348	-416	-448	-428	-399	-393	-377	-368	-406	-386	-392
31	Contingency Reserves (Non-Spinning)	-386	-366	-337	-348	-416	-448	-428	-399	-393	-377	-368	-406	-386	-392
32	Load Following Reserves	-739	-739	-739	-726	-726	-726	-726	-726	-728	-728	-728	-728	-730	-739
33	Generation Imbalance Reserves	-644	-644	-644	-622	-622	-622	-622	-622	-628	-628	-628	-628	-627	-644
34	Transmission Losses	-442	-398	-347	-339	-438	-477	-434	-387	-424	-394	-375	-525	-463	-441
35	**Total Net Resources**	**12747**	**11495**	**10007**	**9770**	**12638**	**13769**	**12535**	**11176**	**12239**	**11365**	**10815**	**15139**	**13365**	**12725**
36	**Total Surplus/Deficit**	**1930**	**1254**	**379**	**-288**	**851**	**1042**	**156**	**-678**	**872**	**779**	**645**	**4179**	**3097**	**1639**

Federal Report Surplus Deficit

Operating Year: 2023 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
1	**Non-Utility Obligation**	1161	1161	1068	1028	692	828	582	852	953	980	980	1085	1133	1201
2	Federal Agencies	173	173	162	186	214	248	252	235	228	202	202	184	190	190
3	USBR Obligation	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	9647	8942	8547	9032	11045	12054	11925	11145	10473	9723	9160	9613	8982	9939
6	Load Following 2012 PSC	4678	4678	4466	4714	5257	5972	5885	5543	5056	4925	4925	4578	4578	4848
7	Slice Block 2012 PSC	1624	1624	1693	1686	2087	2320	2356	2181	2029	1695	1695	1482	1380	1624
8	Slice Right to Power 2012 PSC	2842	2509	2178	2038	2995	3280	2968	2597	2800	2590	2396	3267	2828	2856
9	Exports	1492	1492	1335	1567	1337	1338	1338	1467	1453	1336	1336	1335	1336	1371
10	Intra-Regional Transfers (Out)	9.00	9.00	9.00	9.00	16.0	16.0	16.0	16.0	9.00	9.00	9.00	9.00	9.00	9.00
11	Federal Diversity	-998	-1370	-1134	-983	-646	-871	-639	-658	-874	-832	-1201	-1058	-1149	-769
12	**Total Firm Obligations**	**10808**	**10103**	**9615**	**10060**	**11737**	**12882**	**12507**	**11998**	**11426**	**10703**	**10140**	**10698**	**10115**	**11140**
	Net Resources														
13	**Net Hydro**	13792	12465	11012	10639	13857	14896	13624	12578	13437	12510	11741	16386	14705	13889
14	Regulated Hydro - Net	13333	12011	10484	10236	13479	14642	13401	12379	13088	11914	11133	15634	13916	13385
15	Independent Hydro - Net	459	454	528	403	378	254	223	199	349	596	608	753	789	504
16	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	4.58	4.09	1133
17	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
20	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Small Hydro Resources	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	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	417	409	281	277	300	539	300	291	296	290	286	307	296	297
24	Imports	121	121	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
25	Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Non-Federal CER	228	228	228	228	228	228	228	228	228	228	228	228	228	228
27	Slice Transmission Loss Return	67.6	59.6	51.6	48.2	71.2	78.1	70.6	61.7	66.5	61.5	56.8	77.8	67.2	67.9
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-2599	-2517	-2408	-2378	-2622	-2729	-2633	-2553	-2572	-2491	-2444	-2593	-2504	-2610
30	Contingency Reserves (Spinning)	-387	-368	-339	-347	-418	-451	-428	-404	-395	-369	-358	-374	-357	-393
31	Contingency Reserves (Non-Spinning)	-387	-368	-339	-347	-418	-451	-428	-404	-395	-369	-358	-374	-357	-393
32	Load Following Reserves	-739	-739	-739	-726	-726	-726	-726	-726	-728	-728	-728	-728	-730	-739
33	Generation Imbalance Reserves	-644	-644	-644	-622	-622	-622	-622	-622	-628	-628	-628	-628	-627	-644
34	Transmission Losses	-442	-398	-347	-335	-439	-480	-431	-397	-426	-397	-371	-489	-433	-441
35	**Total Net Resources**	**12743**	**11491**	**10018**	**9673**	**12670**	**13841**	**12425**	**11450**	**12295**	**11443**	**10717**	**14105**	**12501**	**12709**
36	**Total Surplus/Deficit**	**1935**	**1387**	**403**	**-387**	**933**	**959**	**-82.5**	**-548**	**870**	**740**	**577**	**3407**	**2386**	**1569**

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Exhibit 20
Regional Report Surplus Deficit

Monthly 1-Hour Capacity
Operating Year 2014 to 2023
Using 1937-Water Conditions

Loads and Resources - Pacific Northwest Region

Operating Year: 2014 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20130606-150434

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	29140	29140	26271	27116	30166	33313	33182	31497	28856	27339	27339	25709	28488	30521
2	Federal Agency	152	152	142	166	193	222	221	204	205	181	181	163	167	169
3	USBR	671	671	589	529	162	264	14.9	301	409	462	462	585	627	696
4	Cooperative	2595	2595	2428	2486	2720	3156	3119	2923	2667	2640	2640	2570	2619	2763
5	Municipality	3375	3375	3248	3743	4302	4603	4591	4421	3978	3781	3781	3282	3343	3527
6	Public Utility District	5469	5469	5210	5825	6782	7528	7336	6946	6211	5972	5972	5415	5406	5689
7	Investor-Owned Utility	15975	15975	13771	13485	15120	16643	16995	15810	14499	13429	13429	12819	15433	16766
8	Marketer	440	440	420	419	424	435	443	430	424	412	412	413	431	449
9	Direct-Service Industry	463	463	463	463	463	463	463	463	463	463	463	463	463	463
10	**Exports**	2398	2398	2243	2077	1714	1713	1713	1842	1831	1713	1721	1688	2193	2229
11	Canada	1463	1463	1311	1543	1311	1311	1311	1440	1427	1311	1311	1311	1311	1345
12	East Continental Divide	19.8	19.8	17.3	17.1	19.1	20.1	20.9	20.1	19.5	18.3	18.3	17.0	18.8	20.5
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	915	915	915	517	384	381	381	381	384	384	392	360	864	864
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-863	-882	-889	-932	-692	-802	-344	-745	-791	-869	-801	-969	-955	-631
17		-863	-882	-889	-932	-692	-802	-344	-745	-791	-869	-801	-969	-955	-631
18	**Total Firm Loads**	**30675**	**30656**	**27626**	**28261**	**31188**	**34224**	**34551**	**32594**	**29895**	**28183**	**28259**	**26429**	**29727**	**32120**
	Non-Firm Loads														
1	**Regional Non-Firm Loads**	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
2	Federal Agency	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	USBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Cooperative	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
7	Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Direct-Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
	Resources														
1	**Hydro**	23024	22057	20874	20547	23642	24465	23263	21647	23074	21525	21506	26617	25576	24916
2	Regulated Hydro - Net	21516	20550	19295	19036	22178	23074	21928	20402	21570	19736	19701	24627	23538	23289
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16396	16395	16409	16490	16577	16645	16649	16610	15924	16014	15013	13068	15786	16467
5	Cogeneration Resources	2941	2941	2964	3045	3063	3077	3080	3074	2406	3046	2566	2711	2932	2944
6	Combustion Turbine Resources	5602	5602	5665	5748	5876	5940	5949	5904	5853	5707	5707	4623	5075	5599
7	Large Thermal Resources	7244	7244	7244	7244	7244	7244	7244	7244	7244	6726	6196	5062	7090	7244
8	Renewable Resources	126	126	126	126	126	127	126	127	125	125	125	125	125	126
9	Small Hydro	401	399	327	244	185	173	166	177	212	326	336	461	480	473
10	Small Thermal & Miscellaneous	84.1	84.4	83.5	83.6	83.9	85.0	85.4	85.1	83.7	83.8	83.5	85.7	83.5	82.8
11	**Imports**	1414	1414	1186	1136	1566	1950	1689	1718	1295	1094	1094	1078	1319	1460
12	Canada	266	266	146	147	102	356	155	188	213	147	147	147	146	146
13	East of Continental Divide	391	391	371	370	413	474	468	466	417	360	360	363	395	408
14	Inland Southwest	701	701	598	547	549	627	573	571	546	519	519	559	778	851
15	Pacific Southwest	55.0	55.0	71.3	71.3	502	493	493	493	118	67.9	67.9	10.00	0	55.0

Loads and Resources - Pacific Northwest Region

Operating Year: 2014 Water Year: 1937

2012 White Book Report Date: **10/19/2012** *Continued*

S104-WB-20130606-150434

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-4016	-3956	-3793	-3772	-4080	-4238	-4153	-4005	-3964	-3825	-3777	-3913	-4114	-4174
18	Contingency Reserves (Non-Spinning)	-921	-907	-847	-858	-955	-1015	-996	-948	-921	-878	-871	-886	-943	-971
19	Contingency Reserves (Spinning)	-921	-907	-847	-858	-955	-1015	-996	-948	-921	-878	-871	-886	-943	-971
20	Generation Imbalance Reserves	-411	-411	-411	-385	-385	-385	-385	-385	-385	-385	-385	-385	-400	-400
21	Load Following Reserves	-486	-486	-486	-478	-478	-478	-478	-478	-478	-478	-478	-478	-492	-492
22	Transmission Losses	-1276	-1245	-1202	-1192	-1307	-1346	-1298	-1247	-1259	-1206	-1173	-1277	-1337	-1340
23	**Total Resources**	**36819**	**35910**	**34676**	**34401**	**37705**	**38822**	**37449**	**35969**	**36328**	**34808**	**33836**	**36851**	**38567**	**38669**
24	**Total Surplus/Deficit**	**6143**	**5254**	**7036**	**6139**	**6516**	**4598**	**2893**	**3353**	**6379**	**6591**	**5544**	**10423**	**8840**	**6549**

Loads and Resources - Pacific Northwest Region

Operating Year: 2015 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20130606-150434

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	30030	30030	26935	27720	30789	33978	33859	32118	29399	27848	27848	26217	29094	31188
2	Federal Agency	154	154	144	168	195	224	224	208	208	183	183	165	170	171
3	USBR	673	673	589	529	161	264	14.8	301	409	462	462	585	627	696
4	Cooperative	2655	2655	2483	2535	2768	3204	3165	2962	2709	2685	2685	2617	2669	2818
5	Municipality	3506	3506	3320	3774	4335	4637	4622	4451	4007	3810	3810	3310	3372	3557
6	Public Utility District	5629	5629	5306	5885	6848	7590	7396	7004	6271	6030	6030	5473	5474	5764
7	Investor-Owned Utility	16509	16509	14207	13901	15549	17116	17484	16253	14861	13758	13758	13143	15840	17224
8	Marketer	442	442	422	420	425	436	445	432	426	413	413	415	434	451
9	Direct-Service Industry	463	463	463	508	508	508	508	508	508	508	508	508	508	508
10	**Exports**	2378	2378	2224	2109	1746	1745	1595	1724	1713	1595	1603	1570	2075	2094
11	Canada	1495	1495	1343	1575	1343	1343	1343	1472	1459	1343	1343	1343	1343	1376
12	East Continental Divide	19.8	19.8	17.3	17.1	19.1	20.1	20.9	20.1	19.5	18.3	18.3	17.0	18.8	20.5
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	864	864	864	517	384	381	231	231	234	234	242	210	714	698
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-921	-948	-1024	-870	-643	-938	-453	-790	-775	-855	-906	-1054	-1018	-618
17		-921	-948	-1024	-870	-643	-938	-453	-790	-775	-855	-906	-1054	-1018	-618
18	**Total Firm Loads**	**31488**	**31460**	**28135**	**28959**	**31892**	**34784**	**35001**	**33052**	**30337**	**28589**	**28545**	**26732**	**30151**	**32663**
	Non-Firm Loads														
1	**Regional Non-Firm Loads**	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
2	Federal Agency	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	USBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Cooperative	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
7	Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Direct-Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
	Resources														
1	**Hydro**	23706	22853	20897	20017	23781	24634	24128	22256	23275	21708	21385	26946	25175	24768
2	Regulated Hydro - Net	22198	21346	19319	18507	22317	23242	22792	21011	21771	19919	19580	24956	23137	23141
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16397	16396	16382	16526	16578	16648	16650	16610	15924	16532	16062	12622	14600	16467
5	Cogeneration Resources	2941	2941	2964	3045	3063	3077	3080	3074	2406	3046	2566	2711	2932	2944
6	Combustion Turbine Resources	5602	5602	5637	5784	5876	5942	5949	5904	5853	5707	5707	4623	5066	5599
7	Large Thermal Resources	7244	7244	7244	7244	7244	7244	7244	7244	7244	7244	7244	4616	5960	7244
8	Renewable Resources	126	127	127	127	127	127	127	127	126	126	126	126	79.0	126
9	Small Hydro	401	399	327	244	185	173	166	177	212	326	336	461	480	473
10	Small Thermal & Miscellaneous	84.1	84.4	83.5	83.6	83.9	85.0	85.4	85.1	83.7	83.8	83.5	85.7	83.5	82.8
11	**Imports**	1434	1434	1202	1148	1550	1960	1698	1727	1304	1102	1102	1088	1335	1462
12	Canada	266	266	146	147	102	356	155	188	213	147	147	147	146	146
13	East of Continental Divide	393	393	372	372	415	476	470	468	420	362	362	365	398	411
14	Inland Southwest	720	720	612	557	556	635	580	578	553	525	525	566	791	865
15	Pacific Southwest	55.0	55.0	71.3	71.3	477	493	493	493	118	67.9	67.9	10.00	0	40.0

Loads and Resources - Pacific Northwest Region

Operating Year: 2015 Water Year: 1937

2012 White Book Report Date: **10/19/2012** *Continued*

S104-WB-20130606-150434

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-4078	-4026	-3830	-3812	-4159	-4394	-4352	-4187	-4118	-3994	-3936	-3995	-4101	-4283
18	Contingency Reserves (Non-Spinning)	-944	-932	-856	-859	-966	-1025	-1017	-964	-930	-886	-875	-864	-911	-977
19	Contingency Reserves (Spinning)	-944	-932	-856	-859	-966	-1025	-1017	-964	-930	-886	-875	-864	-911	-977
20	Generation Imbalance Reserves	-400	-400	-411	-412	-412	-464	-464	-464	-464	-464	-454	-464	-464	-464
21	Load Following Reserves	-492	-492	-505	-507	-507	-533	-533	-533	-533	-533	-533	-533	-533	-533
22	Transmission Losses	-1298	-1271	-1201	-1174	-1308	-1347	-1321	-1262	-1261	-1225	-1200	-1271	-1283	-1331
23	**Total Resources**	**37459**	**36657**	**34651**	**33880**	**37749**	**38848**	**38124**	**36407**	**36385**	**35348**	**34613**	**36661**	**37009**	**38415**
24	**Total Surplus/Deficit**	**5971**	**5197**	**6502**	**4921**	**5857**	**4064**	**3119**	**3332**	**5994**	**6726**	**6033**	**9929**	**6858**	**5751**

Loads and Resources - Pacific Northwest Region

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	30651	30651	27464	28204	31300	34518	34419	32574	29892	28316	28316	26687	29636	31771
2	Federal Agency	156	156	146	170	197	227	225	201	209	184	184	166	171	172
3	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	Cooperative	2707	2707	2532	2580	2812	3248	3224	3003	2762	2742	2742	2678	2731	2885
5	Municipality	3536	3536	3349	3802	4366	4669	4649	4455	4033	3836	3836	3336	3400	3584
6	Public Utility District	5703	5703	5372	5952	6917	7659	7465	7044	6329	6087	6087	5537	5520	5823
7	Investor-Owned Utility	16925	16925	14544	14200	15866	17460	17842	16584	15170	14038	14038	13417	16199	17604
8	Marketer	444	444	424	421	427	438	446	433	427	414	414	416	436	454
9	Direct-Service Industry	508	508	508	553	553	553	553	553	553	553	553	553	553	553
10	**Exports**	2179	2179	2022	1923	1560	1558	1559	1687	1676	1559	1567	1406	1912	1946
11	Canada	1461	1461	1307	1539	1307	1307	1307	1436	1423	1307	1307	1307	1307	1339
12	East Continental Divide	19.8	19.8	17.3	17.1	19.1	20.1	20.9	20.1	19.5	18.3	18.3	17.0	18.8	20.5
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	698	698	698	367	234	231	231	231	234	234	242	82.6	586	586
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-966	-945	-943	-887	-344	-881	-344	-701	-854	-697	-942	-1011	-941	-671
17		-966	-945	-943	-887	-344	-881	-344	-701	-854	-697	-942	-1011	-941	-671
18	**Total Firm Loads**	**31864**	**31885**	**28544**	**29240**	**32516**	**35195**	**35634**	**33561**	**30715**	**29178**	**28940**	**27083**	**30607**	**33046**
	Non-Firm Loads														
1	**Regional Non-Firm Loads**	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
2	Federal Agency	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	USBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Cooperative	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
7	Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Direct-Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
	Resources														
1	**Hydro**	23777	22690	20556	20109	23786	24837	24065	22129	24969	21824	21491	26713	25810	24747
2	Regulated Hydro - Net	22269	21183	18978	18598	22322	23446	22730	20885	23465	20035	19687	24723	23773	23120
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16397	16396	16409	16490	16578	16648	16650	16610	15924	14565	14037	14325	15888	16467
5	Cogeneration Resources	2941	2941	2964	3045	3063	3077	3080	3074	2406	2574	2566	2711	2932	2944
6	Combustion Turbine Resources	5602	5602	5665	5748	5876	5942	5949	5904	5853	5622	5622	4573	5071	5599
7	Large Thermal Resources	7244	7244	7244	7244	7244	7244	7244	7244	7244	5834	5304	6416	7244	7244
8	Renewable Resources	126	127	127	127	127	127	127	127	126	126	126	79.0	79.0	126
9	Small Hydro	401	399	327	244	185	173	166	177	212	326	336	461	480	473
10	Small Thermal & Miscellaneous	84.1	84.4	83.5	83.6	83.9	85.0	85.4	85.1	83.7	83.8	83.5	85.7	83.5	82.8
11	**Imports**	1433	1433	1180	1123	1461	1875	1614	1642	1295	1110	1110	1084	1348	1436
12	Canada	266	266	146	147	102	356	155	188	213	147	147	147	146	146
13	East of Continental Divide	396	396	375	375	417	479	473	469	422	365	365	367	401	415
14	Inland Southwest	731	731	619	561	560	639	584	583	558	530	530	570	800	875
15	Pacific Southwest	40.0	40.0	40.0	40.0	381	402	402	402	102	68.1	68.1	0	0	0

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-4233	-4166	-3958	-3961	-4303	-4478	-4420	-4250	-4303	-3981	-3943	-4197	-4416	-4451
18	Contingency Reserves (Non-Spinning)	-952	-936	-857	-865	-971	-1035	-1023	-968	-961	-876	-871	-907	-959	-983
19	Contingency Reserves (Spinning)	-952	-936	-857	-865	-971	-1035	-1023	-968	-961	-876	-871	-907	-959	-983
20	Generation Imbalance Reserves	-478	-478	-484	-485	-485	-485	-485	-485	-488	-488	-488	-488	-522	-522
21	Load Following Reserves	-555	-555	-574	-576	-576	-576	-576	-576	-580	-580	-580	-580	-638	-638
22	Transmission Losses	-1295	-1260	-1185	-1170	-1301	-1348	-1314	-1252	-1313	-1162	-1133	-1315	-1339	-1324
23	**Total Resources**	**37374**	**36353**	**34188**	**33761**	**37521**	**38882**	**37909**	**36132**	**37886**	**33518**	**32695**	**37926**	**38630**	**38199**
24	**Total Surplus/Deficit**	**5509**	**4467**	**5630**	**4521**	**5005**	**3686**	**2270**	**2548**	**7117**	**4307**	**3721**	**10843**	**8023**	**5153**

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	31226	31226	27929	28613	31725	35000	34914	33082	30305	28720	28720	27094	30133	32316
2	Federal Agency	157	157	147	171	199	229	240	223	223	198	198	179	185	185
3	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	Cooperative	2771	2771	2590	2634	2867	3310	3283	3080	2815	2800	2800	2739	2794	2953
5	Municipality	3564	3564	3375	3831	4399	4702	4680	4508	4061	3865	3865	3365	3430	3615
6	Public Utility District	5760	5760	5414	6006	6957	7717	7520	7107	6376	6141	6141	5590	5578	5886
7	Investor-Owned Utility	17301	17301	14835	14469	16161	17786	18176	16875	15439	14286	14286	13666	16528	17973
8	Marketer	447	447	426	423	428	440	448	435	429	416	416	418	438	456
9	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553
10	**Exports**	2068	2068	1911	1811	1545	1543	1544	1672	1661	1544	1552	1406	1912	1946
11	Canada	1461	1461	1307	1539	1307	1307	1307	1436	1423	1307	1307	1307	1307	1339
12	East Continental Divide	19.8	19.8	17.3	17.1	19.1	20.1	20.9	20.1	19.5	18.3	18.3	17.0	18.8	20.5
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	586	586	586	255	219	216	216	216	219	219	226	82.6	586	586
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-851	-1096	-934	-791	-573	-853	-392	-769	-861	-644	-953	-1053	-905	-663
17		-851	-1096	-934	-791	-573	-853	-392	-769	-861	-644	-953	-1053	-905	-663
18	**Total Firm Loads**	**32443**	**32198**	**28906**	**29634**	**32696**	**35690**	**36066**	**33985**	**31105**	**29620**	**29318**	**27447**	**31140**	**33599**
	Non-Firm Loads														
1	**Regional Non-Firm Loads**	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
2	Federal Agency	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	USBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Cooperative	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
7	Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Direct-Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
	Resources														
1	**Hydro**	23589	22555	20698	20346	24630	24876	24172	22335	24562	22062	21606	27083	25600	25027
2	Regulated Hydro - Net	22081	21048	19119	18835	23165	23485	22837	21090	23058	20273	19801	25093	23562	23400
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16397	16396	16405	16465	16576	16644	16649	16609	15923	15343	14873	13138	14655	16466
5	Cogeneration Resources	2941	2941	2964	3045	3063	3077	3080	3074	2406	3046	2566	2711	2932	2944
6	Combustion Turbine Resources	5602	5602	5661	5722	5874	5938	5949	5904	5853	5707	5707	4623	5075	5599
7	Large Thermal Resources	7244	7244	7244	7244	7244	7244	7244	7244	7244	6056	6056	5132	5960	7244
8	Renewable Resources	126	127	127	127	127	127	127	127	126	126	126	126	126	126
9	Small Hydro	401	399	327	244	185	173	166	177	212	326	336	461	480	473
10	Small Thermal & Miscellaneous	84.1	84.4	83.5	83.6	83.9	85.0	84.3	84.0	82.6	82.7	82.4	84.6	82.4	81.7
11	**Imports**	1405	1405	1148	1089	1409	1825	1563	1593	1245	1059	1059	1090	1358	1448
12	Canada	266	266	146	147	102	356	155	188	213	147	147	147	146	146
13	East of Continental Divide	399	399	378	377	420	481	475	473	424	367	367	369	404	418
14	Inland Southwest	739	739	624	565	563	643	587	586	562	533	533	574	808	884
15	Pacific Southwest	0	0	0	0	325	346	346	346	46.0	12.0	12.0	0	0	0

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-4356	-4292	-4075	-4079	-4461	-4588	-4535	-4370	-4381	-4141	-4083	-4224	-4401	-4570
18	Contingency Reserves (Non-Spinning)	-956	-941	-865	-873	-988	-1041	-1030	-977	-959	-892	-878	-886	-929	-994
19	Contingency Reserves (Spinning)	-956	-941	-865	-873	-988	-1041	-1030	-977	-959	-892	-878	-886	-929	-994
20	Generation Imbalance Reserves	-522	-522	-522	-523	-523	-523	-523	-523	-525	-525	-525	-525	-567	-567
21	Load Following Reserves	-638	-638	-638	-639	-639	-639	-639	-639	-642	-642	-642	-642	-686	-686
22	Transmission Losses	-1284	-1250	-1185	-1172	-1322	-1343	-1312	-1254	-1295	-1190	-1160	-1285	-1290	-1330
23	**Total Resources**	**37035**	**36064**	**34177**	**33820**	**38154**	**38758**	**37850**	**36167**	**37350**	**34324**	**33454**	**37087**	**37213**	**38371**
24	**Total Surplus/Deficit**	**4592**	**3866**	**5257**	**4186**	**5457**	**3068**	**1780**	**2159**	**6191**	**4670**	**4101**	**9640**	**6073**	**4772**

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	31758	31758	28367	28997	32128	35441	35359	33492	30681	29094	29094	27470	30578	32801
2	Federal Agency	171	171	160	183	210	241	246	228	229	203	203	184	190	190
3	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	Cooperative	2837	2837	2650	2689	2921	3372	3345	3137	2870	2859	2859	2799	2854	3019
5	Municipality	3595	3595	3405	3856	4427	4730	4707	4536	4087	3891	3891	3390	3456	3642
6	Public Utility District	5823	5823	5472	6071	7018	7785	7586	7170	6434	6206	6206	5654	5641	5952
7	Investor-Owned Utility	17660	17660	15112	14694	16408	18056	18457	17131	15669	14504	14504	13886	16816	18292
8	Marketer	448	448	427	424	430	441	450	436	430	417	417	419	440	458
9	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553
10	**Exports**	2065	2065	1908	1809	1542	1543	1544	1672	1659	1541	1549	1404	1850	1884
11	Canada	1479	1479	1324	1556	1324	1324	1324	1453	1440	1324	1324	1324	1324	1357
12	East Continental Divide	19.8	19.8	17.3	17.1	19.1	20.1	20.9	20.1	19.5	18.3	18.3	17.0	18.8	20.5
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	567	567	567	236	199	199	199	199	199	199	207	62.8	507	507
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-859	-1123	-947	-842	-523	-901	-801	-815	-799	-799	-890	-974	-1072	-719
17		-859	-1123	-947	-842	-523	-901	-801	-815	-799	-799	-890	-974	-1072	-719
18	**Total Firm Loads**	**32965**	**32701**	**29328**	**29964**	**33147**	**36084**	**36102**	**34349**	**31541**	**29837**	**29753**	**27900**	**31356**	**33966**
	Non-Firm Loads														
1	**Regional Non-Firm Loads**	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
2	Federal Agency	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	USBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Cooperative	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
7	Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Direct-Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
	Resources														
1	**Hydro**	23737	22631	20870	20472	24627	24933	24193	22439	23085	22192	21680	27048	25848	24988
2	Regulated Hydro - Net	22229	21124	19292	18961	23162	23542	22858	21194	21581	20403	19875	25058	23810	23361
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16396	16395	16404	16488	16575	16643	16649	16609	15923	16531	16061	13221	15738	16466
5	Cogeneration Resources	2941	2941	2964	3045	3063	3077	3080	3074	2406	3046	2566	2711	2932	2944
6	Combustion Turbine Resources	5602	5602	5661	5746	5874	5938	5949	5904	5853	5707	5707	4623	5075	5599
7	Large Thermal Resources	7244	7244	7244	7244	7244	7244	7244	7244	7244	7244	7244	5216	7090	7244
8	Renewable Resources	126	127	127	127	127	127	127	127	126	126	126	126	79.0	126
9	Small Hydro	401	399	327	244	185	173	166	177	212	326	336	461	480	473
10	Small Thermal & Miscellaneous	83.0	83.3	82.4	82.5	82.8	83.9	84.3	84.0	82.6	82.7	82.4	84.6	82.4	81.7
11	**Imports**	1415	1415	1154	1095	1415	1831	1568	1598	1251	1064	1064	1096	1369	1459
12	Canada	266	266	146	147	102	356	155	188	213	147	147	147	146	146
13	East of Continental Divide	401	401	380	379	422	483	477	475	426	369	369	371	406	420
14	Inland Southwest	747	747	628	569	566	647	590	589	565	536	536	578	817	893
15	Pacific Southwest	0	0	0	0	325	346	346	346	46.0	12.0	12.0	0	0	0

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-4467	-4399	-4184	-4186	-4559	-4690	-4635	-4474	-4382	-4299	-4238	-4434	-4606	-4660
18	Contingency Reserves (Non-Spinning)	-965	-948	-872	-879	-993	-1047	-1036	-983	-942	-908	-893	-911	-970	-999
19	Contingency Reserves (Spinning)	-965	-948	-872	-879	-993	-1047	-1036	-983	-942	-908	-893	-911	-970	-999
20	Generation Imbalance Reserves	-567	-567	-567	-567	-567	-567	-567	-567	-567	-567	-567	-612	-614	-614
21	Load Following Reserves	-686	-686	-686	-687	-687	-687	-687	-687	-687	-687	-687	-719	-721	-721
22	Transmission Losses	-1285	-1249	-1187	-1174	-1319	-1342	-1309	-1254	-1244	-1230	-1198	-1280	-1329	-1326
23	**Total Resources**	**37081**	**36042**	**34244**	**33868**	**38057**	**38717**	**37775**	**36172**	**35877**	**35488**	**34566**	**36931**	**38350**	**38253**
24	**Total Surplus/Deficit**	**4116**	**3341**	**4902**	**3904**	**4910**	**2633**	**1670**	**1800**	**4282**	**5617**	**4779**	**9031**	**6994**	**4287**

Loads and Resources - Pacific Northwest Region

Operating Year: 2019 Water Year: 1937

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	32240	32240	28754	29347	32502	35851	35770	33867	31044	29447	29447	27822	31002	33269
2	Federal Agency	175	175	165	188	214	245	251	234	233	207	207	189	194	194
3	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	Cooperative	2901	2901	2709	2747	2979	3438	3410	3191	2928	2921	2921	2863	2919	3089
5	Municipality	3621	3621	3431	3883	4455	4758	4734	4561	4113	3916	3916	3415	3482	3668
6	Public Utility District	5888	5888	5528	6123	7078	7850	7649	7221	6487	6264	6264	5714	5704	6018
7	Investor-Owned Utility	17979	17979	15351	14902	16632	18300	18708	17368	15889	14707	14707	14084	17083	18592
8	Marketer	450	450	429	426	431	443	451	438	432	418	418	420	441	460
9	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553
10	**Exports**	2005	2005	1848	1780	1542	1543	1544	1672	1659	1541	1549	1404	1850	1884
11	Canada	1479	1479	1324	1556	1324	1324	1324	1453	1440	1324	1324	1324	1324	1357
12	East Continental Divide	19.8	19.8	17.3	17.1	19.1	20.1	20.9	20.1	19.5	18.3	18.3	17.0	18.8	20.5
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	507	507	507	207	199	199	199	199	199	199	207	62.8	507	507
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-916	-1145	-1020	-931	-612	-894	-723	-829	-830	-760	-978	-994	-1012	-705
17		-916	-1145	-1020	-931	-612	-894	-723	-829	-830	-760	-978	-994	-1012	-705
18	**Total Firm Loads**	**33329**	**33101**	**29583**	**30196**	**33432**	**36500**	**36592**	**34711**	**31873**	**30229**	**30019**	**28232**	**31840**	**34449**
	Non-Firm Loads														
1	**Regional Non-Firm Loads**	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
2	Federal Agency	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	USBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Cooperative	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
7	Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Direct-Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
	Resources														
1	**Hydro**	23825	22966	21083	20352	24527	25176	24392	22581	23088	22227	21736	26989	25646	24982
2	Regulated Hydro - Net	22317	21459	19505	18841	23063	23785	23056	21336	21584	20439	19931	24999	23608	23355
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16396	16395	16380	16528	16579	16647	16649	16610	15926	15238	15244	12740	14761	16465
5	Cogeneration Resources	2941	2941	2964	3045	3063	3077	3080	3074	2406	2574	2566	2711	2932	2944
6	Combustion Turbine Resources	5602	5602	5637	5786	5878	5942	5949	5904	5853	5626	5626	4739	5075	5599
7	Large Thermal Resources	7244	7244	7244	7244	7244	7244	7244	7244	7244	6504	6504	4616	6114	7244
8	Renewable Resources	126	127	127	127	127	127	127	127	126	126	126	126	79.0	126
9	Small Hydro	401	399	327	244	185	174	166	177	215	326	340	464	480	471
10	Small Thermal & Miscellaneous	83.0	83.3	82.4	82.5	82.8	83.9	84.3	84.0	82.6	82.7	82.4	84.6	82.4	81.7
11	**Imports**	1425	1425	1160	1101	1395	1791	1528	1558	1211	1058	1058	1102	1381	1471
12	Canada	266	266	146	147	102	356	155	188	213	147	147	147	146	146
13	East of Continental Divide	404	404	382	381	424	485	479	477	428	371	371	373	409	422
14	Inland Southwest	755	755	632	573	569	650	594	593	569	540	540	582	826	903
15	Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-4575	-4522	-4296	-4279	-4651	-4803	-4745	-4580	-4487	-4348	-4318	-4388	-4529	-4717
18	Contingency Reserves (Non-Spinning)	-971	-959	-879	-882	-996	-1055	-1043	-990	-946	-904	-897	-884	-940	-1005
19	Contingency Reserves (Spinning)	-971	-959	-879	-882	-996	-1055	-1043	-990	-946	-904	-897	-884	-940	-1005
20	Generation Imbalance Reserves	-622	-622	-622	-622	-622	-622	-622	-622	-628	-628	-628	-628	-627	-644
21	Load Following Reserves	-726	-726	-726	-726	-726	-726	-726	-726	-728	-728	-728	-728	-730	-739
22	Transmission Losses	-1285	-1257	-1190	-1168	-1312	-1345	-1311	-1254	-1239	-1185	-1169	-1263	-1291	-1324
23	**Total Resources**	**37071**	**36263**	**34328**	**33701**	**37851**	**38810**	**37824**	**36168**	**35738**	**34176**	**33719**	**36444**	**37259**	**38201**
24	**Total Surplus/Deficit**	**3742**	**3162**	**4731**	**3505**	**4418**	**2310**	**1228**	**1434**	**3811**	**3912**	**3667**	**8212**	**5419**	**3752**

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	32700	32700	29121	29696	32877	36268	36176	34202	31399	29794	29794	28171	31429	33726
2	Federal Agency	179	179	169	192	217	249	254	228	236	210	210	191	197	197
3	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	Cooperative	2969	2969	2772	2807	3040	3505	3469	3232	2982	2979	2979	2923	2981	3157
5	Municipality	3647	3647	3456	3906	4480	4784	4759	4562	4137	3939	3939	3438	3506	3692
6	Public Utility District	5954	5954	5579	6177	7136	7914	7712	7279	6541	6317	6317	5775	5767	6075
7	Investor-Owned Utility	18275	18275	15573	15108	16857	18555	18962	17608	16108	14915	14915	14285	17356	18896
8	Marketer	451	451	430	427	433	444	453	439	433	420	420	421	443	461
9	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553
10	**Exports**	2005	2005	1848	1780	1542	1543	1544	1672	1659	1541	1549	1404	1850	1884
11	Canada	1479	1479	1324	1556	1324	1324	1324	1453	1440	1324	1324	1324	1324	1357
12	East Continental Divide	19.8	19.8	17.3	17.1	19.1	20.1	20.9	20.1	19.5	18.3	18.3	17.0	18.8	20.5
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	507	507	507	207	199	199	199	199	199	199	207	62.8	507	507
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-991	-1105	-1015	-1003	-525	-975	-837	-773	-806	-887	-1102	-1109	-1112	-635
17		-991	-1105	-1015	-1003	-525	-975	-837	-773	-806	-887	-1102	-1109	-1112	-635
18	**Total Firm Loads**	**33715**	**33600**	**29955**	**30473**	**33893**	**36837**	**36883**	**35102**	**32251**	**30448**	**30241**	**28466**	**32167**	**34976**
	Non-Firm Loads														
1	**Regional Non-Firm Loads**	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
2	Federal Agency	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	USBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Cooperative	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
7	Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Direct-Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
	Resources														
1	**Hydro**	23915	22881	21140	20551	24181	25212	24384	22525	23550	22403	21793	27011	25869	24928
2	Regulated Hydro - Net	22406	21374	19562	19040	22717	23821	23049	21280	22046	20615	19989	25021	23831	23301
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16396	16393	16376	16523	16575	16647	16649	16609	15923	15932	14932	13112	15785	16466
5	Cogeneration Resources	2941	2941	2964	3045	3063	3077	3080	3074	2406	3046	2566	2711	2932	2944
6	Combustion Turbine Resources	5602	5602	5637	5784	5876	5942	5949	5904	5853	5626	5626	4667	5075	5599
7	Large Thermal Resources	7244	7244	7244	7244	7244	7244	7244	7244	7244	6726	6196	5062	7090	7244
8	Renewable Resources	126	127	127	127	127	127	127	127	126	126	126	126	126	126
9	Small Hydro	401	397	323	242	184	174	166	177	212	326	336	461	480	473
10	Small Thermal & Miscellaneous	83.0	83.3	82.4	82.5	82.8	83.9	84.3	84.0	82.6	82.7	82.4	84.6	82.4	81.7
11	**Imports**	1435	1435	1166	1106	1401	1796	1534	1562	1216	1063	1063	1107	1392	1484
12	Canada	266	266	146	147	102	356	155	188	213	147	147	147	146	146
13	East of Continental Divide	406	406	384	383	426	487	482	478	431	373	373	376	411	425
14	Inland Southwest	763	763	636	576	572	653	597	596	572	543	543	585	835	913
15	Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-4627	-4564	-4343	-4301	-4640	-4817	-4756	-4584	-4523	-4403	-4319	-4470	-4652	-4727
18	Contingency Reserves (Non-Spinning)	-979	-964	-885	-889	-996	-1062	-1049	-992	-957	-917	-901	-920	-982	-1011
19	Contingency Reserves (Spinning)	-979	-964	-885	-889	-996	-1062	-1049	-992	-957	-917	-901	-920	-982	-1011
20	Generation Imbalance Reserves	-644	-644	-644	-622	-622	-622	-622	-622	-628	-628	-628	-628	-627	-644
21	Load Following Reserves	-739	-739	-739	-726	-726	-726	-726	-726	-728	-728	-728	-728	-730	-739
22	Transmission Losses	-1287	-1253	-1190	-1174	-1300	-1346	-1311	-1252	-1254	-1213	-1160	-1274	-1331	-1322
23	**Total Resources**	**37118**	**36146**	**34340**	**33879**	**37517**	**38838**	**37811**	**36111**	**36166**	**34996**	**33470**	**36760**	**38394**	**38151**
24	**Total Surplus/Deficit**	**3403**	**2546**	**4371**	**3406**	**3624**	**2001**	**923**	**987**	**3862**	**4513**	**3195**	**8294**	**6228**	**3176**

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	33157	33157	29488	30049	33255	36683	36602	34668	31775	30155	30155	28542	31874	34202
2	Federal Agency	182	182	171	194	219	252	256	238	238	212	212	193	199	199
3	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	Cooperative	3034	3034	2832	2863	3096	3566	3538	3323	3046	3048	3048	2994	3055	3237
5	Municipality	3672	3672	3479	3935	4510	4815	4788	4615	4164	3966	3966	3465	3532	3719
6	Public Utility District	6020	6020	5632	6230	7196	7981	7775	7349	6597	6373	6373	5838	5832	6136
7	Investor-Owned Utility	18572	18572	15799	15320	17086	18807	19223	17847	16334	15122	15122	14491	17632	19199
8	Marketer	453	453	432	428	434	446	454	441	434	421	421	423	444	463
9	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553
10	**Exports**	2005	2005	1848	1780	1542	1543	1544	1672	1659	1541	1549	1404	1850	1884
11	Canada	1479	1479	1324	1556	1324	1324	1324	1453	1440	1324	1324	1324	1324	1357
12	East Continental Divide	19.8	19.8	17.3	17.1	19.1	20.1	20.9	20.1	19.5	18.3	18.3	17.0	18.8	20.5
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	507	507	507	207	199	199	199	199	199	199	207	62.8	507	507
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-870	-1213	-1129	-1000	-577	-957	-652	-708	-792	-782	-1143	-1002	-1125	-766
17		-870	-1213	-1129	-1000	-577	-957	-652	-708	-792	-782	-1143	-1002	-1125	-766
18	**Total Firm Loads**	**34292**	**33949**	**30207**	**30829**	**34221**	**37270**	**37494**	**35633**	**32642**	**30914**	**30561**	**28943**	**32599**	**35319**
	Non-Firm Loads														
1	**Regional Non-Firm Loads**	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
2	Federal Agency	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	USBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Cooperative	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
7	Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Direct-Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
	Resources														
1	**Hydro**	24069	23031	21377	20451	24219	25271	24249	22798	23591	22467	21671	26995	26031	24893
2	Regulated Hydro - Net	22561	21524	19799	18940	22754	23880	22914	21553	22087	20679	19867	25005	23993	23266
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16396	16395	16408	16525	16576	15977	15399	15359	14673	15200	14730	11995	13358	15216
5	Cogeneration Resources	2941	2941	2964	3045	3063	3077	3080	3074	2406	3046	2566	2711	2932	2944
6	Combustion Turbine Resources	5602	5602	5665	5784	5876	5942	5949	5904	5853	5626	5626	4667	5075	5599
7	Large Thermal Resources	7244	7244	7244	7244	7244	6574	5994	5994	5994	5994	5994	3946	4710	5994
8	Renewable Resources	126	127	127	127	127	127	127	127	126	126	126	126	79.0	126
9	Small Hydro	401	399	327	244	185	173	166	177	213	326	336	461	480	473
10	Small Thermal & Miscellaneous	83.0	83.3	82.4	82.5	82.8	83.9	84.3	84.0	82.6	82.7	82.4	84.6	82.4	81.7
11	**Imports**	1446	1446	1173	1112	1405	1802	1539	1569	1222	1069	1069	1113	1402	1495
12	Canada	266	266	146	147	102	356	155	188	213	147	147	147	146	146
13	East of Continental Divide	408	408	386	385	428	489	484	482	433	375	375	377	413	427
14	Inland Southwest	771	771	640	580	575	657	600	599	576	547	547	589	843	922
15	Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-4650	-4586	-4370	-4303	-4651	-4789	-4680	-4537	-4459	-4357	-4279	-4360	-4493	-4661
18	Contingency Reserves (Non-Spinning)	-988	-973	-894	-892	-1001	-1058	-1034	-985	-944	-905	-886	-883	-939	-999
19	Contingency Reserves (Spinning)	-988	-973	-894	-892	-1001	-1058	-1034	-985	-944	-905	-886	-883	-939	-999
20	Generation Imbalance Reserves	-644	-644	-644	-622	-622	-622	-622	-622	-628	-628	-628	-628	-627	-644
21	Load Following Reserves	-739	-739	-739	-726	-726	-726	-726	-726	-728	-728	-728	-728	-730	-739
22	Transmission Losses	-1291	-1258	-1199	-1171	-1302	-1326	-1265	-1220	-1214	-1192	-1150	-1239	-1258	-1280
23	**Total Resources**	**37260**	**36285**	**34588**	**33785**	**37550**	**38261**	**36507**	**35189**	**35027**	**34379**	**33191**	**35743**	**36298**	**36943**
24	**Total Surplus/Deficit**	**2968**	**2336**	**4367**	**2956**	**3329**	**991**	**-991**	**-466**	**2331**	**3431**	**2596**	**6800**	**3699**	**1623**

Loads and Resources - Pacific Northwest Region

Operating Year: 2022 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20130606-150434

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	33633	33633	29874	30413	33643	37102	37000	35042	32129	30490	30490	28876	32278	34646
2	Federal Agency	184	184	173	196	221	254	258	240	240	213	213	194	200	200
3	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	Cooperative	3112	3112	2907	2934	3168	3642	3590	3370	3092	3094	3094	3040	3100	3284
5	Municipality	3699	3699	3506	3960	4537	4843	4815	4642	4189	3991	3991	3489	3558	3745
6	Public Utility District	6085	6085	5684	6280	7252	8043	7835	7406	6650	6425	6425	5894	5888	6193
7	Investor-Owned Utility	18874	18874	16029	15533	17315	19056	19479	18089	16560	15331	15331	14697	17907	19510
8	Marketer	454	454	433	430	435	447	456	442	436	422	422	424	446	465
9	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553
10	**Exports**	1950	1950	1793	1725	1487	1488	1489	1617	1604	1486	1494	1349	1795	1829
11	Canada	1479	1479	1324	1556	1324	1324	1324	1453	1440	1324	1324	1324	1324	1357
12	East Continental Divide	19.8	19.8	17.3	17.1	19.1	20.1	20.9	20.1	19.5	18.3	18.3	17.0	18.8	20.5
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	452	452	452	152	144	144	144	144	144	144	152	7.81	452	452
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-944	-1188	-1075	-966	-540	-951	-755	-695	-888	-892	-1161	-1037	-1191	-789
17		-944	-1188	-1075	-966	-540	-951	-755	-695	-888	-892	-1161	-1037	-1191	-789
18	**Total Firm Loads**	**34639**	**34395**	**30592**	**31172**	**34590**	**37639**	**37734**	**35965**	**32845**	**31084**	**30823**	**29188**	**32882**	**35687**
	Non-Firm Loads														
1	**Regional Non-Firm Loads**	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
2	Federal Agency	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	USBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Cooperative	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
7	Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Direct-Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
	Resources														
1	**Hydro**	24045	23007	21337	20535	24166	25197	24368	22510	23534	22387	21777	27016	25853	24912
2	Regulated Hydro - Net	22537	21500	19758	19024	22701	23806	23033	21265	22030	20598	19972	25026	23815	23285
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	15146	15145	15112	15275	15326	15397	15399	15359	14673	13988	13460	13795	14641	15216
5	Cogeneration Resources	2941	2941	2964	3045	3063	3077	3080	3074	2406	2574	2566	2711	2932	2944
6	Combustion Turbine Resources	5602	5602	5619	5784	5876	5942	5949	5904	5853	5626	5626	4667	5075	5599
7	Large Thermal Resources	5994	5994	5994	5994	5994	5994	5994	5994	5994	5254	4724	5746	5994	5994
8	Renewable Resources	126	127	127	127	127	127	127	127	126	126	126	126	79.0	126
9	Small Hydro	401	399	327	244	185	173	166	177	213	326	336	461	480	473
10	Small Thermal & Miscellaneous	83.0	83.3	82.4	82.5	82.8	83.9	84.3	84.0	82.6	82.7	82.4	84.6	82.4	81.7
11	**Imports**	1455	1455	1178	1118	1410	1808	1545	1575	1228	1074	1074	1119	1413	1507
12	Canada	266	266	146	147	102	356	155	188	213	147	147	147	146	146
13	East of Continental Divide	410	410	388	387	430	492	486	484	435	377	377	379	415	429
14	Inland Southwest	779	779	644	584	578	661	604	603	580	550	550	593	852	932
15	Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0

Loads and Resources - Pacific Northwest Region

Operating Year: 2022 Water Year: 1937

2012 White Book Report Date: **10/19/2012** *Continued*

S104-WB-20130606-150434

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-4585	-4521	-4298	-4241	-4581	-4760	-4699	-4530	-4465	-4308	-4252	-4514	-4600	-4675
18	Contingency Reserves (Non-Spinning)	-976	-961	-880	-880	-987	-1054	-1041	-986	-949	-901	-893	-930	-975	-1006
19	Contingency Reserves (Spinning)	-976	-961	-880	-880	-987	-1054	-1041	-986	-949	-901	-893	-930	-975	-1006
20	Generation Imbalance Reserves	-644	-644	-644	-622	-622	-622	-622	-622	-628	-628	-628	-628	-627	-644
21	Load Following Reserves	-739	-739	-739	-726	-726	-726	-726	-726	-728	-728	-728	-728	-730	-739
22	Transmission Losses	-1250	-1216	-1155	-1133	-1259	-1305	-1269	-1210	-1212	-1149	-1111	-1297	-1293	-1281
23	**Total Resources**	**36062**	**35086**	**33329**	**32688**	**36322**	**37641**	**36613**	**34914**	**34970**	**33142**	**32058**	**37417**	**37307**	**36960**
24	**Total Surplus/Deficit**	**1423**	**691**	**2722**	**1516**	**1732**	**2.24**	**-1124**	**-1073**	**2071**	**2023**	**1201**	**8229**	**4426**	**1274**

Loads and Resources - Pacific Northwest Region

Operating Year: 2023 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20130606-150434

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	34076	34076	30227	30751	34006	37500	37394	35392	32472	30819	30819	29205	32677	35087
2	Federal Agency	185	185	174	197	223	256	260	243	236	214	214	196	202	202
3	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
4	Cooperative	3158	3158	2950	2979	3215	3696	3631	3400	3128	3131	3131	3076	3136	3323
5	Municipality	3725	3725	3531	3985	4564	4870	4841	4667	4217	4015	4015	3514	3583	3771
6	Public Utility District	6150	6150	5736	6335	7312	8109	7899	7457	6706	6480	6480	5949	5945	6254
7	Investor-Owned Utility	19178	19178	16259	15744	17542	19304	19738	18326	16786	15539	15539	14908	18185	19823
8	Marketer	456	456	434	431	437	449	458	444	437	424	424	425	447	466
9	Direct-Service Industry	553	553	553	553	553	553	553	553	553	553	553	553	553	553
10	**Exports**	1950	1950	1793	1725	1487	1488	1489	1617	1604	1486	1494	1349	1795	1829
11	Canada	1479	1479	1324	1556	1324	1324	1324	1453	1440	1324	1324	1324	1324	1357
12	East Continental Divide	19.8	19.8	17.3	17.1	19.1	20.1	20.9	20.1	19.5	18.3	18.3	17.0	18.8	20.5
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	452	452	452	152	144	144	144	144	144	144	152	7.81	452	452
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-998	-1370	-1134	-983	-646	-871	-639	-658	-874	-832	-1201	-1058	-1149	-769
17		-998	-1370	-1134	-983	-646	-871	-639	-658	-874	-832	-1201	-1058	-1149	-769
18	**Total Firm Loads**	**35029**	**34657**	**30886**	**31494**	**34847**	**38118**	**38244**	**36351**	**33202**	**31474**	**31112**	**29496**	**33323**	**36147**
	Non-Firm Loads														
1	**Regional Non-Firm Loads**	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
2	Federal Agency	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	USBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Cooperative	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
7	Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Direct-Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
	Resources														
1	**Hydro**	24054	23016	21361	20434	24202	25276	24255	22803	23595	22452	21656	27019	26036	24898
2	Regulated Hydro - Net	22545	21508	19782	18923	22738	23885	22919	21558	22091	20663	19851	25029	23998	23270
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	15146	15145	15158	15242	15329	15397	15399	15359	14673	14012	13542	12538	13358	15216
5	Cogeneration Resources	2941	2941	2964	3045	3063	3077	3080	3074	2406	3046	2566	2711	2932	2944
6	Combustion Turbine Resources	5602	5602	5665	5750	5878	5942	5949	5904	5853	5626	5626	4693	5075	5599
7	Large Thermal Resources	5994	5994	5994	5994	5994	5994	5994	5994	5994	4806	4806	4462	4710	5994
8	Renewable Resources	126	127	127	127	127	127	127	127	126	126	126	126	79.0	126
9	Small Hydro	401	399	327	244	185	173	166	177	213	326	336	461	480	473
10	Small Thermal & Miscellaneous	83.0	83.3	82.4	82.5	82.8	83.9	84.3	84.0	82.6	82.7	82.4	84.6	82.4	81.7
11	**Imports**	1467	1467	1184	1124	1416	1814	1550	1580	1233	1080	1080	1125	1424	1520
12	Canada	266	266	146	147	102	356	155	188	213	147	147	147	146	146
13	East of Continental Divide	412	412	390	389	432	494	488	486	437	379	379	381	417	431
14	Inland Southwest	788	788	648	588	581	665	607	606	583	554	554	597	861	942
15	Pacific Southwest	0	0	0	0	300	300	300	300	0	0	0	0	0	0

Loads and Resources - Pacific Northwest Region

Operating Year: 2023 Water Year: 1937

2012 White Book Report Date: **10/19/2012** *Continued*

S104-WB-20130606-150434

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-4598	-4534	-4313	-4242	-4594	-4777	-4703	-4558	-4479	-4317	-4238	-4418	-4516	-4687
18	Contingency Reserves (Non-Spinning)	-982	-967	-886	-883	-993	-1061	-1045	-995	-954	-904	-886	-903	-951	-1012
19	Contingency Reserves (Spinning)	-982	-967	-886	-883	-993	-1061	-1045	-995	-954	-904	-886	-903	-951	-1012
20	Generation Imbalance Reserves	-644	-644	-644	-622	-622	-622	-622	-622	-628	-628	-628	-628	-627	-644
21	Load Following Reserves	-739	-739	-739	-726	-726	-726	-726	-726	-728	-728	-728	-728	-730	-739
22	Transmission Losses	-1250	-1216	-1157	-1128	-1260	-1307	-1265	-1220	-1214	-1152	-1111	-1257	-1258	-1281
23	**Total Resources**	**36068**	**35093**	**33391**	**32558**	**36353**	**37710**	**36501**	**35184**	**35022**	**33228**	**32039**	**36264**	**36302**	**36946**
24	**Total Surplus/Deficit**	**1039**	**436**	**2490**	**1064**	**1506**	**-408**	**-1747**	**-1190**	**1767**	**1720**	**893**	**6768**	**2979**	**799**

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Exhibit 21
Table A-6: BPA Sales to Preference and Legacy Customers

Monthly 1-Hour Capacity
Operating Year 2014 to 2023
Using 1937-Water Conditions

Table A-6: BPA Sales to Preference and Legacy Customers

Operating Year 2014 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
1	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
2	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
3	**Load Following**	**4340**	**4340**	**4163**	**4441**	**4997**	**5687**	**5644**	**5323**	**4863**	**4679**	**4679**	**4304**	**4293**	**4517**
4	Cooperative	2566	2566	2404	2432	2666	3102	3065	2869	2613	2580	2580	2511	2559	2704
5	Municipality	830	830	790	814	951	1038	1019	979	878	819	819	755	771	843
6	Public Utility District	803	803	839	1041	1195	1333	1347	1279	1175	1112	1112	887	807	813
7	Federal Entities	141	141	131	154	185	214	213	196	197	169	169	151	155	157
8	**Slice Right to Power**	**2740**	**2424**	**2227**	**2141**	**2967**	**3154**	**2793**	**2401**	**2789**	**2433**	**2437**	**3570**	**3107**	**3002**
9	Municipality	914	808	742	714	989	1052	931	800	930	811	812	1190	1036	1001
10	Public Utility District	1826	1616	1484	1427	1978	2102	1861	1600	1859	1621	1624	2379	2071	2001
11	**Tier 1 Block**	**1636**	**1636**	**1716**	**1655**	**2046**	**2274**	**2310**	**2137**	**1989**	**1663**	**1663**	**1454**	**1351**	**1592**
12	Municipality	488	488	613	547	758	827	858	813	778	541	541	359	287	462
13	Public Utility District	1148	1148	1102	1108	1288	1447	1452	1324	1211	1122	1122	1094	1063	1130
14	**USBR Obligation**	**671**	**671**	**589**	**529**	**162**	**264**	**14.9**	**301**	**409**	**462**	**462**	**585**	**627**	**696**
15	USBR	671	671	589	529	162	264	14.9	301	409	462	462	585	627	696
	Total Power Sales Contracts														
16	Cooperative	2566	2566	2404	2432	2666	3102	3065	2869	2613	2580	2580	2511	2559	2704
17	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
18	Federal Entities	141	141	131	154	185	214	213	196	197	169	169	151	155	157
19	Municipality	2232	2126	2145	2074	2699	2917	2808	2593	2587	2171	2172	2305	2095	2307
20	Public Utility District	3777	3567	3426	3576	4460	4883	4661	4204	4245	3855	3858	4360	3941	3944
21	USBR	671	671	589	529	162	264	14.9	301	409	462	462	585	627	696
22	**Total Power Sales Contracts**	**9702**	**9386**	**9010**	**9081**	**10488**	**11696**	**11077**	**10479**	**10367**	**9553**	**9557**	**10227**	**9693**	**10123**

Table A-6: BPA Sales to Preference and Legacy Customers

Operating Year 2015 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
1	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
2	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
3	**Load Following**	**4390**	**4390**	**4208**	**4504**	**5062**	**5752**	**5706**	**5378**	**4919**	**4737**	**4737**	**4362**	**4356**	**4584**
4	Cooperative	2595	2595	2429	2473	2706	3142	3103	2900	2647	2617	2617	2550	2601	2751
5	Municipality	841	841	799	827	966	1054	1032	992	890	830	830	766	783	856
6	Public Utility District	811	811	847	1048	1202	1341	1355	1287	1182	1119	1119	893	813	819
7	Federal Entities	142	142	132	156	187	216	216	199	200	171	171	153	158	159
8	**Slice Right to Power**	**2888**	**2600**	**2204**	**2048**	**2951**	**3164**	**2982**	**2502**	**2798**	**2469**	**2397**	**3338**	**2687**	**2924**
9	Municipality	963	867	735	683	984	1055	994	834	933	823	799	1113	896	975
10	Public Utility District	1925	1733	1469	1365	1967	2109	1988	1668	1865	1646	1598	2225	1791	1949
11	**Tier 1 Block**	**1593**	**1593**	**1661**	**1736**	**2147**	**2387**	**2424**	**2243**	**2088**	**1746**	**1746**	**1526**	**1419**	**1671**
12	Municipality	483	483	596	572	793	866	897	850	814	567	567	378	303	485
13	Public Utility District	1110	1110	1065	1164	1354	1521	1527	1393	1274	1179	1179	1149	1116	1186
14	**USBR Obligation**	**673**	**673**	**589**	**529**	**161**	**264**	**14.8**	**301**	**409**	**462**	**462**	**585**	**627**	**696**
15	USBR	673	673	589	529	161	264	14.8	301	409	462	462	585	627	696
	Total Power Sales Contracts														
16	Cooperative	2595	2595	2429	2473	2706	3142	3103	2900	2647	2617	2617	2550	2601	2751
17	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
18	Federal Entities	142	142	132	156	187	216	216	199	200	171	171	153	158	159
19	Municipality	2288	2191	2131	2082	2743	2974	2923	2676	2637	2220	2196	2257	1982	2316
20	Public Utility District	3846	3654	3381	3577	4524	4971	4869	4348	4321	3943	3895	4267	3721	3954
21	USBR	673	673	589	529	161	264	14.8	301	409	462	462	585	627	696
22	**Total Power Sales Contracts**	**9861**	**9572**	**8979**	**9133**	**10637**	**11883**	**11442**	**10741**	**10530**	**9730**	**9658**	**10127**	**9405**	**10191**

Table A-6: BPA Sales to Preference and Legacy Customers

Operating Year 2016 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
1	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
2	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
3	**Load Following**	**4455**	**4455**	**4268**	**4531**	**5090**	**5784**	**5745**	**5362**	**4951**	**4773**	**4773**	**4401**	**4396**	**4630**
4	Cooperative	2639	2639	2470	2482	2714	3151	3127	2906	2665	2640	2640	2575	2628	2782
5	Municipality	854	854	811	837	978	1066	1040	976	898	836	836	773	791	864
6	Public Utility District	817	817	853	1054	1208	1348	1361	1286	1188	1124	1124	898	818	824
7	Federal Entities	144	144	134	158	189	219	217	193	201	172	172	154	159	160
8	**Slice Right to Power**	**2869**	**2521**	**2061**	**2036**	**2918**	**3200**	**2951**	**2457**	**3209**	**2487**	**2410**	**3549**	**3106**	**2884**
9	Municipality	956	841	687	679	973	1067	984	819	1070	829	803	1183	1036	962
10	Public Utility District	1912	1681	1374	1357	1945	2133	1967	1638	2139	1658	1606	2366	2071	1923
11	**Tier 1 Block**	**1671**	**1671**	**1743**	**1684**	**2082**	**2315**	**2350**	**2100**	**2024**	**1693**	**1693**	**1481**	**1379**	**1621**
12	Municipality	507	507	624	548	759	829	859	786	779	543	543	361	290	464
13	Public Utility District	1165	1165	1119	1136	1323	1486	1492	1314	1245	1150	1150	1120	1089	1157
14	**USBR Obligation**	**672**	**672**	**589**	**526**	**161**	**264**	**14.8**	**301**	**409**	**462**	**462**	**585**	**627**	**696**
15	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
	Total Power Sales Contracts														
16	Cooperative	2639	2639	2470	2482	2714	3151	3127	2906	2665	2640	2640	2575	2628	2782
17	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
18	Federal Entities	144	144	134	158	189	219	217	193	201	172	172	154	159	160
19	Municipality	2317	2201	2122	2063	2710	2962	2883	2581	2747	2208	2183	2318	2116	2289
20	Public Utility District	3895	3663	3346	3547	4476	4967	4820	4238	4572	3932	3881	4384	3978	3904
21	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
22	**Total Power Sales Contracts**	**9984**	**9637**	**8978**	**9093**	**10567**	**11878**	**11378**	**10536**	**10910**	**9730**	**9653**	**10332**	**9824**	**10147**

Table A-6: BPA Sales to Preference and Legacy Customers

Operating Year 2017 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
1	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
2	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
3	**Load Following**	**4499**	**4499**	**4305**	**4573**	**5134**	**5837**	**5806**	**5477**	**5004**	**4829**	**4829**	**4459**	**4458**	**4697**
4	Cooperative	2669	2669	2493	2507	2739	3183	3156	2952	2688	2668	2668	2606	2662	2821
5	Municipality	862	862	819	846	989	1078	1050	1009	907	845	845	782	800	874
6	Public Utility District	823	823	858	1060	1215	1355	1368	1300	1194	1130	1130	904	824	829
7	Federal Entities	146	146	135	160	191	220	232	215	215	186	186	167	173	173
8	**Slice Right to Power**	**2788**	**2455**	**2072**	**2067**	**3083**	**3162**	**2929**	**2461**	**3060**	**2506**	**2398**	**3336**	**2748**	**2926**
9	Municipality	930	819	691	689	1028	1054	977	821	1020	836	800	1112	916	976
10	Public Utility District	1858	1637	1381	1378	2055	2108	1953	1641	2040	1671	1598	2223	1832	1951
11	**Tier 1 Block**	**1621**	**1621**	**1690**	**1721**	**2128**	**2366**	**2403**	**2224**	**2070**	**1730**	**1730**	**1513**	**1409**	**1657**
12	Municipality	485	485	597	560	775	847	877	832	796	555	555	369	296	474
13	Public Utility District	1137	1137	1093	1161	1353	1519	1526	1392	1273	1175	1175	1144	1113	1182
14	**USBR Obligation**	**672**	**672**	**589**	**526**	**161**	**264**	**14.8**	**301**	**409**	**462**	**462**	**585**	**627**	**696**
15	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
	Total Power Sales Contracts														
16	Cooperative	2669	2669	2493	2507	2739	3183	3156	2952	2688	2668	2668	2606	2662	2821
17	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
18	Federal Entities	146	146	135	160	191	220	232	215	215	186	186	167	173	173
19	Municipality	2276	2165	2107	2095	2793	2979	2904	2662	2724	2236	2200	2264	2013	2324
20	Public Utility District	3817	3596	3332	3599	4623	4982	4846	4333	4507	3976	3904	4271	3768	3962
21	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
22	**Total Power Sales Contracts**	**9896**	**9564**	**8973**	**9203**	**10823**	**11945**	**11470**	**10779**	**10859**	**9843**	**9735**	**10209**	**9558**	**10292**

Table A-6: BPA Sales to Preference and Legacy Customers

Operating Year 2018 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
1	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
2	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
3	**Load Following**	**4564**	**4564**	**4363**	**4629**	**5190**	**5902**	**5865**	**5529**	**5054**	**4882**	**4882**	**4513**	**4512**	**4758**
4	Cooperative	2705	2705	2523	2540	2772	3224	3196	2987	2721	2705	2705	2645	2700	2865
5	Municipality	872	872	828	855	999	1088	1059	1018	915	853	853	790	809	883
6	Public Utility District	828	828	864	1063	1218	1358	1371	1303	1197	1133	1133	906	826	832
7	Federal Entities	159	159	148	172	202	233	238	220	221	191	191	172	178	178
8	**Slice Right to Power**	**2792**	**2441**	**2082**	**2080**	**3062**	**3156**	**2916**	**2468**	**2669**	**2515**	**2393**	**3569**	**3069**	**2898**
9	Municipality	931	814	694	693	1021	1052	972	823	890	839	798	1190	1023	966
10	Public Utility District	1861	1627	1388	1386	2041	2104	1943	1645	1779	1677	1595	2379	2046	1932
11	**Tier 1 Block**	**1657**	**1657**	**1727**	**1688**	**2089**	**2322**	**2359**	**2183**	**2031**	**1697**	**1697**	**1484**	**1382**	**1626**
12	Municipality	495	495	610	549	761	831	861	816	781	544	544	362	290	465
13	Public Utility District	1161	1161	1117	1139	1329	1492	1498	1367	1250	1153	1153	1122	1092	1161
14	**USBR Obligation**	**672**	**672**	**589**	**526**	**161**	**264**	**14.8**	**301**	**409**	**462**	**462**	**585**	**627**	**696**
15	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
	Total Power Sales Contracts														
16	Cooperative	2705	2705	2523	2540	2772	3224	3196	2987	2721	2705	2705	2645	2700	2865
17	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
18	Federal Entities	159	159	148	172	202	233	238	220	221	191	191	172	178	178
19	Municipality	2298	2181	2133	2097	2780	2971	2892	2657	2586	2236	2195	2342	2122	2314
20	Public Utility District	3850	3617	3369	3588	4588	4954	4813	4316	4226	3963	3881	4407	3963	3924
21	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
22	**Total Power Sales Contracts**	**10001**	**9650**	**9078**	**9239**	**10819**	**11961**	**11470**	**10798**	**10480**	**9872**	**9750**	**10467**	**9906**	**10293**

Table A-6: BPA Sales to Preference and Legacy Customers

Operating Year 2019 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
1	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
2	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
3	**Load Following**	**4621**	**4621**	**4416**	**4678**	**5241**	**5962**	**5922**	**5577**	**5103**	**4934**	**4934**	**4566**	**4567**	**4818**
4	Cooperative	2747	2747	2560	2570	2803	3262	3234	3015	2752	2740	2740	2681	2737	2908
5	Municipality	881	881	837	863	1008	1097	1068	1026	923	860	860	797	816	891
6	Public Utility District	830	830	866	1068	1224	1365	1378	1310	1203	1139	1139	911	831	837
7	Federal Entities	164	164	153	176	206	237	242	226	225	195	195	177	182	182
8	**Slice Right to Power**	**2798**	**2510**	**2121**	**2022**	**3082**	**3262**	**3010**	**2548**	**2676**	**2531**	**2414**	**3268**	**2733**	**2881**
9	Municipality	933	837	707	674	1028	1088	1004	850	892	844	805	1090	911	961
10	Public Utility District	1865	1673	1414	1348	2055	2174	2006	1698	1784	1687	1609	2178	1821	1921
11	**Tier 1 Block**	**1626**	**1626**	**1695**	**1724**	**2134**	**2372**	**2409**	**2230**	**2075**	**1733**	**1733**	**1516**	**1412**	**1660**
12	Municipality	486	486	599	561	777	848	879	834	798	556	556	370	297	475
13	Public Utility District	1140	1140	1097	1164	1357	1523	1530	1396	1277	1177	1177	1146	1115	1185
14	**USBR Obligation**	**672**	**672**	**589**	**526**	**161**	**264**	**14.8**	**301**	**409**	**462**	**462**	**585**	**627**	**696**
15	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
	Total Power Sales Contracts														
16	Cooperative	2747	2747	2560	2570	2803	3262	3234	3015	2752	2740	2740	2681	2737	2908
17	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
18	Federal Entities	164	164	153	176	206	237	242	226	225	195	195	177	182	182
19	Municipality	2299	2203	2143	2098	2813	3033	2950	2709	2613	2260	2221	2257	2024	2327
20	Public Utility District	3835	3643	3377	3580	4635	5063	4914	4404	4264	4003	3925	4235	3767	3942
21	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
22	**Total Power Sales Contracts**	**10033**	**9745**	**9138**	**9266**	**10934**	**12175**	**11672**	**10972**	**10579**	**9976**	**9859**	**10251**	**9654**	**10371**

Table A-6: BPA Sales to Preference and Legacy Customers

Operating Year 2020 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
1	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
2	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
3	**Load Following**	**4679**	**4679**	**4469**	**4734**	**5299**	**6027**	**5978**	**5574**	**5151**	**4986**	**4986**	**4620**	**4624**	**4881**
4	Cooperative	2787	2787	2596	2610	2844	3309	3273	3036	2785	2777	2777	2721	2779	2956
5	Municipality	889	889	844	869	1015	1104	1074	1008	928	865	865	803	823	897
6	Public Utility District	836	836	871	1075	1231	1372	1385	1310	1210	1146	1146	917	837	843
7	Federal Entities	168	168	157	180	209	241	246	220	228	198	198	179	185	185
8	**Slice Right to Power**	**2808**	**2476**	**2123**	**2073**	**2996**	**3272**	**3008**	**2535**	**2794**	**2576**	**2429**	**3550**	**3066**	**2868**
9	Municipality	936	825	708	691	999	1091	1003	845	931	859	810	1184	1022	956
10	Public Utility District	1871	1650	1415	1382	1997	2181	2005	1690	1862	1717	1619	2366	2044	1912
11	**Tier 1 Block**	**1660**	**1660**	**1731**	**1695**	**2097**	**2331**	**2368**	**2116**	**2039**	**1703**	**1703**	**1490**	**1387**	**1632**
12	Municipality	496	496	611	551	763	834	864	791	784	546	546	363	291	467
13	Public Utility District	1164	1164	1120	1144	1334	1497	1504	1325	1255	1157	1157	1126	1096	1165
14	**USBR Obligation**	**672**	**672**	**589**	**526**	**161**	**264**	**14.8**	**301**	**409**	**462**	**462**	**585**	**627**	**696**
15	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
	Total Power Sales Contracts														
16	Cooperative	2787	2787	2596	2610	2844	3309	3273	3036	2785	2777	2777	2721	2779	2956
17	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
18	Federal Entities	168	168	157	180	209	241	246	220	228	198	198	179	185	185
19	Municipality	2321	2211	2164	2111	2777	3029	2941	2644	2644	2270	2221	2350	2136	2321
20	Public Utility District	3871	3650	3406	3600	4562	5050	4895	4324	4327	4020	3922	4410	3976	3920
21	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
22	**Total Power Sales Contracts**	**10136**	**9804**	**9228**	**9344**	**10869**	**12210**	**11685**	**10842**	**10709**	**10043**	**9896**	**10561**	**10020**	**10393**

Table A-6: BPA Sales to Preference and Legacy Customers

Operating Year 2021 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
1	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
2	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
3	**Load Following**	**4739**	**4739**	**4523**	**4782**	**5348**	**6082**	**6039**	**5695**	**5206**	**5044**	**5044**	**4681**	**4687**	**4951**
4	Cooperative	2832	2832	2636	2640	2873	3343	3315	3100	2823	2819	2819	2766	2827	3009
5	Municipality	895	895	850	879	1027	1117	1084	1042	937	874	874	811	832	907
6	Public Utility District	842	842	877	1080	1237	1379	1392	1323	1216	1151	1151	922	842	848
7	Federal Entities	170	170	160	182	211	244	248	230	230	200	200	181	187	187
8	**Slice Right to Power**	**2847**	**2514**	**2183**	**2043**	**3000**	**3287**	**2975**	**2604**	**2805**	**2593**	**2400**	**3270**	**2832**	**2861**
9	Municipality	949	838	728	681	1000	1096	992	868	935	865	800	1090	944	954
10	Public Utility District	1898	1676	1455	1362	2000	2191	1983	1736	1870	1729	1600	2180	1887	1907
11	**Tier 1 Block**	**1632**	**1632**	**1702**	**1685**	**2085**	**2318**	**2355**	**2179**	**2028**	**1694**	**1694**	**1481**	**1379**	**1623**
12	Municipality	488	488	601	548	759	829	859	815	780	543	543	361	290	464
13	Public Utility District	1144	1144	1101	1137	1326	1489	1496	1365	1248	1151	1151	1120	1090	1158
14	**USBR Obligation**	**672**	**672**	**589**	**526**	**161**	**264**	**14.8**	**301**	**409**	**462**	**462**	**585**	**627**	**696**
15	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
	Total Power Sales Contracts														
16	Cooperative	2832	2832	2636	2640	2873	3343	3315	3100	2823	2819	2819	2766	2827	3009
17	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
18	Federal Entities	170	170	160	182	211	244	248	230	230	200	200	181	187	187
19	Municipality	2332	2221	2179	2108	2786	3041	2935	2725	2652	2282	2217	2263	2065	2325
20	Public Utility District	3884	3662	3433	3579	4563	5058	4870	4423	4333	4030	3901	4223	3819	3913
21	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
22	**Total Power Sales Contracts**	**10207**	**9874**	**9314**	**9352**	**10911**	**12267**	**11700**	**11096**	**10763**	**10109**	**9915**	**10334**	**9841**	**10446**

Table A-6: BPA Sales to Preference and Legacy Customers

Operating Year 2022 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
1	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
2	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
3	**Load Following**	**4807**	**4807**	**4587**	**4853**	**5421**	**6161**	**6091**	**5741**	**5251**	**5089**	**5089**	**4724**	**4729**	**4996**
4	Cooperative	2884	2884	2684	2696	2930	3404	3352	3131	2854	2851	2851	2797	2856	3041
5	Municipality	905	905	860	887	1035	1126	1092	1050	944	881	881	818	839	915
6	Public Utility District	847	847	882	1086	1243	1385	1398	1329	1221	1156	1156	927	846	853
7	Federal Entities	172	172	161	184	213	246	250	232	232	201	201	182	188	188
8	**Slice Right to Power**	**2842**	**2509**	**2174**	**2067**	**2989**	**3264**	**3000**	**2527**	**2788**	**2572**	**2425**	**3546**	**3061**	**2863**
9	Municipality	948	837	725	689	997	1088	1000	843	930	857	809	1182	1021	955
10	Public Utility District	1895	1672	1449	1378	1993	2175	2000	1685	1858	1714	1616	2364	2041	1909
11	**Tier 1 Block**	**1623**	**1623**	**1692**	**1686**	**2087**	**2320**	**2356**	**2181**	**2029**	**1695**	**1695**	**1482**	**1380**	**1624**
12	Municipality	485	485	598	548	760	830	860	815	780	543	543	362	290	464
13	Public Utility District	1138	1138	1095	1138	1327	1490	1497	1366	1249	1151	1151	1121	1090	1159
14	**USBR Obligation**	**672**	**672**	**589**	**526**	**161**	**264**	**14.8**	**301**	**409**	**462**	**462**	**585**	**627**	**696**
15	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
	Total Power Sales Contracts														
16	Cooperative	2884	2884	2684	2696	2930	3404	3352	3131	2854	2851	2851	2797	2856	3041
17	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
18	Federal Entities	172	172	161	184	213	246	250	232	232	201	201	182	188	188
19	Municipality	2337	2226	2182	2124	2792	3043	2952	2708	2654	2281	2232	2362	2149	2334
20	Public Utility District	3879	3657	3426	3602	4563	5051	4894	4379	4328	4022	3924	4412	3977	3920
21	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
22	**Total Power Sales Contracts**	**10260**	**9927**	**9359**	**9449**	**10975**	**12324**	**11779**	**11067**	**10793**	**10133**	**9986**	**10654**	**10114**	**10495**

Table A-6: BPA Sales to Preference and Legacy Customers

Operating Year 2023 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
1	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
2	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
3	**Load Following**	**4851**	**4851**	**4628**	**4900**	**5472**	**6220**	**6137**	**5778**	**5284**	**5128**	**5128**	**4762**	**4767**	**5038**
4	Cooperative	2914	2914	2712	2729	2964	3446	3381	3150	2878	2876	2876	2821	2881	3068
5	Municipality	912	912	867	894	1044	1135	1100	1057	951	887	887	825	846	922
6	Public Utility District	851	851	887	1091	1249	1391	1404	1335	1227	1162	1162	932	851	858
7	Federal Entities	173	173	162	186	214	248	252	235	228	202	202	184	190	190
8	**Slice Right to Power**	**2842**	**2509**	**2178**	**2038**	**2995**	**3280**	**2968**	**2597**	**2800**	**2590**	**2396**	**3267**	**2828**	**2856**
9	Municipality	948	837	726	680	999	1094	990	866	934	863	799	1089	943	952
10	Public Utility District	1894	1672	1452	1359	1996	2186	1978	1731	1866	1726	1597	2178	1885	1904
11	**Tier 1 Block**	**1624**	**1624**	**1693**	**1686**	**2087**	**2320**	**2356**	**2181**	**2029**	**1695**	**1695**	**1482**	**1380**	**1624**
12	Municipality	485	485	598	548	760	830	860	815	780	543	543	362	290	464
13	Public Utility District	1139	1139	1095	1138	1327	1490	1497	1366	1249	1151	1151	1121	1090	1159
14	**USBR Obligation**	**672**	**672**	**589**	**526**	**161**	**264**	**14.8**	**301**	**409**	**462**	**462**	**585**	**627**	**696**
15	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
	Total Power Sales Contracts														
16	Cooperative	2914	2914	2712	2729	2964	3446	3381	3150	2878	2876	2876	2821	2881	3068
17	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
18	Federal Entities	173	173	162	186	214	248	252	235	228	202	202	184	190	190
19	Municipality	2345	2234	2191	2122	2802	3058	2949	2739	2665	2294	2229	2276	2079	2339
20	Public Utility District	3884	3662	3434	3588	4572	5067	4879	4432	4342	4039	3910	4231	3826	3921
21	USBR	672	672	589	526	161	264	14.8	301	409	462	462	585	627	696
22	**Total Power Sales Contracts**	**10305**	**9972**	**9405**	**9467**	**11030**	**12399**	**11792**	**11173**	**10838**	**10190**	**9996**	**10413**	**9918**	**10529**

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Exhibit 22
Table A-7: Regional Regulated Hydro

Monthly 1-Hour Capacity
Operating Year 2014 to 2023
Using 1937-Water Conditions

Table A-7: Regional: Regulated Hydro

Operating Year 2014 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Idle Capacity Adjustment	-4476	-5805	-6463	-6048	-4229	-4005	-5743	-6932	-5173	-6435	-6486	-2291	-4849	-4461
2 Albeni Falls	39.7	42.8	45.3	39.9	30.8	24.8	24.9	25.0	26.0	22.9	29.2	35.8	43.7	46.6
3 Alder	37.1	30.5	28.0	0	0	4.45	45.0	35.0	33.3	33.0	40.0	46.8	51.4	52.0
4 Bonneville	833	888	919	859	870	886	921	912	911	942	935	941	953	890
5 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	914	676
6 Box Canyon Dam	65.2	65.2	64.8	62.8	64.0	63.6	64.5	64.9	64.8	77.9	81.9	77.3	70.3	70.6
7 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
8 Cabinet Gorge	202	169	169	187	238	238	238	238	238	238	238	238	239	238
9 Chelan Lake	57.6	57.4	57.4	56.0	16.8	16.8	56.4	55.6	55.4	55.3	54.1	54.6	56.0	56.8
10 Chief Joseph	2416	2391	2219	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
11 Cushman 1	19.1	15.9	13.3	9.89	8.38	17.2	17.2	15.8	18.4	22.5	25.0	29.5	35.5	39.1
12 Cushman 2	88.0	88.0	0	0	0	4.94	88.0	4.94	3.63	1.98	1.98	1.32	0.99	0.33
13 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
14 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
15 Faraday	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	40.8	16.9	-4.53
16 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
17 Grand Coulee	5059	5127	4518	4571	5154	5177	5340	5238	5081	4505	4451	4312	4819	5118
18 Hells Canyon	202	202	284	247	253	253	328	253	313	305	319	361	306	260
19 Hungry Horse	351	345	289	287	290	313	319	285	236	238	214	230	353	356
20 Ice Harbor	523	509	567	523	533	601	586	620	626	665	654	657	679	578
21 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
22 Kerr	179	179	179	178	177	176	173	171	172	170	166	172	178	180
23 La Grande	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
24 Libby	484	466	513	467	556	583	483	500	480	469	502	570	578	575
25 Little Falls	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	32.8	32.5	34.9	35.0
26 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
27 Long Lake	72.0	72.0	72.0	72.0	72.3	72.5	68.6	63.6	63.9	68.7	72.3	72.5	72.5	72.5
28 Lower Baker	66.9	57.0	0	0	0	0	57.1	54.5	54.6	-38.1	-9.33	63.7	70.2	71.4
29 Lower Granite	510	504	575	606	622	697	737	832	843	868	835	853	857	725
30 Lower Monumental	682	746	788	685	744	739	810	861	838	897	916	912	904	801
31 Mayfield	125	125	125	125	125	125	163	125	125	125	125	83.6	128	125
32 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
33 Merwin	147	146	129	131	130	143	128	114	114	113	124	124	131	149
34 Monroe Street	5.78	5.98	14.5	7.46	7.48	10.8	9.45	5.99	12.6	14.5	14.4	14.3	14.5	11.8
35 Mossyrock	378	378	369	365	327	317	254	159	177	212	251	0	378	378
36 Nine Mile	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	20.6	20.4	21.4	21.5
37 North Fork	32.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	50.2	41.0
38 Noxon Rapids	327	331	395	433	432	440	440	432	416	433	441	552	552	552
39 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
40 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
41 Pelton	108	108	108	108	108	108	108	108	108	108	108	108	92.8	89.9
42 Pelton Rereg	10.1	10.1	-4.45	11.1	10.1	9.83	8.70	9.83	9.46	14.9	10.5	11.0	10.7	11.2
43 Post Falls	13.8	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.2	13.6	13.3	15.2	15.5
44 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
45 River Mill	16.7	16.3	16.1	18.5	19.3	19.3	19.3	19.3	19.3	19.3	19.3	17.2	13.5	16.6
46 Rock Island	575	584	573	555	541	569	599	607	619	619	618	586	587	588
47 Rocky Reach	1301	1299	1154	1109	1180	1225	1187	1180	1180	1180	1289	1289	1289	1289
48 Ross	0	362	388	339	291	393	355	300	220	196	188	246	358	441
49 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
50 Swift 1	263	263	209	155	227	188	162	140	152	158	0.23	233	265	268
51 Swift 2	62.1	62.1	59.8	47.5	70.0	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	57.5
52 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
53 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.3	85.2
54 Upper Baker	96.2	96.2	95.7	101	95.5	93.8	89.2	80.3	61.3	12.2	0	102	103	102
55 Upper Falls	9.80	9.80	9.59	9.80	9.80	9.80	9.80	9.80	9.78	9.40	8.81	8.74	9.26	9.80
56 Wanapum	672	664	661	661	706	669	661	661	661	661	661	675	674	674
57 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
58 Yale	130	131	133	85.7	130	112	102	94.0	94.0	106	106	0	133	133
Total Regulated Hydro														
59 Federal Entities	12354	11110	10015	9973	12890	13773	12340	11245	12546	10839	10842	15185	13448	13399
60 Investor Owned Utilities	4253	4178	4114	4025	4262	4279	4409	4264	4263	4116	4004	4465	4593	4546
61 Marketer	897	872	815	799	823	846	872	872	865	843	868	859	882	892

Table A-7: Regional: Regulated Hydro

Operating Year 2014 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
62	Municipality	1711	2091	2170	2087	2006	1977	2083	1804	1727	1766	1764	1811	2310	2155
63	Public Utility District	2300	2299	2181	2153	2197	2200	2225	2217	2168	2173	2223	2307	2306	2297
64	**Total Regulated Hydro**	**21516**	**20550**	**19295**	**19036**	**22178**	**23074**	**21928**	**20402**	**21570**	**19736**	**19701**	**24627**	**23538**	**23289**

Table A-7: Regional: Regulated Hydro

Operating Year 2015 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Idle Capacity Adjustment	-3830	-5029	-6371	-6202	-4050	-3827	-4890	-6374	-5010	-6131	-6475	-1916	-5242	-4604
2 Albeni Falls	39.7	42.8	45.3	39.9	30.8	24.8	24.9	25.0	26.0	22.9	29.2	35.8	43.7	46.6
3 Alder	37.1	30.5	0	0	0	4.45	45.0	31.5	28.0	30.3	0	46.6	51.4	52.0
4 Bonneville	833	888	919	859	870	886	921	912	911	942	935	941	953	890
5 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	914	676
6 Box Canyon Dam	65.2	65.2	64.8	62.8	64.0	63.6	64.5	64.9	64.8	77.9	81.9	77.3	70.3	70.6
7 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
8 Cabinet Gorge	202	169	170	187	238	238	238	238	238	238	238	238	239	238
9 Chelan Lake	56.6	55.4	55.4	56.0	56.2	16.7	55.6	54.9	54.2	16.3	15.3	15.5	55.8	56.8
10 Chief Joseph	2416	2391	2219	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
11 Cushman 1	21.4	16.8	13.3	26.1	25.1	27.0	24.1	17.0	15.2	16.7	19.8	24.1	30.6	34.4
12 Cushman 2	88.0	88.0	0	0.99	3.30	4.94	88.0	88.0	88.0	1.98	1.98	1.32	0.99	0.33
13 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
14 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
15 Faraday	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	40.8	16.9	-4.53
16 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
17 Grand Coulee	5059	5103	4508	4571	5141	5226	5421	5267	5140	4532	4460	4312	4819	5118
18 Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19 Hungry Horse	351	345	289	287	290	313	319	285	236	238	214	230	353	356
20 Ice Harbor	523	509	567	523	533	601	586	620	626	665	654	657	679	578
21 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
22 Kerr	179	179	179	178	177	176	173	171	172	170	166	172	178	180
23 La Grande	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
24 Libby	484	466	513	467	556	583	483	500	480	469	502	570	578	575
25 Little Falls	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	32.9	32.5	34.9	35.0
26 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
27 Long Lake	72.0	72.0	72.0	72.0	72.0	72.2	68.6	63.6	63.6	68.2	72.2	72.5	72.5	72.5
28 Lower Baker	66.9	57.0	0	0	0	0	57.1	54.3	54.3	-38.1	-9.33	63.7	70.2	71.4
29 Lower Granite	510	504	575	606	622	697	737	832	843	868	835	853	857	725
30 Lower Monumental	682	746	788	685	744	739	810	861	838	897	916	912	904	801
31 Mayfield	125	125	125	125	125	125	136	125	125	125	125	83.6	125	125
32 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
33 Merwin	147	146	146	123	114	129	128	113	113	113	124	124	131	149
34 Monroe Street	5.78	5.98	11.0	4.51	5.39	10.3	9.45	5.99	12.6	14.5	14.4	14.3	14.5	11.8
35 Mossyrock	378	378	378	318	282	271	215	134	134	155	202	0	378	378
36 Nine Mile	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	20.6	20.4	21.4	21.5
37 North Fork	32.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	50.2	41.0
38 Noxon Rapids	327	331	394	432	432	440	440	432	416	433	441	552	552	552
39 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
40 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
41 Pelton	108	108	108	108	108	108	108	108	108	108	108	108	92.8	89.9
42 Pelton Rereg	10.1	10.1	-4.45	11.1	10.5	9.45	8.70	9.83	10.4	13.1	10.5	11.0	10.7	11.2
43 Post Falls	13.8	15.5	15.5	12.9	15.5	15.5	15.5	15.5	15.5	15.2	13.6	13.3	15.2	15.5
44 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
45 River Mill	16.7	16.3	16.1	18.5	19.3	19.3	19.3	19.3	19.3	19.3	19.3	17.2	13.5	16.6
46 Rock Island	587	595	582	555	541	569	597	607	619	619	619	588	589	589
47 Rocky Reach	1289	1290	1147	1109	1180	1225	1187	1180	1180	1180	1289	1289	1289	1289
48 Ross	0	362	394	337	286	385	345	269	183	187	188	246	358	441
49 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
50 Swift 1	263	263	259	0.26	209	187	162	140	140	146	0.23	233	265	268
51 Swift 2	62.1	62.1	64.7	0.10	76.1	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	57.5
52 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
53 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.3	85.2
54 Upper Baker	96.2	96.2	0	60.3	95.1	93.5	89.2	80.0	58.6	0	0	101	103	102
55 Upper Falls	9.80	9.80	9.80	9.80	9.80	9.80	9.80	9.80	9.78	9.40	8.81	8.74	9.26	9.80
56 Wanapum	672	664	661	661	706	669	662	661	661	661	661	674	672	672
57 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
58 Yale	130	131	128	0	121	115	102	94.0	94.0	98.2	98.2	0	133	133
Total Regulated Hydro														
59 Federal Entities	13000	11863	10097	9819	13058	14000	13274	11832	12768	11170	10861	15561	13055	13255
60 Investor Owned Utilities	4287	4221	4055	3734	4226	4265	4408	4262	4250	4085	3997	4464	4593	4546
61 Marketer	898	873	815	799	823	846	872	872	865	843	868	860	882	892

Table A-7: Regional: Regulated Hydro

Operating Year 2015 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
62	Municipality	1713	2092	2158	2054	1977	1931	2014	1829	1724	1690	1670	1805	2302	2150
63	Public Utility District	2299	2298	2194	2101	2233	2199	2224	2216	2164	2131	2185	2267	2305	2297
64	**Total Regulated Hydro**	**22198**	**21346**	**19319**	**18507**	**22317**	**23242**	**22792**	**21011**	**21771**	**19919**	**19580**	**24956**	**23137**	**23141**

Table A-7: Regional: Regulated Hydro

Operating Year 2016 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Idle Capacity Adjustment	-3771	-5200	-6788	-6111	-4044	-3624	-4952	-6500	-3316	-6015	-6368	-2149	-4607	-4626
2 Albeni Falls	39.7	42.8	45.3	39.9	30.8	24.8	24.9	25.0	26.0	22.9	29.2	35.8	43.7	46.6
3 Alder	37.1	30.5	0	0	0	4.45	45.0	31.5	28.0	30.3	0	46.6	51.4	52.0
4 Bonneville	833	888	919	859	870	886	921	912	911	942	935	941	953	890
5 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	914	676
6 Box Canyon Dam	65.2	65.2	64.8	62.8	64.0	63.6	64.5	64.9	64.8	77.9	81.9	77.3	70.3	70.6
7 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
8 Cabinet Gorge	202	169	169	187	238	238	238	238	238	238	238	238	239	238
9 Chelan Lake	56.6	55.4	55.4	56.0	56.2	16.7	55.6	54.9	54.2	16.3	15.3	15.5	55.8	56.8
10 Chief Joseph	2416	2391	2219	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
11 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.0	15.2	16.7	19.8	24.1	30.6	34.4
12 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	88.0	1.98	1.98	1.32	0.99	0.33
13 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
14 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
15 Faraday	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	40.8	16.9	-4.53
16 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
17 Grand Coulee	5056	5098	4508	4571	5141	5226	5421	5267	5140	4532	4460	4312	4819	5118
18 Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19 Hungry Horse	351	345	289	287	290	313	319	285	236	238	214	230	353	356
20 Ice Harbor	523	509	567	523	533	601	586	620	626	665	654	657	679	578
21 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
22 Kerr	179	179	179	178	177	176	173	171	172	170	166	172	178	180
23 La Grande	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
24 Libby	484	466	513	467	556	583	483	500	480	469	502	570	578	575
25 Little Falls	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	32.9	32.5	34.9	35.0
26 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
27 Long Lake	72.0	72.0	72.0	72.0	72.0	72.2	68.6	63.6	63.6	68.2	72.2	72.5	72.5	72.5
28 Lower Baker	66.9	57.0	0	0	0	0	57.1	54.3	54.3	-38.1	-9.33	63.7	70.2	71.4
29 Lower Granite	510	504	575	606	622	697	737	832	843	868	835	853	857	725
30 Lower Monumental	682	746	788	685	744	739	810	861	838	897	916	912	904	801
31 Mayfield	125	125	125	125	125	125	136	125	125	125	125	83.6	125	125
32 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
33 Merwin	147	146	139	123	114	129	128	113	113	113	124	124	131	149
34 Monroe Street	5.78	5.98	13.3	4.51	5.39	10.3	9.45	5.99	12.6	14.5	14.4	14.3	14.5	11.8
35 Mossyrock	378	378	369	318	282	271	215	134	134	155	202	0	378	378
36 Nine Mile	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	20.6	20.4	21.4	21.5
37 North Fork	32.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	50.2	41.0
38 Noxon Rapids	327	331	395	432	432	440	440	432	416	433	441	552	552	552
39 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
40 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
41 Pelton	108	108	108	108	108	108	108	108	108	108	108	108	92.8	89.9
42 Pelton Rereg	10.1	10.1	-4.45	11.1	10.5	9.45	8.70	9.83	10.4	13.1	10.5	11.0	10.7	11.2
43 Post Falls	13.8	15.5	15.5	12.9	15.5	15.5	15.5	15.5	15.5	15.2	13.6	13.3	15.2	15.5
44 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
45 River Mill	16.7	16.3	16.1	18.5	19.3	19.3	19.3	19.3	19.3	19.3	19.3	17.2	13.5	16.6
46 Rock Island	587	596	582	555	541	569	597	607	619	619	619	588	589	589
47 Rocky Reach	1289	1290	1147	1109	1180	1225	1187	1180	1180	1180	1289	1289	1289	1289
48 Ross	0	362	388	337	286	385	345	269	183	187	188	246	358	441
49 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
50 Swift 1	263	263	240	0.26	209	187	162	140	140	146	0.23	233	265	268
51 Swift 2	62.1	62.1	71.8	0.10	76.1	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	57.5
52 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
53 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.3	85.2
54 Upper Baker	96.2	96.2	96.0	60.3	95.1	93.5	89.2	80.0	58.6	0	0	101	103	102
55 Upper Falls	9.80	9.80	9.73	9.80	9.80	9.80	9.80	9.80	9.78	9.40	8.81	8.74	9.26	9.80
56 Wanapum	672	664	661	661	706	669	662	661	661	661	661	674	672	672
57 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
58 Yale	130	131	125	0	121	115	102	94.0	94.0	98.2	98.2	0	133	133
Total Regulated Hydro														
59 Federal Entities	13056	11685	9679	9911	13063	14203	13212	11706	14462	11286	10968	15328	13690	13234
60 Investor Owned Utilities	4287	4221	4135	3734	4226	4265	4408	4262	4250	4085	3997	4464	4593	4546
61 Marketer	898	873	815	799	823	846	872	872	865	843	868	860	882	892

Table A-7: Regional: Regulated Hydro

Operating Year 2016 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
62	Municipality	1728	2106	2156	2054	1977	1931	2014	1829	1724	1690	1670	1805	2302	2150
63	Public Utility District	2299	2297	2191	2101	2233	2199	2224	2216	2164	2131	2185	2267	2305	2297
64	**Total Regulated Hydro**	**22269**	**21183**	**18978**	**18598**	**22322**	**23446**	**22730**	**20885**	**23465**	**20035**	**19687**	**24723**	**23773**	**23120**

Table A-7: Regional: Regulated Hydro

Operating Year 2017 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Idle Capacity Adjustment	-3959	-5335	-6647	-5874	-3201	-3584	-4845	-6295	-3723	-5777	-6254	-1779	-4817	-4345
2 Albeni Falls	39.7	42.8	45.3	39.9	30.8	24.8	24.9	25.0	26.0	22.9	29.2	35.8	43.7	46.6
3 Alder	37.1	30.5	0	0	0	4.45	45.0	31.5	28.0	30.3	0	46.6	51.4	52.0
4 Bonneville	833	888	919	859	870	886	921	912	911	942	935	941	953	890
5 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	914	676
6 Box Canyon Dam	65.2	65.2	64.8	62.8	64.0	63.6	64.5	64.9	64.8	77.9	81.9	77.3	70.3	70.6
7 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
8 Cabinet Gorge	202	169	169	187	238	238	238	238	238	238	238	238	239	238
9 Chelan Lake	56.6	55.4	55.4	56.0	56.2	16.7	55.6	54.9	54.2	16.3	15.3	15.5	55.8	56.8
10 Chief Joseph	2416	2391	2219	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
11 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.0	15.2	16.7	19.8	24.1	30.6	34.4
12 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	88.0	1.98	1.98	1.32	0.99	0.33
13 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
14 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
15 Faraday	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	40.8	16.9	-4.53
16 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
17 Grand Coulee	5056	5098	4508	4571	5141	5226	5421	5267	5140	4532	4460	4312	4819	5118
18 Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19 Hungry Horse	351	345	289	287	290	313	319	285	236	238	214	230	353	356
20 Ice Harbor	523	509	567	523	533	601	586	620	626	665	654	657	679	578
21 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
22 Kerr	179	179	179	178	177	176	173	171	172	170	166	172	178	180
23 La Grande	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
24 Libby	484	466	513	467	556	583	483	500	480	469	502	570	578	575
25 Little Falls	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	32.9	32.5	34.9	35.0
26 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
27 Long Lake	72.0	72.0	72.0	72.0	72.0	72.2	68.6	63.6	63.6	68.2	72.2	72.5	72.5	72.5
28 Lower Baker	66.9	57.0	0	0	0	0	57.1	54.3	54.3	-38.1	-9.33	63.7	70.2	71.4
29 Lower Granite	510	504	575	606	622	697	737	832	843	868	835	853	857	725
30 Lower Monumental	682	746	788	685	744	739	810	861	838	897	916	912	904	801
31 Mayfield	125	125	125	125	125	125	136	125	125	125	125	83.6	125	125
32 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
33 Merwin	147	146	139	123	114	129	128	113	113	113	124	124	131	149
34 Monroe Street	5.78	5.98	13.3	4.51	5.39	10.3	9.45	5.99	12.6	14.5	14.4	14.3	14.5	11.8
35 Mossyrock	378	378	369	318	282	271	215	134	134	155	202	0	378	378
36 Nine Mile	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	20.6	20.4	21.4	21.5
37 North Fork	32.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	50.2	41.0
38 Noxon Rapids	327	331	395	432	432	440	440	432	416	433	441	552	552	552
39 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
40 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
41 Pelton	108	108	108	108	108	108	108	108	108	108	108	108	92.8	89.9
42 Pelton Rereg	10.1	10.1	-4.45	11.1	10.5	9.45	8.70	9.83	10.4	13.1	10.5	11.0	10.7	11.2
43 Post Falls	13.8	15.5	15.5	12.9	15.5	15.5	15.5	15.5	15.5	15.2	13.6	13.3	15.2	15.5
44 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
45 River Mill	16.7	16.3	16.1	18.5	19.3	19.3	19.3	19.3	19.3	19.3	19.3	17.2	13.5	16.6
46 Rock Island	587	596	582	555	541	569	597	607	619	619	619	588	589	589
47 Rocky Reach	1289	1290	1147	1109	1180	1225	1187	1180	1180	1180	1289	1289	1289	1289
48 Ross	0	362	388	337	286	385	345	269	183	187	188	246	358	441
49 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
50 Swift 1	263	263	240	0.26	209	187	162	140	140	146	0.23	233	265	268
51 Swift 2	62.1	62.1	71.8	0.10	76.1	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	57.5
52 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
53 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.3	85.2
54 Upper Baker	96.2	96.2	96.0	60.3	95.1	93.5	89.2	80.0	58.6	0	0	101	103	102
55 Upper Falls	9.80	9.80	9.73	9.80	9.80	9.80	9.80	9.80	9.78	9.40	8.81	8.74	9.26	9.80
56 Wanapum	672	664	661	661	706	669	662	661	661	661	661	674	672	672
57 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
58 Yale	130	131	125	0	121	115	102	94.0	94.0	98.2	98.2	0	133	133
Total Regulated Hydro														
59 Federal Entities	12868	11551	9821	10148	13906	14243	13319	11911	14055	11524	11082	15698	13480	13514
60 Investor Owned Utilities	4287	4221	4135	3734	4226	4265	4408	4262	4250	4085	3997	4464	4593	4546
61 Marketer	898	873	815	799	823	846	872	872	865	843	868	860	882	892

Table A-7: Regional: Regulated Hydro

Operating Year 2017 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
62	Municipality	1728	2106	2156	2054	1977	1931	2014	1829	1724	1690	1670	1805	2302	2150
63	Public Utility District	2299	2297	2191	2101	2233	2199	2224	2216	2164	2131	2185	2267	2305	2297
64	**Total Regulated Hydro**	**22081**	**21048**	**19119**	**18835**	**23165**	**23485**	**22837**	**21090**	**23058**	**20273**	**19801**	**25093**	**23562**	**23400**

Table A-7: Regional: Regulated Hydro

Operating Year 2018 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-3811	-5259	-6475	-5748	-3204	-3527	-4824	-6190	-5200	-5647	-6180	-1814	-4569	-4385
2	Albeni Falls	39.7	42.8	45.3	39.9	30.8	24.8	24.9	25.0	26.0	22.9	29.2	35.8	43.7	46.6
3	Alder	37.1	30.5	0	0	0	4.45	45.0	31.5	28.0	30.3	0	46.6	51.4	52.0
4	Bonneville	833	888	919	859	870	886	921	912	911	942	935	941	953	890
5	Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	914	676
6	Box Canyon Dam	65.2	65.2	64.8	62.8	64.0	63.6	64.5	64.9	64.8	77.9	81.9	77.3	70.3	70.6
7	Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
8	Cabinet Gorge	202	169	169	187	238	238	238	238	238	238	238	238	239	238
9	Chelan Lake	56.6	55.4	55.4	56.0	56.2	16.7	55.6	54.9	54.2	16.3	15.3	15.5	55.8	56.8
10	Chief Joseph	2416	2391	2219	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
11	Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.0	15.2	16.7	19.8	24.1	30.6	34.4
12	Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	88.0	1.98	1.98	1.32	0.99	0.33
13	Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
14	Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
15	Faraday	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	40.8	16.9	-4.53
16	Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
17	Grand Coulee	5056	5098	4508	4571	5141	5226	5421	5267	5140	4532	4460	4312	4819	5118
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	345	289	287	290	313	319	285	236	238	214	230	353	356
20	Ice Harbor	523	509	567	523	533	601	586	620	626	665	654	657	679	578
21	John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
22	Kerr	179	179	179	178	177	176	173	171	172	170	166	172	178	180
23	La Grande	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
24	Libby	484	466	513	467	556	583	483	500	480	469	502	570	578	575
25	Little Falls	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	32.9	32.5	34.9	35.0
26	Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
27	Long Lake	72.0	72.0	72.0	72.0	72.0	72.2	68.6	63.6	63.6	68.2	72.2	72.5	72.5	72.5
28	Lower Baker	66.9	57.0	0	0	0	0	57.1	54.3	54.3	-38.1	-9.33	63.7	70.2	71.4
29	Lower Granite	510	504	575	606	622	697	737	832	843	868	835	853	857	725
30	Lower Monumental	682	746	788	685	744	739	810	861	838	897	916	912	904	801
31	Mayfield	125	125	125	125	125	125	136	125	125	125	125	83.6	125	125
32	McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
33	Merwin	147	146	139	123	114	129	128	113	113	113	124	124	131	149
34	Monroe Street	5.78	5.98	13.3	4.51	5.39	10.3	9.45	5.99	12.6	14.5	14.4	14.3	14.5	11.8
35	Mossyrock	378	378	369	318	282	271	215	134	134	155	202	0	378	378
36	Nine Mile	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	20.6	20.4	21.4	21.5
37	North Fork	32.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	50.2	41.0
38	Noxon Rapids	327	331	395	432	432	440	440	432	416	433	441	552	552	552
39	Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
40	Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
41	Pelton	108	108	108	108	108	108	108	108	108	108	108	108	92.8	89.9
42	Pelton Rereg	10.1	10.1	-4.45	11.1	10.5	9.45	8.70	9.83	10.4	13.1	10.5	11.0	10.7	11.2
43	Post Falls	13.8	15.5	15.5	12.9	15.5	15.5	15.5	15.5	15.5	15.2	13.6	13.3	15.2	15.5
44	Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
45	River Mill	16.7	16.3	16.1	18.5	19.3	19.3	19.3	19.3	19.3	19.3	19.3	17.2	13.5	16.6
46	Rock Island	587	596	582	555	541	569	597	607	619	619	619	588	589	589
47	Rocky Reach	1289	1290	1147	1109	1180	1225	1187	1180	1180	1180	1289	1289	1289	1289
48	Ross	0	362	388	337	286	385	345	269	183	187	188	246	358	441
49	Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
50	Swift 1	263	263	240	0.26	209	187	162	140	140	146	0.23	233	265	268
51	Swift 2	62.1	62.1	71.8	0.10	76.1	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	57.5
52	The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
53	Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.3	85.2
54	Upper Baker	96.2	96.2	96.0	60.3	95.1	93.5	89.2	80.0	58.6	0	0	101	103	102
55	Upper Falls	9.80	9.80	9.73	9.80	9.80	9.80	9.80	9.80	9.78	9.40	8.81	8.74	9.26	9.80
56	Wanapum	672	664	661	661	706	669	662	661	661	661	661	674	672	672
57	Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
58	Yale	130	131	125	0	121	115	102	94.0	94.0	98.2	98.2	0	133	133
	Total Regulated Hydro														
59	Federal Entities	13016	11627	9993	10274	13904	14299	13339	12016	12577	11654	11157	15662	13728	13475
60	Investor Owned Utilities	4287	4221	4135	3734	4226	4265	4408	4262	4250	4085	3997	4464	4593	4546
61	Marketer	898	873	815	799	823	846	872	872	865	843	868	860	882	892

Table A-7: Regional: Regulated Hydro

Operating Year 2018 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
62	Municipality	1728	2106	2156	2054	1977	1931	2014	1829	1724	1690	1670	1805	2302	2150
63	Public Utility District	2299	2297	2191	2101	2233	2199	2224	2216	2164	2131	2185	2267	2305	2297
64	**Total Regulated Hydro**	**22229**	**21124**	**19292**	**18961**	**23162**	**23542**	**22858**	**21194**	**21581**	**20403**	**19875**	**25058**	**23810**	**23361**

Table A-7: Regional: Regulated Hydro

Operating Year 2019 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-3723	-4924	-6261	-5868	-3303	-3284	-4626	-6049	-5197	-5611	-6124	-1873	-4771	-4390
2	Albeni Falls	39.7	42.8	45.3	39.9	30.8	24.8	24.9	25.0	26.0	22.9	29.2	35.8	43.7	46.6
3	Alder	37.1	30.5	0	0	0	4.45	45.0	31.5	28.0	30.3	0	46.6	51.4	52.0
4	Bonneville	833	888	919	859	870	886	921	912	911	942	935	941	953	890
5	Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	914	676
6	Box Canyon Dam	65.2	65.2	64.8	62.8	64.0	63.6	64.5	64.9	64.8	77.9	81.9	77.3	70.3	70.6
7	Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
8	Cabinet Gorge	202	169	169	187	238	238	238	238	238	238	238	238	239	238
9	Chelan Lake	56.6	55.4	55.4	56.0	56.2	16.7	55.6	54.9	54.2	16.3	15.3	15.5	55.8	56.8
10	Chief Joseph	2416	2391	2219	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
11	Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.0	15.2	16.7	19.8	24.1	30.6	34.4
12	Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	88.0	1.98	1.98	1.32	0.99	0.33
13	Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
14	Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
15	Faraday	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	40.8	16.9	-4.53
16	Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
17	Grand Coulee	5056	5098	4508	4571	5141	5226	5421	5267	5140	4532	4460	4312	4819	5118
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	345	289	287	290	313	319	285	236	238	214	230	353	356
20	Ice Harbor	523	509	567	523	533	601	586	620	626	665	654	657	679	578
21	John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
22	Kerr	179	179	179	178	177	176	173	171	172	170	166	172	178	180
23	La Grande	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
24	Libby	484	466	513	467	556	583	483	500	480	469	502	570	578	575
25	Little Falls	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	32.9	32.5	34.9	35.0
26	Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
27	Long Lake	72.0	72.0	72.0	72.0	72.0	72.2	68.6	63.6	63.6	68.2	72.2	72.5	72.5	72.5
28	Lower Baker	66.9	57.0	0	0	0	0	57.1	54.3	54.3	-38.1	-9.33	63.7	70.2	71.4
29	Lower Granite	510	504	575	606	622	697	737	832	843	868	835	853	857	725
30	Lower Monumental	682	746	788	685	744	739	810	861	838	897	916	912	904	801
31	Mayfield	125	125	125	125	125	125	136	125	125	125	125	83.6	125	125
32	McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
33	Merwin	147	146	139	123	114	129	128	113	113	113	124	124	131	149
34	Monroe Street	5.78	5.98	13.3	4.51	5.39	10.3	9.45	5.99	12.6	14.5	14.4	14.3	14.5	11.8
35	Mossyrock	378	378	369	318	282	271	215	134	134	155	202	0	378	378
36	Nine Mile	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	20.6	20.4	21.4	21.5
37	North Fork	32.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	50.2	41.0
38	Noxon Rapids	327	331	395	432	432	440	440	432	416	433	441	552	552	552
39	Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
40	Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
41	Pelton	108	108	108	108	108	108	108	108	108	108	108	108	92.8	89.9
42	Pelton Rereg	10.1	10.1	-4.45	11.1	10.5	9.45	8.70	9.83	10.4	13.1	10.5	11.0	10.7	11.2
43	Post Falls	13.8	15.5	15.5	12.9	15.5	15.5	15.5	15.5	15.5	15.2	13.6	13.3	15.2	15.5
44	Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
45	River Mill	16.7	16.3	16.1	18.5	19.3	19.3	19.3	19.3	19.3	19.3	19.3	17.2	13.5	16.6
46	Rock Island	587	596	582	555	541	569	597	607	619	619	619	588	589	589
47	Rocky Reach	1289	1290	1147	1109	1180	1225	1187	1180	1180	1180	1289	1289	1289	1289
48	Ross	0	362	388	337	286	385	345	269	183	187	188	246	358	441
49	Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
50	Swift 1	263	263	240	0.26	209	187	162	140	140	146	0.23	233	265	268
51	Swift 2	62.1	62.1	71.8	0.10	76.1	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	57.5
52	The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
53	Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.3	85.2
54	Upper Baker	96.2	96.2	96.0	60.3	95.1	93.5	89.2	80.0	58.6	0	0	101	103	102
55	Upper Falls	9.80	9.80	9.73	9.80	9.80	9.80	9.80	9.80	9.78	9.40	8.81	8.74	9.26	9.80
56	Wanapum	672	664	661	661	706	669	662	661	661	661	661	674	672	672
57	Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
58	Yale	130	131	125	0	121	115	102	94.0	94.0	98.2	98.2	0	133	133
	Total Regulated Hydro														
59	Federal Entities	13104	11962	10206	10154	13804	14542	13538	12157	12581	11689	11212	15603	13526	13470
60	Investor Owned Utilities	4287	4221	3709	3275	3767	3807	3950	3807	3833	3665	3558	4005	4134	4101
61	Marketer	898	873	815	799	823	846	872	872	865	843	868	860	882	892

Table A-7: Regional: Regulated Hydro

Operating Year 2019 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
62	Municipality	1728	2106	2156	2054	1977	1931	2014	1829	1724	1690	1670	1805	2302	2150
63	Public Utility District	2299	2297	2618	2559	2692	2658	2683	2671	2582	2552	2623	2726	2764	2742
64	**Total Regulated Hydro**	**22317**	**21459**	**19505**	**18841**	**23063**	**23785**	**23056**	**21336**	**21584**	**20439**	**19931**	**24999**	**23608**	**23355**

Table A-7: Regional: Regulated Hydro

Operating Year 2020 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-3633	-5009	-6205	-5668	-3649	-3248	-4633	-6105	-4735	-5435	-6066	-1851	-4548	-4444
2	Albeni Falls	39.7	42.8	45.3	39.9	30.8	24.8	24.9	25.0	26.0	22.9	29.2	35.8	43.7	46.6
3	Alder	37.1	30.5	0	0	0	4.45	45.0	31.5	28.0	30.3	0	46.6	51.4	52.0
4	Bonneville	833	888	919	859	870	886	921	912	911	942	935	941	953	890
5	Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	914	676
6	Box Canyon Dam	65.2	65.2	64.8	62.8	64.0	63.6	64.5	64.9	64.8	77.9	81.9	77.3	70.3	70.6
7	Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
8	Cabinet Gorge	202	169	169	187	238	238	238	238	238	238	238	238	239	238
9	Chelan Lake	56.6	55.4	55.4	56.0	56.2	16.7	55.6	54.9	54.2	16.3	15.3	15.5	55.8	56.8
10	Chief Joseph	2416	2391	2219	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
11	Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.0	15.2	16.7	19.8	24.1	30.6	34.4
12	Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	88.0	1.98	1.98	1.32	0.99	0.33
13	Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
14	Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
15	Faraday	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	40.8	16.9	-4.53
16	Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
17	Grand Coulee	5056	5098	4508	4571	5141	5226	5421	5267	5140	4532	4460	4312	4819	5118
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	345	289	287	290	313	319	285	236	238	214	230	353	356
20	Ice Harbor	523	509	567	523	533	601	586	620	626	665	654	657	679	578
21	John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
22	Kerr	179	179	179	178	177	176	173	171	172	170	166	172	178	180
23	La Grande	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
24	Libby	484	466	513	467	556	583	483	500	480	469	502	570	578	575
25	Little Falls	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	32.9	32.5	34.9	35.0
26	Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
27	Long Lake	72.0	72.0	72.0	72.0	72.0	72.2	68.6	63.6	63.6	68.2	72.2	72.5	72.5	72.5
28	Lower Baker	66.9	57.0	0	0	0	0	57.1	54.3	54.3	-38.1	-9.33	63.7	70.2	71.4
29	Lower Granite	510	504	575	606	622	697	737	832	843	868	835	853	857	725
30	Lower Monumental	682	746	788	685	744	739	810	861	838	897	916	912	904	801
31	Mayfield	125	125	125	125	125	125	136	125	125	125	125	83.6	125	125
32	McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
33	Merwin	147	146	139	123	114	129	128	113	113	113	124	124	131	149
34	Monroe Street	5.78	5.98	13.3	4.51	5.39	10.3	9.45	5.99	12.6	14.5	14.4	14.3	14.5	11.8
35	Mossyrock	378	378	369	318	282	271	215	134	134	155	202	0	378	378
36	Nine Mile	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	20.6	20.4	21.4	21.5
37	North Fork	32.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	50.2	41.0
38	Noxon Rapids	327	331	395	432	432	440	440	432	416	433	441	552	552	552
39	Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
40	Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
41	Pelton	108	108	108	108	108	108	108	108	108	108	108	108	92.8	89.9
42	Pelton Rereg	10.1	10.1	-4.45	11.1	10.5	9.45	8.70	9.83	10.4	13.1	10.5	11.0	10.7	11.2
43	Post Falls	13.8	15.5	15.5	12.9	15.5	15.5	15.5	15.5	15.5	15.2	13.6	13.3	15.2	15.5
44	Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
45	River Mill	16.7	16.3	16.1	18.5	19.3	19.3	19.3	19.3	19.3	19.3	19.3	17.2	13.5	16.6
46	Rock Island	587	596	582	555	541	569	597	607	619	619	619	588	589	589
47	Rocky Reach	1289	1290	1147	1109	1180	1225	1187	1180	1180	1180	1289	1289	1289	1289
48	Ross	0	362	388	337	286	385	345	269	183	187	188	246	358	441
49	Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
50	Swift 1	263	263	240	0.26	209	187	162	140	140	146	0.23	233	265	268
51	Swift 2	62.1	62.1	71.8	0.10	76.1	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	57.5
52	The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
53	Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.3	85.2
54	Upper Baker	96.2	96.2	96.0	60.3	95.1	93.5	89.2	80.0	58.6	0	0	101	103	102
55	Upper Falls	9.80	9.80	9.73	9.80	9.80	9.80	9.80	9.80	9.78	9.40	8.81	8.74	9.26	9.80
56	Wanapum	672	664	661	661	706	669	662	661	661	661	661	674	672	672
57	Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
58	Yale	130	131	125	0	121	115	102	94.0	94.0	98.2	98.2	0	133	133
	Total Regulated Hydro														
59	Federal Entities	13194	11877	10263	10353	13458	14578	13530	12101	13043	11865	11270	15625	13749	13416
60	Investor Owned Utilities	3828	3762	3709	3275	3767	3807	3950	3807	3833	3665	3558	4005	4134	4101
61	Marketer	898	873	815	799	823	846	872	872	865	843	868	860	882	892

Table A-7: Regional: Regulated Hydro

Operating Year 2020 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
62	Municipality	1728	2106	2156	2054	1977	1931	2014	1829	1724	1690	1670	1805	2302	2150
63	Public Utility District	2758	2756	2618	2559	2692	2658	2683	2671	2582	2552	2623	2726	2764	2742
64	**Total Regulated Hydro**	**22406**	**21374**	**19562**	**19040**	**22717**	**23821**	**23049**	**21280**	**22046**	**20615**	**19989**	**25021**	**23831**	**23301**

Table A-7: Regional: Regulated Hydro

Operating Year 2021 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Idle Capacity Adjustment	-3479	-4859	-5967	-5769	-3612	-3189	-4768	-5831	-4694	-5371	-6188	-1867	-4386	-4479
2 Albeni Falls	39.7	42.8	45.3	39.9	30.8	24.8	24.9	25.0	26.0	22.9	29.2	35.8	43.7	46.6
3 Alder	37.1	30.5	0	0	0	4.45	45.0	31.5	28.0	30.3	0	46.6	51.4	52.0
4 Bonneville	833	888	919	859	870	886	921	912	911	942	935	941	953	890
5 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	914	676
6 Box Canyon Dam	65.2	65.2	64.8	62.8	64.0	63.6	64.5	64.9	64.8	77.9	81.9	77.3	70.3	70.6
7 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
8 Cabinet Gorge	202	169	169	187	238	238	238	238	238	238	238	238	239	238
9 Chelan Lake	56.6	55.4	55.4	56.0	56.2	16.7	55.6	54.9	54.2	16.3	15.3	15.5	55.8	56.8
10 Chief Joseph	2416	2391	2219	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
11 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.0	15.2	16.7	19.8	24.1	30.6	34.4
12 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	88.0	1.98	1.98	1.32	0.99	0.33
13 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
14 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
15 Faraday	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	40.8	16.9	-4.53
16 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
17 Grand Coulee	5056	5098	4508	4571	5141	5226	5421	5267	5140	4532	4460	4312	4819	5118
18 Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19 Hungry Horse	351	345	289	287	290	313	319	285	236	238	214	230	353	356
20 Ice Harbor	523	509	567	523	533	601	586	620	626	665	654	657	679	578
21 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
22 Kerr	179	179	179	178	177	176	173	171	172	170	166	172	178	180
23 La Grande	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
24 Libby	484	466	513	467	556	583	483	500	480	469	502	570	578	575
25 Little Falls	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	32.9	32.5	34.9	35.0
26 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
27 Long Lake	72.0	72.0	72.0	72.0	72.0	72.2	68.6	63.6	63.6	68.2	72.2	72.5	72.5	72.5
28 Lower Baker	66.9	57.0	0	0	0	0	57.1	54.3	54.3	-38.1	-9.33	63.7	70.2	71.4
29 Lower Granite	510	504	575	606	622	697	737	832	843	868	835	853	857	725
30 Lower Monumental	682	746	788	685	744	739	810	861	838	897	916	912	904	801
31 Mayfield	125	125	125	125	125	125	136	125	125	125	125	83.6	125	125
32 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
33 Merwin	147	146	139	123	114	129	128	113	113	113	124	124	131	149
34 Monroe Street	5.78	5.98	13.3	4.51	5.39	10.3	9.45	5.99	12.6	14.5	14.4	14.3	14.5	11.8
35 Mossyrock	378	378	369	318	282	271	215	134	134	155	202	0	378	378
36 Nine Mile	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	20.6	20.4	21.4	21.5
37 North Fork	32.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	50.2	41.0
38 Noxon Rapids	327	331	395	432	432	440	440	432	416	433	441	552	552	552
39 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
40 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
41 Pelton	108	108	108	108	108	108	108	108	108	108	108	108	92.8	89.9
42 Pelton Rereg	10.1	10.1	-4.45	11.1	10.5	9.45	8.70	9.83	10.4	13.1	10.5	11.0	10.7	11.2
43 Post Falls	13.8	15.5	15.5	12.9	15.5	15.5	15.5	15.5	15.5	15.2	13.6	13.3	15.2	15.5
44 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
45 River Mill	16.7	16.3	16.1	18.5	19.3	19.3	19.3	19.3	19.3	19.3	19.3	17.2	13.5	16.6
46 Rock Island	587	596	582	555	541	569	597	607	619	619	619	588	589	589
47 Rocky Reach	1289	1290	1147	1109	1180	1225	1187	1180	1180	1180	1289	1289	1289	1289
48 Ross	0	362	388	337	286	385	345	269	183	187	188	246	358	441
49 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
50 Swift 1	263	263	240	0.26	209	187	162	140	140	146	0.23	233	265	268
51 Swift 2	62.1	62.1	71.8	0.10	76.1	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	57.5
52 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
53 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.3	85.2
54 Upper Baker	96.2	96.2	96.0	60.3	95.1	93.5	89.2	80.0	58.6	0	0	101	103	102
55 Upper Falls	9.80	9.80	9.73	9.80	9.80	9.80	9.80	9.80	9.78	9.40	8.81	8.74	9.26	9.80
56 Wanapum	672	664	661	661	706	669	662	661	661	661	661	674	672	672
57 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
58 Yale	130	131	125	0	121	115	102	94.0	94.0	98.2	98.2	0	133	133
Total Regulated Hydro														
59 Federal Entities	13348	12027	10500	10253	13495	14637	13395	12375	13083	11929	11148	15609	13911	13380
60 Investor Owned Utilities	3828	3762	3709	3275	3767	3807	3950	3807	3833	3665	3558	4005	4134	4101
61 Marketer	898	873	815	799	823	846	872	872	865	843	868	860	882	892

Table A-7: Regional: Regulated Hydro

Operating Year 2021 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
62	Municipality	1728	2106	2156	2054	1977	1931	2014	1829	1724	1690	1670	1805	2302	2150
63	Public Utility District	2758	2756	2618	2559	2692	2658	2683	2671	2582	2552	2623	2726	2764	2742
64	**Total Regulated Hydro**	**22561**	**21524**	**19799**	**18940**	**22754**	**23880**	**22914**	**21553**	**22087**	**20679**	**19867**	**25005**	**23993**	**23266**

Table A-7: Regional: Regulated Hydro

Operating Year 2022 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-3503	-4883	-6008	-5684	-3665	-3263	-4649	-6119	-4751	-5452	-6083	-1846	-4564	-4460
2	Albeni Falls	39.7	42.8	45.3	39.9	30.8	24.8	24.9	25.0	26.0	22.9	29.2	35.8	43.7	46.6
3	Alder	37.1	30.5	0	0	0	4.45	45.0	31.5	28.0	30.3	0	46.6	51.4	52.0
4	Bonneville	833	888	919	859	870	886	921	912	911	942	935	941	953	890
5	Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	914	676
6	Box Canyon Dam	65.2	65.2	64.8	62.8	64.0	63.6	64.5	64.9	64.8	77.9	81.9	77.3	70.3	70.6
7	Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
8	Cabinet Gorge	202	169	169	187	238	238	238	238	238	238	238	238	239	238
9	Chelan Lake	56.6	55.4	55.4	56.0	56.2	16.7	55.6	54.9	54.2	16.3	15.3	15.5	55.8	56.8
10	Chief Joseph	2416	2391	2219	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
11	Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.0	15.2	16.7	19.8	24.1	30.6	34.4
12	Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	88.0	1.98	1.98	1.32	0.99	0.33
13	Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
14	Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
15	Faraday	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	40.8	16.9	-4.53
16	Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
17	Grand Coulee	5056	5098	4508	4571	5141	5226	5421	5267	5140	4532	4460	4312	4819	5118
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	345	289	287	290	313	319	285	236	238	214	230	353	356
20	Ice Harbor	523	509	567	523	533	601	586	620	626	665	654	657	679	578
21	John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
22	Kerr	179	179	179	178	177	176	173	171	172	170	166	172	178	180
23	La Grande	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
24	Libby	484	466	513	467	556	583	483	500	480	469	502	570	578	575
25	Little Falls	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	32.9	32.5	34.9	35.0
26	Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
27	Long Lake	72.0	72.0	72.0	72.0	72.0	72.2	68.6	63.6	63.6	68.2	72.2	72.5	72.5	72.5
28	Lower Baker	66.9	57.0	0	0	0	0	57.1	54.3	54.3	-38.1	-9.33	63.7	70.2	71.4
29	Lower Granite	510	504	575	606	622	697	737	832	843	868	835	853	857	725
30	Lower Monumental	682	746	788	685	744	739	810	861	838	897	916	912	904	801
31	Mayfield	125	125	125	125	125	125	136	125	125	125	125	83.6	125	125
32	McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
33	Merwin	147	146	139	123	114	129	128	113	113	113	124	124	131	149
34	Monroe Street	5.78	5.98	13.3	4.51	5.39	10.3	9.45	5.99	12.6	14.5	14.4	14.3	14.5	11.8
35	Mossyrock	378	378	369	318	282	271	215	134	134	155	202	0	378	378
36	Nine Mile	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	20.6	20.4	21.4	21.5
37	North Fork	32.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	50.2	41.0
38	Noxon Rapids	327	331	395	432	432	440	440	432	416	433	441	552	552	552
39	Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
40	Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
41	Pelton	108	108	108	108	108	108	108	108	108	108	108	108	92.8	89.9
42	Pelton Rereg	10.1	10.1	-4.45	11.1	10.5	9.45	8.70	9.83	10.4	13.1	10.5	11.0	10.7	11.2
43	Post Falls	13.8	15.5	15.5	12.9	15.5	15.5	15.5	15.5	15.5	15.2	13.6	13.3	15.2	15.5
44	Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
45	River Mill	16.7	16.3	16.1	18.5	19.3	19.3	19.3	19.3	19.3	19.3	19.3	17.2	13.5	16.6
46	Rock Island	587	596	582	555	541	569	597	607	619	619	619	588	589	589
47	Rocky Reach	1289	1290	1147	1109	1180	1225	1187	1180	1180	1180	1289	1289	1289	1289
48	Ross	0	362	388	337	286	385	345	269	183	187	188	246	358	441
49	Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
50	Swift 1	263	263	240	0.26	209	187	162	140	140	146	0.23	233	265	268
51	Swift 2	62.1	62.1	71.8	0.10	76.1	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	57.5
52	The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
53	Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.3	85.2
54	Upper Baker	96.2	96.2	96.0	60.3	95.1	93.5	89.2	80.0	58.6	0	0	101	103	102
55	Upper Falls	9.80	9.80	9.73	9.80	9.80	9.80	9.80	9.80	9.78	9.40	8.81	8.74	9.26	9.80
56	Wanapum	672	664	661	661	706	669	662	661	661	661	661	674	672	672
57	Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
58	Yale	130	131	125	0	121	115	102	94.0	94.0	98.2	98.2	0	133	133
	Total Regulated Hydro														
59	Federal Entities	13324	12003	10460	10337	13443	14563	13514	12087	13026	11849	11254	15631	13733	13400
60	Investor Owned Utilities	3828	3762	3709	3275	3767	3807	3950	3807	3833	3665	3558	4005	4134	4101
61	Marketer	898	873	815	799	823	846	872	872	865	843	868	860	882	892

Table A-7: Regional: Regulated Hydro

Operating Year 2022 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
62	Municipality	1728	2106	2156	2054	1977	1931	2014	1829	1724	1690	1670	1805	2302	2150
63	Public Utility District	2758	2756	2618	2559	2692	2658	2683	2671	2582	2552	2623	2726	2764	2742
64	**Total Regulated Hydro**	**22537**	**21500**	**19758**	**19024**	**22701**	**23806**	**23033**	**21265**	**22030**	**20598**	**19972**	**25026**	**23815**	**23285**

Table A-7: Regional: Regulated Hydro

Operating Year 2023 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Regulated Hydro														
1 Idle Capacity Adjustment	-3495	-4875	-5984	-5785	-3628	-3185	-4763	-5827	-4690	-5387	-6204	-1843	-4381	-4475
2 Albeni Falls	39.7	42.8	45.3	39.9	30.8	24.8	24.9	25.0	26.0	22.9	29.2	35.8	43.7	46.6
3 Alder	37.1	30.5	0	0	0	4.45	45.0	31.5	28.0	30.3	0	46.6	51.4	52.0
4 Bonneville	833	888	919	859	870	886	921	912	911	942	935	941	953	890
5 Boundary	676	676	845	845	845	676	717	721	721	845	717	1003	914	676
6 Box Canyon Dam	65.2	65.2	64.8	62.8	64.0	63.6	64.5	64.9	64.8	77.9	81.9	77.3	70.3	70.6
7 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
8 Cabinet Gorge	202	169	169	187	238	238	238	238	238	238	238	238	239	238
9 Chelan Lake	56.6	55.4	55.4	56.0	56.2	16.7	55.6	54.9	54.2	16.3	15.3	15.5	55.8	56.8
10 Chief Joseph	2416	2391	2219	2058	2285	2424	2408	2392	2306	2435	2439	2354	2392	2393
11 Cushman 1	36.4	30.5	26.9	26.1	25.1	27.0	24.1	17.0	15.2	16.7	19.8	24.1	30.6	34.4
12 Cushman 2	88.0	88.0	0.33	0.99	3.30	4.94	88.0	88.0	88.0	1.98	1.98	1.32	0.99	0.33
13 Diablo	143	172	157	158	172	172	172	172	172	86.6	172	128	172	172
14 Dworshak	448	446	381	262	291	372	434	437	438	442	446	446	448	449
15 Faraday	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	40.8	16.9	-4.53
16 Gorge	156	156	156	156	148	178	183	183	169	156	156	183	183	183
17 Grand Coulee	5056	5098	4508	4571	5141	5226	5421	5267	5140	4532	4460	4312	4819	5118
18 Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19 Hungry Horse	351	345	289	287	290	313	319	285	236	238	214	230	353	356
20 Ice Harbor	523	509	567	523	533	601	586	620	626	665	654	657	679	578
21 John Day	2241	2181	2239	2154	2198	2194	2295	2327	2223	2196	2184	2363	2378	2359
22 Kerr	179	179	179	178	177	176	173	171	172	170	166	172	178	180
23 La Grande	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
24 Libby	484	466	513	467	556	583	483	500	480	469	502	570	578	575
25 Little Falls	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	32.9	32.5	34.9	35.0
26 Little Goose	667	654	777	787	783	882	859	851	843	793	886	845	913	831
27 Long Lake	72.0	72.0	72.0	72.0	72.0	72.2	68.6	63.6	63.6	68.2	72.2	72.5	72.5	72.5
28 Lower Baker	66.9	57.0	0	0	0	0	57.1	54.3	54.3	-38.1	-9.33	63.7	70.2	71.4
29 Lower Granite	510	504	575	606	622	697	737	832	843	868	835	853	857	725
30 Lower Monumental	682	746	788	685	744	739	810	861	838	897	916	912	904	801
31 Mayfield	125	125	125	125	125	125	136	125	125	125	125	83.6	125	125
32 McNary	901	881	858	923	982	1015	1036	1039	1069	1066	1070	1079	1090	912
33 Merwin	147	146	139	123	114	129	128	113	113	113	124	124	131	149
34 Monroe Street	5.78	5.98	13.3	4.51	5.39	10.3	9.45	5.99	12.6	14.5	14.4	14.3	14.5	11.8
35 Mossyrock	378	378	369	318	282	271	215	134	134	155	202	0	378	378
36 Nine Mile	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	20.6	20.4	21.4	21.5
37 North Fork	32.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	50.2	41.0
38 Noxon Rapids	327	331	395	432	432	440	440	432	416	433	441	552	552	552
39 Oak Grove	30.7	22.2	36.5	-9.65	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42.4
40 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
41 Pelton	108	108	108	108	108	108	108	108	108	108	108	108	92.8	89.9
42 Pelton Rereg	10.1	10.1	-4.45	11.1	10.5	9.45	8.70	9.83	10.4	13.1	10.5	11.0	10.7	11.2
43 Post Falls	13.8	15.5	15.5	12.9	15.5	15.5	15.5	15.5	15.5	15.2	13.6	13.3	15.2	15.5
44 Priest Rapids	678	678	675	678	678	678	678	678	628	611	678	678	678	678
45 River Mill	16.7	16.3	16.1	18.5	19.3	19.3	19.3	19.3	19.3	19.3	19.3	17.2	13.5	16.6
46 Rock Island	587	596	582	555	541	569	597	607	619	619	619	588	589	589
47 Rocky Reach	1289	1290	1147	1109	1180	1225	1187	1180	1180	1180	1289	1289	1289	1289
48 Ross	0	362	388	337	286	385	345	269	183	187	188	246	358	441
49 Round Butte	300	222	175	175	175	211	300	300	300	242	192	183	267	300
50 Swift 1	263	263	240	0.26	209	187	162	140	140	146	0.23	233	265	268
51 Swift 2	62.1	62.1	71.8	0.10	76.1	76.1	76.1	76.1	76.1	76.1	0.10	76.1	62.6	57.5
52 The Dalles	1676	1733	1791	1798	1781	1872	1830	1858	1798	1734	1768	1880	1889	1826
53 Thompson Falls	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	83.3	79.3	85.2
54 Upper Baker	96.2	96.2	96.0	60.3	95.1	93.5	89.2	80.0	58.6	0	0	101	103	102
55 Upper Falls	9.80	9.80	9.73	9.80	9.80	9.80	9.80	9.80	9.78	9.40	8.81	8.74	9.26	9.80
56 Wanapum	672	664	661	661	706	669	662	661	661	661	661	674	672	672
57 Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
58 Yale	130	131	125	0	121	115	102	94.0	94.0	98.2	98.2	0	133	133
Total Regulated Hydro														
59 Federal Entities	13333	12011	10484	10236	13479	14642	13401	12379	13088	11914	11133	15634	13916	13385
60 Investor Owned Utilities	3828	3762	3709	3275	3767	3807	3950	3807	3833	3665	3558	4005	4134	4101
61 Marketer	898	873	815	799	823	846	872	872	865	843	868	860	882	892

Table A-7: Regional: Regulated Hydro

Operating Year 2023 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
62	Municipality	1728	2106	2156	2054	1977	1931	2014	1829	1724	1690	1670	1805	2302	2150
63	Public Utility District	2758	2756	2618	2559	2692	2658	2683	2671	2582	2552	2623	2726	2764	2742
64	**Total Regulated Hydro**	**22545**	**21508**	**19782**	**18923**	**22738**	**23885**	**22919**	**21558**	**22091**	**20663**	**19851**	**25029**	**23998**	**23270**

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Exhibit 23
Table A-8: Regional Independent Hydro

Monthly 1-Hour Capacity
Operating Year 2014 to 2023
Using 1937-Water Conditions

Table A-8: Regional: Independent Hydro

Operating Year 2014 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Independent Hydro														
1	American Falls	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9
2	Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3	Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4	Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5	Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6	Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7	Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8	Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9	Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10	Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11	Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12	Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13	Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14	Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15	Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16	CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17	Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18	Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
19	Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20	Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21	Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22	Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23	Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24	Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25	Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26	Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27	Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28	Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29	Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
30	Hellroaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19
31	Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
32	Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33	Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34	Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35	Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36	Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37	Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38	Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39	John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0
40	Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41	Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43	Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44	Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45	Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46	Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47	McNary Fishway	9.01	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
48	Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49	Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50	Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51	Movie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52	Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53	North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54	Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55	Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56	Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57	Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58	Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
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	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9

Table A-8: Regional: Independent Hydro

Operating Year 2014 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	469	464	539	416	395	276	246	219	364	606	618	760	799	517
86	Investor Owned Utilities	764	761	773	816	795	820	795	815	820	870	874	848	839	771
87	Municipality	129	137	134	149	145	167	167	177	189	179	179	235	251	191
88	Public Utility District	139	138	127	125	125	123	123	27.1	125	125	125	137	137	138
89	**Total Independent Hydro**	**1508**	**1507**	**1579**	**1511**	**1464**	**1391**	**1335**	**1245**	**1504**	**1789**	**1805**	**1990**	**2038**	**1627**

Table A-8: Regional: Independent Hydro

Operating Year 2015 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Independent Hydro														
1	American Falls	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9
2	Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3	Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4	Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5	Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6	Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7	Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8	Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9	Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10	Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11	Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12	Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13	Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14	Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15	Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16	CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17	Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18	Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
19	Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20	Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21	Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22	Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23	Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24	Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25	Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26	Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27	Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28	Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29	Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
30	Hellroaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19
31	Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
32	Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33	Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34	Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35	Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36	Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37	Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38	Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39	John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0
40	Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41	Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43	Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44	Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45	Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46	Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47	McNary Fishway	9.01	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
48	Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49	Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50	Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51	Movie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52	Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53	North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54	Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55	Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56	Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57	Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58	Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
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	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9

Table A-8: Regional: Independent Hydro

Operating Year 2015 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	469	464	539	416	395	276	246	219	364	606	618	760	799	517
86	Investor Owned Utilities	764	761	773	816	795	820	795	815	820	870	874	848	839	771
87	Municipality	129	137	134	149	145	167	167	177	189	179	179	235	251	191
88	Public Utility District	139	138	127	125	125	123	123	27.1	125	125	125	137	137	138
89	**Total Independent Hydro**	**1508**	**1507**	**1579**	**1511**	**1464**	**1391**	**1335**	**1245**	**1504**	**1789**	**1805**	**1990**	**2038**	**1627**

Table A-8: Regional: Independent Hydro

Operating Year 2016 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Independent Hydro														
1	American Falls	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9
2	Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3	Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4	Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5	Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6	Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7	Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8	Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9	Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10	Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11	Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12	Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13	Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14	Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15	Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16	CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17	Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18	Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
19	Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20	Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21	Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22	Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23	Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24	Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25	Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26	Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27	Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28	Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29	Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
30	Hellroaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19
31	Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
32	Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33	Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34	Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35	Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36	Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37	Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38	Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39	John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0
40	Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41	Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43	Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44	Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45	Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46	Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47	McNary Fishway	9.01	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
48	Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49	Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50	Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51	Movie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52	Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53	North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54	Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55	Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56	Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57	Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58	Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
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	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9

Table A-8: Regional: Independent Hydro

Operating Year 2016 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	469	464	539	416	395	276	246	219	364	606	618	760	799	517
86	Investor Owned Utilities	764	761	773	816	795	820	795	815	820	870	874	848	839	771
87	Municipality	129	137	134	149	145	167	167	177	189	179	179	235	251	191
88	Public Utility District	139	138	127	125	125	123	123	27.1	125	125	125	137	137	138
89	**Total Independent Hydro**	**1508**	**1507**	**1579**	**1511**	**1464**	**1391**	**1335**	**1245**	**1504**	**1789**	**1805**	**1990**	**2038**	**1627**

Table A-8: Regional: Independent Hydro

Operating Year 2017 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Independent Hydro														
1	American Falls	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9
2	Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3	Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4	Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5	Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6	Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7	Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8	Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9	Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10	Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11	Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12	Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13	Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14	Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15	Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16	CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17	Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18	Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
19	Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20	Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21	Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22	Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23	Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24	Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25	Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26	Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27	Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28	Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29	Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
30	Hellroaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19
31	Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
32	Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33	Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34	Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35	Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36	Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37	Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38	Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39	John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0
40	Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41	Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43	Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44	Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45	Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46	Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47	McNary Fishway	9.01	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
48	Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49	Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50	Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51	Movie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52	Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53	North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54	Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55	Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56	Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57	Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58	Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
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	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9

Table A-8: Regional: Independent Hydro

Operating Year 2017 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	469	464	539	416	395	276	246	219	364	606	618	760	799	517
86	Investor Owned Utilities	764	761	773	816	795	820	795	815	820	870	874	848	839	771
87	Municipality	129	137	134	149	145	167	167	177	189	179	179	235	251	191
88	Public Utility District	139	138	127	125	125	123	123	27.1	125	125	125	137	137	138
89	**Total Independent Hydro**	**1508**	**1507**	**1579**	**1511**	**1464**	**1391**	**1335**	**1245**	**1504**	**1789**	**1805**	**1990**	**2038**	**1627**

Table A-8: Regional: Independent Hydro

Operating Year 2018 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Independent Hydro														
1	American Falls	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9
2	Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3	Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4	Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5	Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6	Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7	Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8	Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9	Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10	Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11	Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12	Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13	Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14	Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15	Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16	CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17	Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18	Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
19	Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20	Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21	Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22	Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23	Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24	Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25	Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26	Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27	Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28	Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29	Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
30	Hellroaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19
31	Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
32	Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33	Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34	Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35	Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36	Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37	Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38	Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39	John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0
40	Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41	Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43	Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44	Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45	Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46	Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47	McNary Fishway	9.01	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
48	Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49	Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50	Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51	Movie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52	Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53	North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54	Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55	Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56	Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57	Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58	Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
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	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9

Table A-8: Regional: Independent Hydro

Operating Year 2018 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	469	464	539	416	395	276	246	219	364	606	618	760	799	517
86	Investor Owned Utilities	764	761	773	816	795	820	795	815	820	870	874	848	839	771
87	Municipality	129	137	134	149	145	167	167	177	189	179	179	235	251	191
88	Public Utility District	139	138	127	125	125	123	123	27.1	125	125	125	137	137	138
89	**Total Independent Hydro**	**1508**	**1507**	**1579**	**1511**	**1464**	**1391**	**1335**	**1245**	**1504**	**1789**	**1805**	**1990**	**2038**	**1627**

Table A-8: Regional: Independent Hydro

Operating Year 2019 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Independent Hydro														
1	American Falls	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9
2	Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3	Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4	Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5	Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6	Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7	Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8	Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9	Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10	Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11	Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12	Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13	Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14	Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15	Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16	CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17	Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18	Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
19	Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20	Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21	Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22	Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23	Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24	Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25	Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26	Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27	Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28	Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29	Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
30	Hellroaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19
31	Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
32	Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33	Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34	Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35	Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36	Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37	Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38	Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39	John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0
40	Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41	Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43	Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44	Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45	Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46	Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47	McNary Fishway	9.01	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
48	Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49	Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50	Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51	Movie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52	Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53	North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54	Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55	Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56	Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57	Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58	Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
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	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9

Table A-8: Regional: Independent Hydro

Operating Year 2019 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	469	464	539	416	395	276	246	219	364	606	618	760	799	517
86	Investor Owned Utilities	764	761	773	816	795	820	795	815	820	870	874	848	839	771
87	Municipality	129	137	134	149	145	167	167	177	189	179	179	235	251	191
88	Public Utility District	139	138	127	125	125	123	123	27.1	125	125	125	137	137	138
89	**Total Independent Hydro**	**1508**	**1507**	**1579**	**1511**	**1464**	**1391**	**1335**	**1245**	**1504**	**1789**	**1805**	**1990**	**2038**	**1627**

Table A-8: Regional: Independent Hydro

Operating Year 2020 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Independent Hydro														
1	American Falls	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9
2	Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3	Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4	Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5	Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6	Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7	Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8	Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9	Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10	Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11	Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12	Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13	Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14	Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15	Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16	CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17	Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18	Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
19	Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20	Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21	Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22	Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23	Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24	Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25	Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26	Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27	Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28	Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29	Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
30	Hellroaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19
31	Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
32	Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33	Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34	Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35	Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36	Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37	Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38	Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39	John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0
40	Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41	Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43	Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44	Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45	Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46	Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47	McNary Fishway	9.01	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
48	Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49	Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50	Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51	Movie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52	Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53	North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54	Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55	Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56	Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57	Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58	Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
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	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9

Table A-8: Regional: Independent Hydro

Operating Year 2020 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	469	464	539	416	395	276	246	219	364	606	618	760	799	517
86	Investor Owned Utilities	764	761	773	816	795	820	795	815	820	870	874	848	839	771
87	Municipality	129	137	134	149	145	167	167	177	189	179	179	235	251	191
88	Public Utility District	139	138	127	125	125	123	123	27.1	125	125	125	137	137	138
89	**Total Independent Hydro**	**1508**	**1507**	**1579**	**1511**	**1464**	**1391**	**1335**	**1245**	**1504**	**1789**	**1805**	**1990**	**2038**	**1627**

Table A-8: Regional: Independent Hydro

Operating Year 2021 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Independent Hydro														
1	American Falls	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9
2	Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3	Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4	Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5	Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6	Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7	Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8	Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9	Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10	Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11	Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12	Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13	Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14	Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15	Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16	CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17	Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18	Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
19	Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20	Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21	Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22	Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23	Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24	Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25	Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26	Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27	Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28	Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29	Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
30	Hellroaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19
31	Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
32	Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33	Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34	Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35	Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36	Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37	Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38	Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39	John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0
40	Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41	Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43	Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44	Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45	Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46	Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47	McNary Fishway	9.01	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
48	Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49	Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50	Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51	Movie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52	Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53	North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54	Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55	Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56	Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57	Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58	Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
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	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9

Table A-8: Regional: Independent Hydro

Operating Year 2021 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	469	464	539	416	395	276	246	219	364	606	618	760	799	517
86	Investor Owned Utilities	764	761	773	816	795	820	795	815	820	870	874	848	839	771
87	Municipality	129	137	134	149	145	167	167	177	189	179	179	235	251	191
88	Public Utility District	139	138	127	125	125	123	123	27.1	125	125	125	137	137	138
89	**Total Independent Hydro**	**1508**	**1507**	**1579**	**1511**	**1464**	**1391**	**1335**	**1245**	**1504**	**1789**	**1805**	**1990**	**2038**	**1627**

Table A-8: Regional: Independent Hydro

Operating Year 2022 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Independent Hydro														
1	American Falls	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9
2	Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3	Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4	Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5	Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6	Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7	Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8	Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9	Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10	Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11	Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12	Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13	Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14	Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15	Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16	CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17	Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18	Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
19	Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20	Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21	Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22	Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23	Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24	Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25	Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26	Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27	Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28	Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29	Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
30	Hellroaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19
31	Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
32	Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33	Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34	Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35	Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36	Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37	Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38	Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39	John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0
40	Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41	Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43	Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44	Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45	Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46	Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47	McNary Fishway	9.01	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
48	Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49	Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50	Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51	Movie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52	Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53	North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54	Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55	Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56	Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57	Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58	Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
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	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9

Table A-8: Regional: Independent Hydro

Operating Year 2022 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	469	464	539	403	378	254	223	199	349	596	609	753	790	504
86	Investor Owned Utilities	764	761	773	816	795	820	795	815	820	870	874	848	839	771
87	Municipality	129	137	134	162	161	188	189	198	203	189	189	242	261	204
88	Public Utility District	139	138	127	125	125	123	123	27.1	125	125	125	137	137	138
89	**Total Independent Hydro**	**1508**	**1507**	**1579**	**1511**	**1464**	**1391**	**1335**	**1245**	**1504**	**1789**	**1805**	**1990**	**2038**	**1627**

Table A-8: Regional: Independent Hydro

Operating Year 2023 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Independent Hydro														
1	American Falls	47.7	47.7	49.5	44.9	39.1	38.5	36.3	40.5	37.7	48.3	48.3	44.2	44.7	46.9
2	Anderson Ranch	28.8	28.8	7.33	2.92	4.33	4.27	4.31	4.76	4.31	9.30	8.93	11.8	37.0	32.0
3	Arrowrock Hydro	13.0	12.0	3.80	2.40	2.30	2.30	2.30	2.30	2.30	2.40	2.40	13.0	12.0	12.0
4	Ashton	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
5	Bend Power Dam	0.56	0.56	0.52	0.34	0.24	0.30	0.32	0.34	0.40	0.48	0.48	0.63	0.63	0.63
6	Big Cliff	4.21	4.77	7.20	5.84	10.4	4.71	3.20	4.77	4.02	6.30	8.80	15.8	15.8	5.17
7	Big Fork	2.92	2.92	2.28	1.61	2.23	2.44	2.40	2.41	2.74	3.22	3.22	3.42	3.45	3.39
8	Black Canyon	8.53	8.53	8.53	5.41	2.56	2.27	3.27	3.53	3.95	8.48	8.53	8.53	8.53	8.53
9	Bliss	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
10	Boise River Diversion	1.83	1.83	2.47	0.73	0	0	0	0	0	0.87	0.87	2.50	2.50	2.50
11	Calispel Creek	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.31	0.40	0.40	0.40	0.40	0.40	0.30
12	Carmen-Smith	79.9	79.9	91.2	108	108	108	108	108	108	108	108	108	108	108
13	Cascade	11.2	11.2	10.4	8.78	8.80	8.70	8.63	8.57	8.40	7.89	7.92	7.66	7.55	8.94
14	Cedar Falls	1.79	1.10	2.24	1.96	1.22	8.51	9.25	10.2	15.1	9.81	12.2	14.5	27.9	2.47
15	Chandler	1.35	1.39	1.54	4.77	6.03	1.39	4.50	6.50	8.53	4.54	4.54	4.50	4.23	4.23
16	CJ Strike	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
17	Clear Lake	2.25	2.25	2.09	1.62	1.71	1.67	1.71	1.67	1.66	1.54	1.56	1.54	1.52	1.78
18	Cougar	17.6	17.0	15.9	26.7	21.5	9.00	5.94	7.82	8.73	28.0	26.0	22.5	19.4	11.0
19	Cowlitz Falls	11.9	8.50	7.90	6.20	3.10	23.1	10.00	13.7	33.3	46.1	50.3	63.6	66.3	28.9
20	Detroit	7.10	9.14	86.3	87.6	90.2	98.0	103	95.0	96.1	93.8	90.3	93.8	97.6	10.9
21	Dexter	4.98	7.00	5.53	9.60	15.2	3.99	2.92	5.00	4.70	8.61	11.3	16.7	15.0	6.00
22	Eagle Point	0	0	0	0	0.39	0.70	0.68	0.91	0.56	0.69	0.69	0.47	0	0
23	Electron	8.78	8.05	8.12	7.11	4.64	14.0	6.66	9.68	14.8	15.6	17.0	17.1	15.0	13.5
24	Felt Hydro Project	4.40	4.40	4.57	4.33	4.44	3.85	3.31	3.53	4.20	4.18	4.18	5.92	7.26	5.61
25	Foster	6.00	5.93	11.2	9.91	5.88	6.26	3.19	9.00	18.3	12.6	12.2	14.1	20.7	4.20
26	Gem State Hydro	0	0	15.0	10.1	10.7	10.5	11.6	13.0	14.0	15.2	15.2	0	0	0
27	Grace	33.0	33.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	33.0	33.0	33.0	33.0	33.0
28	Green Peter	9.32	6.35	42.5	8.71	11.0	17.0	8.00	0	92.0	90.7	92.0	91.8	91.9	10.6
29	Green Springs	7.92	7.93	6.90	3.34	4.45	6.33	6.68	6.52	7.22	6.20	7.46	8.77	8.98	8.00
30	Hellroaring	0.21	0.21	0.19	0.17	0.17	0.14	0.15	0.22	0.32	0.38	0.38	0.26	0.22	0.19
31	Henry M Jackson	112	112	112	112	112	112	112	15.6	112	112	112	112	112	112
32	Hills Creek	32.7	31.1	33.1	34.0	33.7	5.00	3.96	5.35	5.22	30.0	34.0	33.9	29.4	32.1
33	Hood Street	0.10	0.10	0.30	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
34	Idaho Falls - City Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
35	Idaho Falls - Lower Plant #1	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
36	Idaho Falls - Lower Plant #2	1.08	1.08	1.18	1.47	1.83	2.39	2.47	2.30	1.61	1.10	1.10	0.74	1.09	1.39
37	Idaho Falls - Upper Plant	2.89	2.89	3.14	3.91	4.88	6.39	6.59	6.13	4.28	2.92	2.92	1.99	2.92	3.70
38	Island Park	3.19	3.19	1.80	1.45	1.47	1.46	1.71	1.89	1.76	1.79	1.79	3.26	3.92	3.81
39	John Boyle	0	0	9.28	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0
40	Lake Creek (MT)	2.00	2.00	1.38	1.46	2.00	2.02	2.08	2.39	3.03	4.68	4.68	5.30	5.08	3.68
41	Last Chance	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	-1.56	-4.68	11.7	13.0	10.2
43	Lookout Point	111	110	113	110	116	8.21	7.52	11.6	13.0	124	123	122	131	125
44	Lost Creek	56.0	56.0	56.0	38.3	43.7	51.0	43.7	9.63	13.9	56.0	56.0	54.8	55.9	56.0
45	Lower Malad	12.2	12.2	11.3	8.66	9.19	8.96	9.21	8.97	8.94	8.26	8.42	8.34	8.22	9.63
46	Lower Salmon Falls	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
47	McNary Fishway	9.01	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
48	Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49	Milner Hydro	30.6	30.6	31.8	28.8	25.1	24.8	23.3	26.1	24.2	31.0	31.0	28.4	28.7	30.2
50	Minidoka	20.7	20.7	15.2	4.65	1.73	1.76	2.08	2.16	2.16	9.27	10.3	24.6	22.7	21.5
51	Movie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52	Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53	North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54	Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55	Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56	Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57	Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58	Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23
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	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9

Table A-8: Regional: Independent Hydro

Operating Year 2023 Water Year: 1937

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308 Continued

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	459	454	528	403	378	254	223	199	349	596	609	753	790	504
86	Investor Owned Utilities	764	761	773	816	795	820	795	815	820	870	874	848	839	771
87	Municipality	139	146	145	162	161	188	189	198	203	189	189	242	261	204
88	Public Utility District	139	138	127	125	125	123	123	27.1	125	125	125	137	137	138
89	**Total Independent Hydro**	**1508**	**1507**	**1579**	**1511**	**1464**	**1391**	**1335**	**1245**	**1504**	**1789**	**1805**	**1990**	**2038**	**1627**

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

Monthly 1-Hour Capacity
Operating Year 2014 to 2023
Using 1937-Water Conditions

Federal Report Surplus Deficit By Water Year

Operating Year 2014

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	1853	1757	1031	820	1519	1553	1133	702	1672	803	2534	4041	4304	1970
2	1930 Federal Report Surplus Deficit	1567	689	1419	490	1337	1639	-143	961	1478	1162	3229	3896	2820	2529
3	1931 Federal Report Surplus Deficit	1725	854	1120	233	1784	1095	-98.7	-314	1284	1917	-951	4397	3117	2347
4	1932 Federal Report Surplus Deficit	1013	-47.7	563	378	890	1449	-12.0	-453	3547	4803	4227	5066	5477	2756
5	1933 Federal Report Surplus Deficit	1892	1592	1884	622	889	2334	2839	3760	4036	4055	3637	4881	5738	3654
6	1934 Federal Report Surplus Deficit	2218	2602	1240	1830	3961	4344	4196	4669	4601	4551	4271	4830	4587	2621
7	1935 Federal Report Surplus Deficit	1035	468	816	315	733	2031	2962	3047	3571	3935	3265	4703	4468	3052
8	1936 Federal Report Surplus Deficit	2229	1445	830	623	1442	1554	221	-37.9	2131	2284	4166	5108	5225	2458
9	1937 Federal Report Surplus Deficit	1752	908	735	567	1883	1587	151	-24.8	1688	1304	1247	4588	3677	2349
10	1938 Federal Report Surplus Deficit	1686	429	1325	376	765	2091	2747	3299	4141	4769	4368	4986	5054	3008
11	1939 Federal Report Surplus Deficit	1677	1305	1400	802	1283	1600	1442	1788	2602	3890	3868	4948	3835	2394
12	1940 Federal Report Surplus Deficit	1253	163	721	838	2190	2153	1040	1178	3829	4178	3906	4895	4496	2087
13	1941 Federal Report Surplus Deficit	1241	217	1010	705	1111	1974	920	197	1498	1560	2545	4386	4409	2399
14	1942 Federal Report Surplus Deficit	1462	583	1448	587	1506	2765	2819	1321	2041	1913	3731	4551	5071	3191
15	1943 Federal Report Surplus Deficit	1991	1770	2049	683	768	2076	3336	3671	4405	4880	4608	4920	5650	2870
16	1944 Federal Report Surplus Deficit	1680	1403	1143	618	1568	1536	1177	897	1364	848	2843	3376	2196	2100
17	1945 Federal Report Surplus Deficit	1409	238	946	490	1367	662	312	617	1424	311	-791	4896	5084	1949
18	1946 Federal Report Surplus Deficit	1942	1200	1442	473	1172	2213	2560	3077	3922	4662	4383	5003	5269	3120
19	1947 Federal Report Surplus Deficit	2044	1758	1572	526	1419	4051	4203	4332	4460	4349	3821	4993	5281	3152
20	1948 Federal Report Surplus Deficit	1928	1579	1345	3483	3525	3239	4051	3763	3782	4299	4219	5207	5688	3474
21	1949 Federal Report Surplus Deficit	2268	2477	1729	898	1431	2164	3006	1512	4634	4722	4322	5133	5261	1813
22	1950 Federal Report Surplus Deficit	1142	267	659	567	1336	2014	4032	3947	4897	4923	4215	5012	5532	3275
23	1951 Federal Report Surplus Deficit	2196	2479	1420	1782	3822	4139	4300	5021	4813	4916	4252	4961	5214	3373
24	1952 Federal Report Surplus Deficit	2362	2063	1379	2976	2643	3252	3796	4072	4543	4918	4398	5131	5357	3068
25	1953 Federal Report Surplus Deficit	1884	1425	662	522	1465	1557	1989	2822	3551	3480	3637	4991	5763	3354
26	1954 Federal Report Surplus Deficit	2209	2113	1249	791	1774	2807	3782	4283	4641	4476	3909	5011	5344	3841
27	1955 Federal Report Surplus Deficit	2504	2632	3704	960	2875	2450	1912	665	1325	1786	3395	4910	5712	4012
28	1956 Federal Report Surplus Deficit	2280	2198	1004	1148	3417	4067	4300	4851	4705	4835	4470	5071	5734	3442
29	1957 Federal Report Surplus Deficit	2110	2014	1374	1089	1376	2892	2740	2242	4031	4884	3963	5215	5629	2971
30	1958 Federal Report Surplus Deficit	1762	740	1281	699	1588	1912	3044	2860	4055	4323	4079	5102	5467	2801
31	1959 Federal Report Surplus Deficit	1643	1097	1106	671	2511	3818	4236	4609	4566	4634	3892	4743	5487	3079
32	1960 Federal Report Surplus Deficit	2359	2321	3652	3690	3959	3652	3525	3169	4020	4762	4236	4937	5251	2882
33	1961 Federal Report Surplus Deficit	2022	1367	1025	854	1481	2348	3447	3306	4567	4721	3581	4945	5537	2791
34	1962 Federal Report Surplus Deficit	1703	1584	882	593	1517	1834	2957	3088	2688	4779	4396	4980	5390	1923
35	1963 Federal Report Surplus Deficit	1838	1372	1011	1231	2839	3583	2807	3440	3164	3567	3572	4933	5385	2977
36	1964 Federal Report Surplus Deficit	1935	1541	1623	573	1087	2309	2236	2031	2800	4592	3487	4964	5743	3757
37	1965 Federal Report Surplus Deficit	2308	2076	2099	1816	2413	4123	4326	4850	4729	4260	4259	4978	5046	3049
38	1966 Federal Report Surplus Deficit	2236	2366	778	1109	2018	2497	2827	2573	2303	4776	3768	4838	4694	3048
39	1967 Federal Report Surplus Deficit	2057	1493	1147	527	1239	2564	3976	4406	4677	3627	1560	4810	5478	3328
40	1968 Federal Report Surplus Deficit	2202	1917	1273	832	2082	2502	3497	4096	4239	3028	2848	4279	5186	3171
41	1969 Federal Report Surplus Deficit	2229	2104	2549	1935	3529	3274	4248	4699	4420	4780	4240	5117	5357	3153
42	1970 Federal Report Surplus Deficit	1839	1301	1385	777	1770	1827	2780	2882	3590	4042	3090	4883	5522	2602
43	1971 Federal Report Surplus Deficit	1881	1227	974	558	1371	2074	4328	4633	4919	4888	4182	5092	5705	3803
44	1972 Federal Report Surplus Deficit	2515	2530	1547	1207	1597	2784	4322	4339	4774	4871	4143	5098	5657	3738
45	1973 Federal Report Surplus Deficit	2372	2541	1946	1111	1700	2486	2899	2023	1799	47.3	2389	4365	4382	2224
46	1974 Federal Report Surplus Deficit	1496	460	990	317	1073	2849	4115	4568	4715	4799	4413	5062	5634	4030
47	1975 Federal Report Surplus Deficit	2366	2424	1765	517	1551	2077	2770	3571	4431	3432	3546	4975	5648	4152
48	1976 Federal Report Surplus Deficit	2194	2152	1855	2172	3804	4389	4205	4720	4722	4764	4295	5071	5402	3510
49	1977 Federal Report Surplus Deficit	2655	2703	4010	1203	1617	1454	1113	1232	1683	131	2646	2793	1926	1839
50	1978 Federal Report Surplus Deficit	1147	-70.6	317	351	723	2891	2819	2938	3624	4818	3794	4771	4595	3047
51	1979 Federal Report Surplus Deficit	1817	1453	2617	1337	1690	1805	2307	829	3750	3232	3660	5044	4147	1976
52	1980 Federal Report Surplus Deficit	1131	506	883	606	1527	1400	1453	1685	1801	4234	3886	5131	5210	2330
53	1981 Federal Report Surplus Deficit	1447	548	1152	811	1484	3842	3740	3012	3215	1928	3885	5028	5563	3218
54	1982 Federal Report Surplus Deficit	2372	2629	1417	768	2047	2958	3908	4763	4786	4837	4139	4987	5533	3389
55	1983 Federal Report Surplus Deficit	2481	2556	2745	2002	2152	3207	4122	4451	4928	4773	3981	4956	5304	3391
56	1984 Federal Report Surplus Deficit	2255	2108	1695	931	3990	3183	3698	4291	4621	4864	4337	5010	5754	3529
57	1985 Federal Report Surplus Deficit	2171	1845	1709	1001	1998	2491	2496	2503	3455	4518	4065	5018	4710	1203
58	1986 Federal Report Surplus Deficit	1020	-298	842	700	3302	2349	3434	4238	4759	4770	4154	4804	5286	2767

Federal Report Surplus Deficit By Water Year

Operating Year 2014

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308Continued

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	1987 Federal Report Surplus Deficit	1949	1291	933	523	1330	2595	1816	248	3218	2691	3338	4937	4375	2172
60	1988 Federal Report Surplus Deficit	978	-347	999	335	1257	1360	269	35.1	1473	1384	3358	4407	4496	2591
61	1989 Federal Report Surplus Deficit	1405	653	1405	130	797	2027	1245	793	3115	4592	4214	4897	4551	2101
62	1990 Federal Report Surplus Deficit	1373	445	1052	438	1718	2370	3145	3681	4450	4212	4415	4860	5328	2906
63	1991 Federal Report Surplus Deficit	2246	2069	936	327	3844	3441	3759	4394	4419	4566	3899	4969	5137	3342
64	1992 Federal Report Surplus Deficit	2341	2545	1055	500	1455	1654	1255	846	2397	1983	2870	4833	4074	1880
65	1993 Federal Report Surplus Deficit	998	-32.8	852	213	1389	1798	85.3	-183	2883	2510	3264	4917	4924	2761
66	1994 Federal Report Surplus Deficit	1757	1213	1487	326	2019	1710	400	-34.2	1688	1175	3181	4706	4396	2495
67	1995 Federal Report Surplus Deficit	1507	422	1091	87.9	906	1425	1666	3159	4036	4549	3563	4795	5333	2965
68	1996 Federal Report Surplus Deficit	1907	1493	2124	1369	3891	4128	4230	4900	4698	4836	4537	5047	5423	3609
69	1997 Federal Report Surplus Deficit	2402	2214	960	695	1837	3171	4310	4606	4805	4717	4511	4986	5643	3690
70	1998 Federal Report Surplus Deficit	2440	2383	2683	3630	3432	3015	2523	3113	3401	3396	3963	5133	5598	3038
71	1999 Federal Report Surplus Deficit	2254	1308	1271	633	1038	2776	4161	4641	4940	4548	4221	5016	5691	3706
72	2000 Federal Report Surplus Deficit	2601	2733	2050	886	4008	3619	3285	3521	4274	4828	4312	4940	4773	2870
73	2001 Federal Report Surplus Deficit	2155	844	1030	661	1465	1586	1121	1037	1552	699	2562	3977	1651	2194
74	2002 Federal Report Surplus Deficit	1214	473	452	-269	839	1459	763	1177	2103	4609	4150	4706	5378	3454
75	2003 Federal Report Surplus Deficit	2093	1526	1405	321	1871	1756	674	817	4023	4210	3755	4704	5344	2205
76	2004 Federal Report Surplus Deficit	1251	-34.7	652	645	1755	2297	1341	1116	2227	2759	3793	4866	4733	2361
77	2005 Federal Report Surplus Deficit	1357	890	1313	928	1639	2781	2559	2091	2594	1875	3217	4726	4938	2530
78	2006 Federal Report Surplus Deficit	1846	840	1391	235	1563	2291	3082	4354	4235	4737	4405	5091	5356	2880
79	2007 Federal Report Surplus Deficit	1425	242	1064	410	1724	2210	3241	2607	4690	4628	3859	4934	4624	3026
80	2008 Federal Report Surplus Deficit	1809	330	570	608	1493	1783	1746	1461	2886	3415	2455	5010	5745	3233

Ranked Averages

81	**Bottom 10 pct**	**1058**	**55.8**	**741**	**433**	**1395**	**1911**	**1880**	**1907**	**3320**	**3922**	**3770**	**4851**	**4998**	**2822**
82	**Middle 80 pct**	**1889**	**1373**	**1332**	**874**	**1898**	**2485**	**2617**	**2689**	**3500**	**3631**	**3575**	**4838**	**4974**	**2856**
83	**Top 10 pct**	**2496**	**2548**	**2389**	**1419**	**2446**	**2832**	**3187**	**3336**	**3747**	**3667**	**3886**	**4725**	**5018**	**3246**

Federal Report Surplus Deficit By Water Year

Operating Year 2015

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	2697	2636	1332	351	1197	1353	1014	820	1373	547	2511	3584	3429	1416
2	1930 Federal Report Surplus Deficit	2248	1511	1624	294	1215	1472	336	1057	1483	1220	2988	3679	846	2401
3	1931 Federal Report Surplus Deficit	2421	1619	1338	217	1468	1422	-95.2	-180	1288	1769	849	3956	1929	2196
4	1932 Federal Report Surplus Deficit	1606	893	987	63.1	575	1342	-134	-183	3712	4341	3963	4297	4674	2569
5	1933 Federal Report Surplus Deficit	2795	2766	2190	409	559	2483	2548	3577	3635	3657	3345	4205	4912	3504
6	1934 Federal Report Surplus Deficit	2706	3084	1726	1387	3431	4009	3909	4249	4209	4139	3991	4114	3821	2409
7	1935 Federal Report Surplus Deficit	2187	1738	1053	363	404	2236	2709	3147	3774	2900	2939	4103	3763	2926
8	1936 Federal Report Surplus Deficit	2791	2139	1162	195	1041	1389	607	271	1801	2295	3920	4324	4435	2231
9	1937 Federal Report Surplus Deficit	2449	1686	1057	179	1447	1393	421	-42.9	1363	1070	924	3980	2536	2049
10	1938 Federal Report Surplus Deficit	2016	1292	1584	398	622	2511	2602	2704	3675	4379	4104	4270	4441	2751
11	1939 Federal Report Surplus Deficit	2488	2151	1652	482	966	1408	1767	1523	2479	3524	3619	4254	2427	2163
12	1940 Federal Report Surplus Deficit	1928	1067	992	614	1581	2423	1712	729	4205	3632	3213	4189	2893	2122
13	1941 Federal Report Surplus Deficit	1867	1138	1225	408	964	2313	850	758	1787	1404	2235	3856	2674	2343
14	1942 Federal Report Surplus Deficit	2151	1413	1822	209	1849	2584	2359	2107	2887	2283	3407	3912	3959	3033
15	1943 Federal Report Surplus Deficit	2636	2393	2480	503	423	2073	2963	3784	4078	4440	4324	4196	4830	2711
16	1944 Federal Report Surplus Deficit	2639	2504	1398	58.5	1159	1336	1041	872	1325	552	2494	3236	778	1921
17	1945 Federal Report Surplus Deficit	2106	1138	1138	389	1151	892	209	594	1429	371	451	4243	4325	1790
18	1946 Federal Report Surplus Deficit	2633	1932	1652	148	857	2430	2389	2616	3783	4268	4123	4280	4496	2957
19	1947 Federal Report Surplus Deficit	2771	2729	1811	16.1	1245	3791	3638	4121	4321	3987	3535	4280	4498	3044
20	1948 Federal Report Surplus Deficit	2591	2234	1553	3141	3039	3093	3704	3548	3647	3921	3961	4365	4859	3355
21	1949 Federal Report Surplus Deficit	2760	3008	2880	404	1105	2113	2616	1908	4277	4342	4007	4336	4500	1730
22	1950 Federal Report Surplus Deficit	1863	1267	993	209	1016	2114	3690	3792	4355	4519	3949	4296	4735	3145
23	1951 Federal Report Surplus Deficit	2760	3093	1807	1296	3305	3871	3974	4496	4403	4511	3990	4239	4331	3293
24	1952 Federal Report Surplus Deficit	2883	3008	1767	2595	2247	3106	3462	4036	3896	4514	4204	4335	4634	2798
25	1953 Federal Report Surplus Deficit	2637	2439	1009	45.2	826	1435	2295	2575	3526	3084	3303	4282	4935	3223
26	1954 Federal Report Surplus Deficit	2805	2707	1640	280	1438	2709	3380	3955	4185	4069	3659	4293	4593	3713
27	1955 Federal Report Surplus Deficit	2975	2904	4085	467	2454	2375	1738	1329	2032	2108	3118	4218	4843	3851
28	1956 Federal Report Surplus Deficit	2696	3021	1409	668	2943	3806	3988	4284	4191	4360	4198	4315	4910	3312
29	1957 Federal Report Surplus Deficit	2743	3060	1632	581	1051	2783	2554	2280	3686	4473	3605	4291	4796	2915
30	1958 Federal Report Surplus Deficit	2658	2262	1495	291	1261	1842	2845	2661	3830	3961	3830	4323	4663	2580
31	1959 Federal Report Surplus Deficit	2559	2145	1338	555	1855	3558	3892	4318	4141	4243	3636	4052	4677	2869
32	1960 Federal Report Surplus Deficit	2874	3082	4003	3446	3434	3429	3199	2791	3687	4313	3974	4255	4472	2781
33	1961 Federal Report Surplus Deficit	2692	2058	1264	375	1085	2286	3154	3070	4252	4181	3289	4225	4721	2742
34	1962 Federal Report Surplus Deficit	2549	2418	1147	132	1196	1852	2686	2819	2302	4344	4128	4266	4597	1937
35	1963 Federal Report Surplus Deficit	2441	2224	1279	1006	2190	3398	3028	3341	3456	2870	3106	4225	4203	2821
36	1964 Federal Report Surplus Deficit	2588	2220	1820	112	770	2209	2020	1615	2312	4216	3176	4253	4918	3651
37	1965 Federal Report Surplus Deficit	2747	2976	2556	1356	2035	3851	3978	4416	4269	3760	3990	4241	4276	3069
38	1966 Federal Report Surplus Deficit	2771	2950	1250	617	1654	2418	2567	2260	2404	4370	3539	4125	3955	2887
39	1967 Federal Report Surplus Deficit	2695	2161	1381	72.2	918	2440	3696	4106	4205	3232	1402	4115	4659	3238
40	1968 Federal Report Surplus Deficit	2805	2921	1661	326	1724	2425	3213	3357	4135	2636	2547	3902	4375	3014
41	1969 Federal Report Surplus Deficit	2771	2766	3025	1487	3043	3126	3904	4265	4079	4375	3977	4343	4583	3013
42	1970 Federal Report Surplus Deficit	2759	2657	1599	338	1443	1764	2570	3168	3477	3657	2246	4168	4690	2615
43	1971 Federal Report Surplus Deficit	2472	2114	1227	61.3	1049	1970	3908	4299	4489	4488	3945	4315	4882	3625
44	1972 Federal Report Surplus Deficit	2965	3106	2423	700	1269	2696	3933	3907	4284	4445	3890	4325	4834	3600
45	1973 Federal Report Surplus Deficit	2851	2928	3048	609	1365	2420	2747	1986	1692	-194	2068	3941	2570	2090
46	1974 Federal Report Surplus Deficit	2169	1305	1194	260	474	3220	3892	4044	4195	4328	4146	4309	4822	3881
47	1975 Federal Report Surplus Deficit	2814	2974	2949	-20.8	1224	2034	2484	3200	4061	3036	3275	4265	4821	4045
48	1976 Federal Report Surplus Deficit	2764	2907	2260	1727	3288	4061	3858	4374	4316	4344	4031	4313	4545	3466
49	1977 Federal Report Surplus Deficit	2989	2958	4129	717	1288	1250	974	1045	1678	-208	2344	3111	-299	1964
50	1978 Federal Report Surplus Deficit	1730	844	685	-215	446	2944	2730	3041	3323	4412	3546	4061	3864	3077
51	1979 Federal Report Surplus Deficit	2512	2119	3098	857	1366	1872	2243	1229	3403	2840	3387	4282	3119	1736
52	1980 Federal Report Surplus Deficit	1749	1370	1163	272	1191	1205	1837	1433	1729	3873	3629	4325	4410	2257
53	1981 Federal Report Surplus Deficit	2366	1688	1421	429	1165	3564	3375	3689	3666	1421	3344	4230	4717	3053
54	1982 Federal Report Surplus Deficit	2838	3098	1964	320	1638	2842	3568	4277	4286	4453	3883	4232	4718	3359
55	1983 Federal Report Surplus Deficit	2947	3078	3798	1547	1795	3071	3767	4126	4510	4383	3630	4223	4487	3418
56	1984 Federal Report Surplus Deficit	2778	2979	2090	437	3458	3051	3357	3971	4311	4432	4015	4291	4882	3375
57	1985 Federal Report Surplus Deficit	2842	2702	2036	499	1652	2422	2243	2123	3129	4128	3796	4288	3797	1326
58	1986 Federal Report Surplus Deficit	1617	751	1180	1416	2899	2249	3102	3945	4304	4370	3900	4134	4505	2614

Federal Report Surplus Deficit By Water Year

Operating Year 2015

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308Continued

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	1987 Federal Report Surplus Deficit	2637	1998	1173	36.1	1003	2518	2041	1258	2910	2309	3061	4180	3563	1947
60	1988 Federal Report Surplus Deficit	1575	702	1238	104	1060	1175	552	5.38	1585	1446	3031	3950	2747	2526
61	1989 Federal Report Surplus Deficit	2068	1479	1604	92.3	664	2285	1165	309	3028	4227	3953	4200	3826	1761
62	1990 Federal Report Surplus Deficit	2046	1329	1299	193	1835	2530	2827	3489	3988	3704	4142	4179	4559	2677
63	1991 Federal Report Surplus Deficit	2828	2772	1348	-145	3203	3280	3417	4069	4038	4159	3517	4256	4428	3237
64	1992 Federal Report Surplus Deficit	2810	3064	1455	-10.8	1128	1670	1643	1270	2777	1435	2306	3843	1963	1879
65	1993 Federal Report Surplus Deficit	1595	870	1138	223	1083	1797	158	-128	2618	2196	3054	4240	4283	2453
66	1994 Federal Report Surplus Deficit	2456	1943	1733	118	1684	1658	628	747	1384	942	2961	4090	3460	2312
67	1995 Federal Report Surplus Deficit	2177	1281	1298	1.92	590	1843	1519	3025	4194	3269	2941	4122	4526	2815
68	1996 Federal Report Surplus Deficit	2582	2174	2489	1805	3383	3821	3951	4351	4251	4442	4248	4302	4640	3471
69	1997 Federal Report Surplus Deficit	2847	3080	1509	184	1497	3039	4022	4100	4329	4309	4232	4235	4825	3574
70	1998 Federal Report Surplus Deficit	2949	3073	3472	3336	2957	2906	2622	2553	3100	3007	3547	4247	4749	2960
71	1999 Federal Report Surplus Deficit	2889	2237	1497	174	633	2722	3833	4137	4503	4158	3911	4296	4865	3584
72	2000 Federal Report Surplus Deficit	2992	3120	2726	470	3454	3435	2999	3162	3964	4425	4033	4237	4105	2828
73	2001 Federal Report Surplus Deficit	2778	1644	1273	223	1139	1382	995	855	1691	336	2559	3716	-773	1998
74	2002 Federal Report Surplus Deficit	1852	1336	831	-308	576	1823	1072	1317	2169	3776	3895	4118	4585	3297
75	2003 Federal Report Surplus Deficit	2882	2697	1621	-182	1539	1570	1035	928	3747	3816	3493	4071	4573	1861
76	2004 Federal Report Surplus Deficit	1893	993	1009	375	1330	2654	1545	429	2859	3213	3171	4137	3855	2046
77	2005 Federal Report Surplus Deficit	2031	1665	1690	487	1307	2688	2304	2281	2486	1517	2939	4023	4104	2266
78	2006 Federal Report Surplus Deficit	2533	1663	1613	334	1235	2209	2776	4024	3917	4341	4147	4277	4586	2679
79	2007 Federal Report Surplus Deficit	2460	2017	1312	-135	1838	2223	3011	2257	4384	4237	3589	4237	3855	2864
80	2008 Federal Report Surplus Deficit	2448	1257	959	385	1097	1963	1666	1493	2599	3121	1887	4239	4914	3083

Ranked Averages

81	**Bottom 10 pct**	**1698**	**1004**	**1027**	**221**	**1106**	**1831**	**1626**	**1653**	**2974**	**3616**	**3621**	**4178**	**4226**	**2742**
82	**Middle 80 pct**	**2552**	**2238**	**1682**	**501**	**1548**	**2449**	**2507**	**2594**	**3336**	**3250**	**3306**	**4154**	**4007**	**2705**
83	**Top 10 pct**	**2949**	**2936**	**2987**	**1251**	**2012**	**2695**	**2916**	**3037**	**3496**	**3354**	**3585**	**4124**	**4027**	**3125**

Federal Report Surplus Deficit By Water Year

Operating Year 2016

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	2557	2491	806	381	878	1460	882	841	2598	472	2557	3798	4458	1148
2	1930 Federal Report Surplus Deficit	2059	1540	837	322	888	1580	186	1076	2683	1129	3025	4035	1966	2472
3	1931 Federal Report Surplus Deficit	2266	1420	258	253	1126	1516	-260	-243	2539	1664	941	4535	3021	2214
4	1932 Federal Report Surplus Deficit	1540	670	596	86.2	310	1450	-306	-246	4113	4194	4011	5013	5516	2675
5	1933 Federal Report Surplus Deficit	2682	2691	1214	449	353	2519	2445	3647	3985	3515	3376	4894	5718	3648
6	1934 Federal Report Surplus Deficit	2633	3003	1146	1469	3179	4002	3835	4301	4287	3994	4040	4784	4777	2509
7	1935 Federal Report Surplus Deficit	1901	1334	198	413	250	2288	2609	3221	4068	2770	2976	4795	4755	3082
8	1936 Federal Report Surplus Deficit	2729	2144	651	211	727	1494	459	251	2879	2178	3962	5049	5330	2272
9	1937 Federal Report Surplus Deficit	2369	1397	515	190	1107	1491	275	-89.7	2613	985	1020	4543	3618	2009
10	1938 Federal Report Surplus Deficit	2150	1275	442	438	398	2547	2499	2778	4124	4232	4153	4937	5334	2887
11	1939 Federal Report Surplus Deficit	2373	1648	1057	529	667	1524	1649	1575	3388	3387	3649	4938	3499	2165
12	1940 Federal Report Surplus Deficit	1782	1158	395	678	1237	2457	1596	735	4401	3491	3245	4880	3946	2114
13	1941 Federal Report Surplus Deficit	2051	1103	228	463	659	2358	710	775	2859	1305	2285	4488	3733	2422
14	1942 Federal Report Surplus Deficit	2104	1315	328	251	1505	2616	2253	2173	3554	2168	3437	4586	4903	3191
15	1943 Federal Report Surplus Deficit	2564	2058	1647	554	269	2136	2866	3856	4324	4296	4382	4864	5648	2842
16	1944 Federal Report Surplus Deficit	2591	2213	746	33.7	844	1449	910	895	2575	475	2538	3212	1899	1841
17	1945 Federal Report Surplus Deficit	1877	802	-4.34	430	829	1031	47.9	583	2679	304	562	4939	5228	1633
18	1946 Federal Report Surplus Deficit	2477	1773	695	148	586	2470	2283	2689	4174	4121	4176	4948	5380	3118
19	1947 Federal Report Surplus Deficit	2701	2531	1146	-11.9	925	3778	3551	4182	4420	3844	3565	4947	5353	3203
20	1948 Federal Report Surplus Deficit	2568	1987	1034	3162	2755	3100	3618	3619	4048	3777	4007	5181	5664	3502
21	1949 Federal Report Surplus Deficit	2677	2973	2505	443	796	2172	2516	1969	4435	4195	4051	5021	5385	1579
22	1950 Federal Report Surplus Deficit	1813	1122	392	225	719	2167	3604	3837	4436	4373	3986	4964	5581	3303
23	1951 Federal Report Surplus Deficit	2695	3015	1252	1377	3045	3858	3896	4542	4476	4364	4036	4907	5242	3444
24	1952 Federal Report Surplus Deficit	2792	2972	1206	2644	1910	3113	3373	4105	4235	4367	4259	5103	5484	2936
25	1953 Federal Report Surplus Deficit	2507	1905	448	27.5	544	1537	2186	2646	3997	2950	3335	4954	5734	3378
26	1954 Federal Report Surplus Deficit	2662	2333	1066	304	1103	2735	3289	4024	4369	3925	3690	4960	5451	3835
27	1955 Federal Report Surplus Deficit	2843	2927	3958	509	2128	2411	1620	1374	3027	1995	3152	4912	5663	3965
28	1956 Federal Report Surplus Deficit	2626	2843	804	722	2650	3793	3904	4394	4273	4199	4252	5015	5715	3463
29	1957 Federal Report Surplus Deficit	2678	2977	1060	632	749	2805	2453	2349	4141	4327	3636	5129	5592	3070
30	1958 Federal Report Surplus Deficit	2669	2292	857	313	933	1922	2746	2733	4115	3816	3865	5065	5500	2692
31	1959 Federal Report Surplus Deficit	2307	1957	805	607	1511	3550	3809	4373	4304	4096	3667	4735	5504	3020
32	1960 Federal Report Surplus Deficit	2820	3016	3853	3476	3178	3420	3108	2865	4113	4172	4017	4946	5359	2933
33	1961 Federal Report Surplus Deficit	2661	1845	739	414	777	2334	3061	3145	4418	4034	3321	4893	5545	2891
34	1962 Federal Report Surplus Deficit	2618	2310	571	139	876	1931	2585	2893	3209	4201	4180	4935	5451	1854
35	1963 Federal Report Surplus Deficit	2410	1858	688	1080	1852	3395	2935	3320	3944	2744	3140	4920	5133	2976
36	1964 Federal Report Surplus Deficit	2528	1960	1271	110	510	2261	1907	1669	3221	4069	3210	4926	5723	3777
37	1965 Federal Report Surplus Deficit	2677	2912	2094	1438	1692	3838	3906	4462	4351	3619	4044	4918	5160	3225
38	1966 Federal Report Surplus Deficit	2700	2895	602	675	1309	2452	2464	2330	3297	4223	3569	4795	4917	3042
39	1967 Federal Report Surplus Deficit	2670	1915	836	85.9	633	2480	3609	4168	4316	3098	1480	4804	5483	3391
40	1968 Federal Report Surplus Deficit	2739	2779	1098	364	1380	2460	3119	3432	4278	2511	2592	4431	5237	3173
41	1969 Federal Report Surplus Deficit	2701	2655	2718	1568	2759	3132	3822	4301	4234	4228	4026	5066	5460	3171
42	1970 Federal Report Surplus Deficit	2691	2431	1044	359	1107	1849	2466	3242	3923	3517	2301	4860	5519	2731
43	1971 Federal Report Surplus Deficit	2130	1567	693	64.5	749	2040	3825	4354	4560	4341	3990	5043	5692	3756
44	1972 Federal Report Surplus Deficit	2902	3038	1947	756	947	2724	3834	3953	4363	4298	3926	5045	5642	3732
45	1973 Federal Report Surplus Deficit	2790	2878	2713	663	1033	2463	2646	2050	2815	-243	2124	4497	3636	2066
46	1974 Federal Report Surplus Deficit	2171	1068	208	294	309	3223	3824	4105	4277	4167	4199	5004	5647	3995
47	1975 Federal Report Surplus Deficit	2757	2916	2587	-49.1	903	2102	2379	3275	4340	2904	3307	4936	5630	4139
48	1976 Federal Report Surplus Deficit	2700	2832	1747	1808	3027	4049	3774	4428	4390	4199	4080	5014	5417	3604
49	1977 Federal Report Surplus Deficit	2894	2952	3962	779	957	1353	843	1081	2787	-265	2394	3032	834	1903
50	1978 Federal Report Surplus Deficit	1564	644	-34.3	-263	275	2958	2629	2982	3908	4265	3577	4731	4824	3236
51	1979 Federal Report Surplus Deficit	2442	1835	2017	928	1033	1949	2136	1264	3956	2714	3418	4950	4163	1586
52	1980 Federal Report Surplus Deficit	1725	1233	739	299	866	1341	1720	1480	2845	3729	3662	5101	5266	2271
53	1981 Federal Report Surplus Deficit	2228	1321	890	474	843	3556	3286	3758	4020	1322	3375	4914	5524	3210
54	1982 Federal Report Surplus Deficit	2775	3020	1759	341	1295	2861	3479	4269	4457	4306	3918	4925	5546	3507
55	1983 Federal Report Surplus Deficit	2838	3030	3330	1629	1451	3081	3681	4171	4579	4236	3660	4892	5366	3565
56	1984 Federal Report Surplus Deficit	2705	2898	1924	474	3210	3062	3265	4039	4489	4287	4064	4959	5692	3522
57	1985 Federal Report Surplus Deficit	2819	2733	1544	534	1310	2462	2136	2189	3713	3982	3831	4958	4787	1040
58	1986 Federal Report Surplus Deficit	1480	812	543	1498	2602	2298	3006	4015	4463	4223	3943	4826	5372	2727

Federal Report Surplus Deficit By Water Year

Operating Year 2016

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308Continued

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	1987 Federal Report Surplus Deficit	2565	1695	622	22.7	711	2553	1929	1297	3586	2193	3096	4875	4556	1885
60	1988 Federal Report Surplus Deficit	1601	909	358	124	736	1320	403	-39.5	2750	1350	3065	4502	3816	2626
61	1989 Federal Report Surplus Deficit	2239	1374	426	93.4	429	2333	1033	293	3719	4082	4000	4880	4811	1618
62	1990 Federal Report Surplus Deficit	1878	1401	613	207	1491	2558	2728	3561	4231	3564	4196	4863	5433	2805
63	1991 Federal Report Surplus Deficit	2741	2540	758	-193	2939	3280	3326	4131	4224	4012	3548	4927	5304	3386
64	1992 Federal Report Surplus Deficit	2739	2972	900	-29.4	814	1762	1525	1312	3485	1336	2355	4329	3053	1794
65	1993 Federal Report Surplus Deficit	1661	884	-31.7	262	767	1877	-3.34	-184	3466	2084	3090	4925	5217	2531
66	1994 Federal Report Surplus Deficit	2471	1918	748	121	1339	1742	482	762	2620	859	2997	4783	4463	2356
67	1995 Federal Report Surplus Deficit	2120	1142	318	10.1	360	1921	1395	3100	4356	3135	2980	4806	5383	2951
68	1996 Federal Report Surplus Deficit	2510	2052	1239	1883	3109	3824	3852	4397	4430	4296	4306	4986	5468	3605
69	1997 Federal Report Surplus Deficit	2788	3003	843	192	1160	3051	3949	4160	4519	4163	4288	4931	5631	3698
70	1998 Federal Report Surplus Deficit	2862	3015	3275	3349	2666	2923	2519	2625	3710	2877	3577	5008	5570	3097
71	1999 Federal Report Surplus Deficit	2846	2434	912	176	415	2747	3749	4183	4579	4012	3947	4965	5676	3721
72	2000 Federal Report Surplus Deficit	2916	3061	2322	514	3210	3432	2902	3237	4266	4278	4085	4931	5066	2978
73	2001 Federal Report Surplus Deficit	2706	1300	702	237	818	1489	864	878	2796	265	2604	4080	363	1925
74	2002 Federal Report Surplus Deficit	1798	1027	23.6	-356	355	1904	938	1362	3133	3635	3938	4801	5434	3452
75	2003 Federal Report Surplus Deficit	2784	2191	820	-220	1196	1669	900	952	4136	3674	3523	4764	5439	1722
76	2004 Federal Report Surplus Deficit	1583	995	262	425	994	2681	1423	420	3540	3080	3205	4829	4819	1987
77	2005 Federal Report Surplus Deficit	1733	1314	1974	536	977	2713	2199	2351	3296	1414	2973	4705	5050	2271
78	2006 Federal Report Surplus Deficit	2484	1557	799	378	911	2261	2677	4092	4159	4199	4200	5075	5450	2765
79	2007 Federal Report Surplus Deficit	2464	1789	513	-183	1494	2275	2915	2326	4488	4090	3619	4923	4836	3011
80	2008 Federal Report Surplus Deficit	2277	1293	210	436	779	2032	1547	1544	3417	2990	1954	4942	5717	3241
Ranked Averages															
81	**Bottom 10 pct**	**1611**	**932**	**551**	**371**	**941**	**2080**	**1384**	**1347**	**3548**	**3042**	**3441**	**4829**	**4985**	**2540**
82	**Middle 80 pct**	**2474**	**2065**	**953**	**500**	**1213**	**2469**	**2420**	**2698**	**3851**	**3179**	**3382**	**4811**	**4939**	**2810**
83	**Top 10 pct**	**2865**	**2934**	**2945**	**1398**	**1869**	**2761**	**2782**	**2936**	**3928**	**3200**	**3595**	**4716**	**4897**	**3237**

Federal Report Surplus Deficit By Water Year

Operating Year 2017

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	2245	2506	841	307	1539	1235	760	717	2136	410	2465	3450	3373	1387
2	1930 Federal Report Surplus Deficit	1779	1529	872	248	1536	1355	80.0	953	2233	1041	2929	3575	897	2389
3	1931 Federal Report Surplus Deficit	1955	1409	295	180	1727	1298	-350	-394	2053	1552	841	3902	1927	2179
4	1932 Federal Report Surplus Deficit	1356	633	633	11.5	1007	1224	-388	-397	3963	4034	3889	4263	4542	2561
5	1933 Federal Report Surplus Deficit	2389	2712	1238	376	1051	2340	2313	3446	3845	3358	3273	4186	4752	3505
6	1934 Federal Report Surplus Deficit	2431	3067	1171	1387	3821	3860	3700	4072	4161	3833	3920	4091	3733	2400
7	1935 Federal Report Surplus Deficit	1647	1322	236	341	925	2097	2477	3042	3937	2626	2881	4082	3689	2928
8	1936 Federal Report Surplus Deficit	2515	2147	690	135	1396	1270	350	118	2490	2050	3837	4289	4326	2216
9	1937 Federal Report Surplus Deficit	2052	1381	554	114	1715	1271	165	-233	2127	906	918	3923	2522	2028
10	1938 Federal Report Surplus Deficit	1845	1258	481	365	1099	2368	2367	2617	3964	4072	4033	4244	4331	2749
11	1939 Federal Report Surplus Deficit	2059	1638	1086	457	1348	1295	1519	1447	3074	3233	3540	4237	2403	2144
12	1940 Federal Report Surplus Deficit	1519	1141	432	605	1826	2279	1465	610	4280	3336	3143	4168	2853	2102
13	1941 Federal Report Surplus Deficit	1782	1079	267	390	1336	2172	594	651	2472	1204	2194	3816	2639	2331
14	1942 Federal Report Surplus Deficit	1801	1300	366	178	2049	2440	2121	2033	3332	2043	3329	3884	3868	3036
15	1943 Federal Report Surplus Deficit	2280	2063	1649	482	944	1937	2735	3659	4199	4134	4292	4169	4681	2708
16	1944 Federal Report Surplus Deficit	2292	2220	783	-48.7	1511	1221	787	771	2090	409	2446	3055	832	1898
17	1945 Federal Report Surplus Deficit	1606	769	30.9	357	1486	790	-46.5	453	2193	255	455	4225	4222	1747
18	1946 Federal Report Surplus Deficit	2157	1766	733	69.9	1282	2288	2150	2533	4026	3962	4066	4253	4380	2959
19	1947 Federal Report Surplus Deficit	2481	2548	1171	-94.8	1583	3649	3427	3959	4297	3686	3456	4254	4372	3047
20	1948 Federal Report Surplus Deficit	2301	1988	1063	3010	3130	2947	3495	3424	3898	3618	3884	4329	4698	3355
21	1949 Federal Report Surplus Deficit	2531	3067	2481	370	1469	1976	2385	1835	4315	4035	3927	4303	4390	1687
22	1950 Federal Report Surplus Deficit	1584	1097	430	149	1403	1975	3480	3550	4229	4213	3862	4271	4605	3147
23	1951 Federal Report Surplus Deficit	2554	3080	1275	1299	3425	3729	3768	4254	4347	4204	3913	4213	4227	3295
24	1952 Federal Report Surplus Deficit	2621	3023	1230	2520	2401	2960	3248	3897	4097	4207	4150	4299	4507	2791
25	1953 Federal Report Surplus Deficit	2207	1904	486	-53.5	1235	1315	2053	2499	3831	2802	3234	4260	4767	3226
26	1954 Federal Report Surplus Deficit	2364	2343	1095	230	1731	2564	3163	3817	4248	3766	3575	4266	4469	3707
27	1955 Federal Report Surplus Deficit	2716	3049	3928	436	2577	2232	1489	1248	2676	1873	3054	4200	4696	3841
28	1956 Federal Report Surplus Deficit	2461	2878	839	650	3033	3664	3776	4107	4067	3953	4142	4281	4749	3314
29	1957 Federal Report Surplus Deficit	2527	3038	1088	560	1428	2637	2321	2205	3979	4167	3523	4255	4623	2916
30	1958 Federal Report Surplus Deficit	2379	2301	890	238	1578	1712	2615	2583	3985	3657	3742	4287	4527	2573
31	1959 Federal Report Surplus Deficit	1992	1958	839	534	2072	3414	3686	4141	4184	3936	3553	4032	4535	2869
32	1960 Federal Report Surplus Deficit	2687	3097	3856	3284	3854	3285	2982	2701	3958	4006	3893	4237	4361	2781
33	1961 Federal Report Surplus Deficit	2374	1842	775	341	1451	2146	2933	2979	4297	3874	3219	4200	4577	2742
34	1962 Federal Report Surplus Deficit	2315	2318	607	62.2	1535	1722	2453	2729	2896	4040	4065	4242	4471	1913
35	1963 Federal Report Surplus Deficit	2092	1855	726	1006	2348	3254	2807	3145	3793	2603	3042	4206	4106	2822
36	1964 Federal Report Surplus Deficit	2229	1963	1292	32.2	1209	2070	1775	1540	2908	3909	3111	4231	4757	3645
37	1965 Federal Report Surplus Deficit	2518	2994	2085	1357	2216	3710	3767	4174	4145	3464	3933	4210	4164	3070
38	1966 Federal Report Surplus Deficit	2563	2989	637	603	1889	2274	2331	2184	2990	4064	3457	4096	3869	2888
39	1967 Federal Report Surplus Deficit	2428	1914	868	9.95	1322	2297	3486	3945	4195	2948	1385	4098	4515	3240
40	1968 Federal Report Surplus Deficit	2567	2808	1123	291	1961	2282	2991	3250	4157	2371	2500	3837	4256	3014
41	1969 Federal Report Surplus Deficit	2504	2686	2681	1481	3134	2980	3698	4014	4079	4060	3905	4308	4468	3015
42	1970 Federal Report Surplus Deficit	2480	2442	1074	284	1733	1637	2334	3064	3764	3362	2210	4151	4549	2608
43	1971 Federal Report Surplus Deficit	1841	1557	728	-13.0	1429	1837	3702	4122	4431	4181	3866	4280	4726	3627
44	1972 Federal Report Surplus Deficit	2775	3116	1946	683	1603	2551	3648	3666	4156	4137	3803	4290	4676	3601
45	1973 Federal Report Surplus Deficit	2664	2985	2683	591	1667	2278	2515	1912	2404	-275	2033	3882	2541	2070
46	1974 Federal Report Surplus Deficit	1873	1046	247	221	998	3074	3676	3928	4070	3920	4087	4275	4679	3872
47	1975 Federal Report Surplus Deficit	2630	3016	2563	-132	1562	1900	2246	3097	4211	2757	3205	4242	4665	4028
48	1976 Federal Report Surplus Deficit	2548	2871	1751	1719	3405	3917	3651	4196	4264	4038	3960	4279	4428	3464
49	1977 Federal Report Surplus Deficit	2768	3085	3980	707	1597	1130	720	958	2382	-297	2303	2928	-192	1941
50	1978 Federal Report Surplus Deficit	1353	605	-8.47	-351	966	2798	2498	2815	3742	4105	3462	4038	3778	3080
51	1979 Federal Report Surplus Deficit	2122	1833	2003	855	1669	1741	2003	1141	3769	2575	3314	4257	3073	1710
52	1980 Federal Report Surplus Deficit	1509	1212	775	225	1518	1102	1589	1354	2437	3570	3543	4289	4286	2232
53	1981 Federal Report Surplus Deficit	1911	1307	918	401	1499	3420	3161	3555	3879	1222	3269	4211	4557	3056
54	1982 Federal Report Surplus Deficit	2605	3086	1762	267	1887	2697	3354	3982	4340	4146	3795	4199	4577	3361
55	1983 Federal Report Surplus Deficit	2703	3120	3284	1546	2023	2925	3558	3883	4445	4076	3548	4196	4372	3419
56	1984 Federal Report Surplus Deficit	2568	2993	1923	401	3625	2905	3138	3833	4368	4126	3944	4265	4726	3376
57	1985 Federal Report Surplus Deficit	2666	2755	1556	460	1910	2280	2003	2049	3517	3822	3708	4260	3722	1298
58	1986 Federal Report Surplus Deficit	1307	775	582	1417	2990	2109	2877	3814	4362	4063	3818	4116	4386	2604

Federal Report Surplus Deficit By Water Year

Operating Year 2017

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	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	1987 Federal Report Surplus Deficit	2246	1687	657	-57.5	1397	2375	1797	1173	3361	2066	2999	4161	3489	1925
60	1988 Federal Report Surplus Deficit	1396	878	396	49.2	1389	1077	296	-182	2318	1254	2967	3890	2720	2517
61	1989 Federal Report Surplus Deficit	1930	1359	464	15.5	1130	2145	911	162	3489	3922	3878	4180	3749	1735
62	1990 Federal Report Surplus Deficit	1613	1385	651	131	2037	2385	2598	3365	4106	3407	4087	4160	4442	2672
63	1991 Federal Report Surplus Deficit	2494	2555	794	-281	3313	3135	3201	3909	4103	3852	3435	4233	4311	3239
64	1992 Federal Report Surplus Deficit	2555	3028	932	-111	1480	1546	1394	1187	3249	1234	2264	3768	1959	1855
65	1993 Federal Report Surplus Deficit	1448	856	2.79	189	1432	1667	-97.9	-331	3177	1963	2994	4222	4188	2441
66	1994 Federal Report Surplus Deficit	2150	1915	786	42.9	1911	1530	372	638	2152	781	2901	4069	3391	2296
67	1995 Federal Report Surplus Deficit	1833	1122	356	-66.6	1061	1713	1267	2936	4236	2986	2885	4098	4403	2805
68	1996 Federal Report Surplus Deficit	2190	2053	1264	1792	3920	3656	3667	4110	4325	4136	4206	4269	4499	3469
69	1997 Federal Report Surplus Deficit	2646	3070	878	115	1783	2893	3813	3981	4343	3981	4187	4201	4665	3567
70	1998 Federal Report Surplus Deficit	2735	3108	3229	3182	3047	2761	2387	2472	3506	2731	3471	4210	4604	2943
71	1999 Federal Report Surplus Deficit	2674	2443	946	98.1	1115	2577	3626	3896	4379	3852	3824	4271	4710	3584
72	2000 Federal Report Surplus Deficit	2786	3169	2305	441	3651	3290	2772	3063	4134	4118	3970	4219	4019	2827
73	2001 Federal Report Surplus Deficit	2436	1280	739	161	1477	1265	741	755	2394	208	2512	3614	-632	1975
74	2002 Federal Report Surplus Deficit	1559	1000	39.1	-444	1055	1694	818	1237	2796	3478	3813	4093	4456	3301
75	2003 Federal Report Surplus Deficit	2508	2194	856	-304	1790	1449	780	829	3989	3516	3414	4050	4453	1831
76	2004 Federal Report Surplus Deficit	1411	961	298	352	1621	2509	1294	291	3313	2932	3105	4116	3770	2023
77	2005 Federal Report Surplus Deficit	1505	1298	1962	463	1620	2543	2067	2204	3022	1308	2875	4004	4012	2248
78	2006 Federal Report Surplus Deficit	2167	1542	836	305	1564	2070	2545	3881	4034	4038	4088	4241	4467	2651
79	2007 Federal Report Surplus Deficit	2146	1783	552	-271	2051	2084	2786	2181	4367	3931	3506	4218	3776	2863
80	2008 Federal Report Surplus Deficit	1974	1272	244	364	1442	1829	1417	1417	3140	2843	1861	4205	4751	3085
Ranked Averages															
81	**Bottom 10 pct**	**1411**	**902**	**580**	**294**	**1568**	**1879**	**1267**	**1196**	**3292**	**2904**	**3331**	**4117**	**3960**	**2463**
82	**Middle 80 pct**	**2224**	**2079**	**979**	**422**	**1827**	**2285**	**2293**	**2521**	**3635**	**3035**	**3275**	**4123**	**3930**	**2730**
83	**Top 10 pct**	**2730**	**3023**	**2934**	**1297**	**2433**	**2594**	**2648**	**2736**	**3705**	**3062**	**3483**	**4069**	**3906**	**3117**

Federal Report Surplus Deficit By Water Year

Operating Year 2018

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	2175	2385	675	193	1231	1098	907	554	838	413	2212	3746	4186	1135
2	1930 Federal Report Surplus Deficit	1708	1426	705	135	1234	1218	298	791	959	1036	2682	3957	1783	2386
3	1931 Federal Report Surplus Deficit	1888	1306	130	61.4	1445	1142	-53.6	-489	744	1540	583	4417	2796	2137
4	1932 Federal Report Surplus Deficit	1272	561	467	-98.7	680	1087	-49.2	-492	3446	4014	3667	4848	5288	2583
5	1933 Federal Report Surplus Deficit	2315	2591	1063	255	722	2135	2456	3316	3378	3337	3034	4748	5548	3550
6	1934 Federal Report Surplus Deficit	2345	2959	998	1244	3131	3761	3972	3889	3975	3807	3697	4637	4491	2418
7	1935 Federal Report Surplus Deficit	1573	1220	70.4	213	600	1898	2633	2892	3526	2605	2633	4653	4472	2985
8	1936 Federal Report Surplus Deficit	2431	2029	524	30.0	1084	1128	555	-15.1	1327	2033	3618	4883	5061	2191
9	1937 Federal Report Surplus Deficit	1985	1283	388	11.5	1430	1120	361	-343	819	904	660	4428	3381	1943
10	1938 Federal Report Surplus Deficit	1777	1161	314	244	769	2163	2512	2453	3400	4052	3810	4789	5065	2792
11	1939 Federal Report Surplus Deficit	1991	1533	914	331	1030	1169	1637	1270	2070	3212	3307	4793	3255	2091
12	1940 Federal Report Surplus Deficit	1446	1045	266	470	1548	2074	1582	456	3969	3314	2903	4738	3687	2043
13	1941 Federal Report Surplus Deficit	1709	990	100	260	1020	1970	765	490	1315	1195	1939	4360	3479	2334
14	1942 Federal Report Surplus Deficit	1733	1201	201	55.5	1787	2236	2252	1857	2555	2026	3095	4449	4617	3094
15	1943 Federal Report Surplus Deficit	2205	1945	1457	354	619	1746	2909	3525	3836	4109	4045	4714	5454	2747
16	1944 Federal Report Surplus Deficit	2219	2101	617	-126	1200	1092	927	607	781	412	2194	3200	1718	1784
17	1945 Federal Report Surplus Deficit	1533	691	-142	235	1180	702	229	312	885	263	201	4795	4959	1579
18	1946 Federal Report Surplus Deficit	2089	1657	567	-24.6	956	2084	2280	2366	3520	3941	3835	4798	5118	3017
19	1947 Federal Report Surplus Deficit	2402	2426	997	-170	1276	3513	3694	3850	4088	3664	3223	4799	5110	3106
20	1948 Federal Report Surplus Deficit	2224	1873	892	2915	2861	2756	3770	3288	3380	3597	3664	4994	5497	3405
21	1949 Federal Report Surplus Deficit	2442	2968	2265	250	1155	1782	2546	1657	4043	4015	3708	4864	5122	1537
22	1950 Federal Report Surplus Deficit	1506	1010	261	44.0	1084	1777	3754	3367	3943	4192	3643	4816	5348	3206
23	1951 Federal Report Surplus Deficit	2464	2973	1099	1155	3094	3598	4009	4072	4136	4183	3693	4758	4964	3347
24	1952 Federal Report Surplus Deficit	2532	2912	1055	2408	2153	2769	3493	3773	3641	4186	3918	4927	5251	2837
25	1953 Federal Report Surplus Deficit	2135	1790	319	-136	912	1169	2179	2326	3246	2780	2993	4807	5581	3281
26	1954 Federal Report Surplus Deficit	2292	2222	923	119	1438	2360	3390	3692	3949	3744	3348	4811	5206	3734
27	1955 Federal Report Surplus Deficit	2629	2956	3688	314	2336	2027	1607	1073	1590	1857	2810	4768	5467	3865
28	1956 Federal Report Surplus Deficit	2372	2761	672	520	2777	3529	4061	3924	3779	3860	3911	4854	5548	3366
29	1957 Federal Report Surplus Deficit	2437	2930	917	432	1111	2434	2474	2031	3409	4145	3293	4941	5449	2973
30	1958 Federal Report Surplus Deficit	2305	2180	722	129	1277	1539	2780	2412	3583	3635	3521	4894	5278	2600
31	1959 Federal Report Surplus Deficit	1925	1842	671	406	1805	3254	3984	4013	3906	3916	3324	4589	5295	2924
32	1960 Federal Report Surplus Deficit	2598	2995	3636	3154	3127	3127	3214	2539	3417	3979	3674	4800	5094	2836
33	1961 Federal Report Surplus Deficit	2300	1730	608	221	1137	1945	3147	2819	4018	3854	2978	4745	5342	2795
34	1962 Federal Report Surplus Deficit	2244	2198	441	-37.1	1228	1547	2604	2567	1893	4019	3838	4787	5210	1798
35	1963 Federal Report Surplus Deficit	2024	1743	560	865	2100	3080	3017	2992	3267	2583	2798	4776	4850	2879
36	1964 Federal Report Surplus Deficit	2157	1846	1116	-61.3	881	1871	1894	1362	1903	3889	2867	4779	5556	3677
37	1965 Federal Report Surplus Deficit	2428	2892	1883	1214	1961	3581	4021	3992	3857	3442	3702	4764	4896	3129
38	1966 Federal Report Surplus Deficit	2473	2891	470	471	1615	2070	2474	2011	2000	4042	3227	4659	4630	2945
39	1967 Federal Report Surplus Deficit	2347	1800	699	-94.0	1000	2094	3759	3829	3963	2926	1126	4658	5280	3294
40	1968 Federal Report Surplus Deficit	2478	2690	949	171	1687	2077	3196	3102	3902	2351	2247	4323	4988	3076
41	1969 Federal Report Surplus Deficit	2418	2568	2452	1340	2864	2789	3997	3831	3794	3968	3683	4899	5206	3076
42	1970 Federal Report Surplus Deficit	2395	2321	904	175	1441	1468	2474	2913	3201	3340	1954	4715	5308	2638
43	1971 Federal Report Surplus Deficit	1771	1453	562	-110	1112	1652	3997	3939	4253	4160	3647	4875	5515	3657
44	1972 Federal Report Surplus Deficit	2688	3012	1750	553	1297	2347	3829	3483	3871	4115	3582	4880	5468	3638
45	1973 Federal Report Surplus Deficit	2580	2889	2461	461	1371	2076	2670	1736	1200	-259	1776	4383	3387	1998
46	1974 Federal Report Surplus Deficit	1804	956	81.2	103	672	2887	3899	3780	3783	3828	3858	4836	5442	3893
47	1975 Federal Report Surplus Deficit	2543	2918	2348	-207	1255	1714	2380	2946	3815	2736	2964	4789	5454	4032
48	1976 Federal Report Surplus Deficit	2458	2756	1561	1579	3079	3816	3943	4033	4082	4016	3737	4853	5165	3506
49	1977 Federal Report Surplus Deficit	2681	2995	3771	572	1299	987	860	786	1191	-282	2048	3039	692	1842
50	1978 Federal Report Surplus Deficit	1272	535	-192	-412	639	2599	2654	2656	3153	4084	3234	4583	4537	3139
51	1979 Federal Report Surplus Deficit	2054	1720	1797	715	1372	1563	2130	970	3103	2555	3076	4801	3899	1545
52	1980 Federal Report Surplus Deficit	1429	1120	609	112	1214	1012	1706	1178	1240	3549	3319	4922	5026	2193
53	1981 Federal Report Surplus Deficit	1844	1207	747	277	1193	3261	3415	3426	3408	1212	3032	4768	5354	3113
54	1982 Federal Report Surplus Deficit	2517	2980	1571	157	1608	2495	3605	3799	4099	4126	3575	4766	5337	3410
55	1983 Federal Report Surplus Deficit	2614	3020	3044	1404	1752	2730	3833	3701	4157	4056	3318	4741	5105	3467
56	1984 Federal Report Surplus Deficit	2478	2894	1727	282	3222	2708	3354	3707	4075	4101	3721	4810	5514	3424
57	1985 Federal Report Surplus Deficit	2577	2634	1373	343	1629	2076	2130	1873	2821	3801	3488	4807	4504	1033
58	1986 Federal Report Surplus Deficit	1224	702	416	1274	2738	1909	3062	3684	4075	4043	3599	4681	5121	2634

Federal Report Surplus Deficit By Water Year

Operating Year 2018

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308Continued

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	1987 Federal Report Surplus Deficit	2178	1580	490	-143	1077	2170	1916	1000	2576	2049	2753	4731	4272	1824
60	1988 Federal Report Surplus Deficit	1315	798	228	-59.0	1084	988	507	-294	1076	1246	2723	4389	3569	2536
61	1989 Federal Report Surplus Deficit	1863	1260	296	-79.8	800	1944	1054	25.1	2691	3901	3657	4734	4526	1575
62	1990 Federal Report Surplus Deficit	1540	1287	485	27.3	1774	2180	2765	3229	3746	3385	3855	4717	5175	2711
63	1991 Federal Report Surplus Deficit	2414	2434	627	-342	2999	2955	3439	3799	3802	3832	3205	4780	5044	3289
64	1992 Federal Report Surplus Deficit	2467	2918	764	-193	1169	1386	1512	1013	2433	1225	2009	4228	2826	1738
65	1993 Federal Report Surplus Deficit	1368	772	-171	68.6	1122	1494	177	-434	2230	1947	2747	4779	4933	2444
66	1994 Federal Report Surplus Deficit	2083	1803	620	-53.5	1640	1361	570	478	845	780	2654	4640	4182	2274
67	1995 Federal Report Surplus Deficit	1763	1029	190	-167	731	1535	1392	2774	3960	2965	2636	4667	5143	2854
68	1996 Federal Report Surplus Deficit	2122	1937	1091	1654	3052	3531	3848	3927	4040	4115	3967	4830	5258	3507
69	1997 Federal Report Surplus Deficit	2556	2964	711	15.1	1492	2697	4082	3835	4059	3889	3949	4771	5460	3601
70	1998 Federal Report Surplus Deficit	2647	3009	2990	3088	2789	2560	2531	2303	2784	2710	3235	4833	5378	3004
71	1999 Federal Report Surplus Deficit	2585	2322	778	2.37	785	2373	3917	3713	4091	3831	3604	4816	5497	3623
72	2000 Federal Report Surplus Deficit	2698	3074	2095	318	3207	3117	2954	2909	3715	4098	3743	4787	4779	2881
73	2001 Federal Report Surplus Deficit	2359	1188	572	56.8	1170	1126	881	590	1206	214	2259	4001	243	1867
74	2002 Federal Report Surplus Deficit	1482	916	-156	-505	726	1520	968	1061	1740	3456	3594	4661	5198	3355
75	2003 Federal Report Surplus Deficit	2432	2076	689	-373	1511	1298	933	663	3483	3494	3181	4621	5188	1677
76	2004 Federal Report Surplus Deficit	1328	884	128	225	1329	2305	1416	148	2524	2910	2862	4687	4533	1926
77	2005 Federal Report Surplus Deficit	1427	1200	1758	337	1320	2339	2205	2031	2110	1297	2631	4559	4765	2197
78	2006 Federal Report Surplus Deficit	2100	1443	670	182	1259	1871	2706	3760	3676	4014	3859	4892	5205	2673
79	2007 Federal Report Surplus Deficit	2079	1674	385	-332	1785	1886	2972	2007	4151	3910	3277	4777	4550	2914
80	2008 Federal Report Surplus Deficit	1906	1180	70.4	236	1133	1644	1536	1239	2221	2822	1603	4781	5554	3144
Ranked Averages															
81	**Bottom 10 pct**	**1329**	**821**	**405**	**181**	**1266**	**1717**	**1460**	**1060**	**2482**	**2886**	**3098**	**4681**	**4722**	**2456**
82	**Middle 80 pct**	**2147**	**1972**	**804**	**310**	**1511**	**2111**	**2485**	**2365**	**3032**	**3013**	**3038**	**4669**	**4709**	**2726**
83	**Top 10 pct**	**2643**	**2923**	**2719**	**1176**	**2074**	**2408**	**2843**	**2563**	**3102**	**3045**	**3252**	**4583**	**4685**	**3145**

Federal Report Surplus Deficit By Water Year

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	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	2196	2394	794	55.4	1325	1304	983	678	817	328	2274	2737	3154	1114
2	1930 Federal Report Surplus Deficit	1707	1558	823	-3.05	1316	1424	381	915	942	965	2744	2998	699	2195
3	1931 Federal Report Surplus Deficit	1897	1439	250	-73.1	1501	1317	30.6	-334	714	1481	647	3542	1731	1964
4	1932 Federal Report Surplus Deficit	1243	762	587	-239	843	1294	34.3	-338	3501	3977	3758	4008	4327	2385
5	1933 Federal Report Surplus Deficit	2338	2580	1168	123	954	2194	2503	3436	3430	3298	3099	3935	4596	3400
6	1934 Federal Report Surplus Deficit	2365	2904	1105	1165	3369	3822	3978	3938	3979	3783	3790	3817	3489	2221
7	1935 Federal Report Surplus Deficit	1564	1357	191	87.1	890	1982	2676	3008	3573	2562	2696	3832	3456	2797
8	1936 Federal Report Surplus Deficit	2451	2097	644	-113	1186	1328	637	123	1332	1983	3703	4042	4081	2010
9	1937 Federal Report Surplus Deficit	1998	1430	508	-133	1489	1304	443	-195	789	828	725	3544	2323	1796
10	1938 Federal Report Surplus Deficit	1784	1311	434	112	982	2221	2558	2566	3456	4015	3902	3965	4087	2590
11	1939 Federal Report Surplus Deficit	2003	1660	1026	203	1151	1395	1703	1384	2100	3172	3375	3978	2201	1925
12	1940 Federal Report Surplus Deficit	1439	1197	387	355	1601	2130	1646	585	4003	3275	2968	3918	2643	1880
13	1941 Federal Report Surplus Deficit	1704	1158	221	137	1134	2043	845	615	1321	1131	2001	3507	2432	2142
14	1942 Federal Report Surplus Deficit	1739	1348	321	-75.6	1830	2288	2304	1969	2608	1975	3162	3617	3622	2921
15	1943 Federal Report Surplus Deficit	2228	2005	1536	228	910	1851	2946	3644	3878	4084	4152	3887	4499	2548
16	1944 Federal Report Surplus Deficit	2241	2147	737	-282	1300	1312	1003	729	751	328	2255	2113	634	1656
17	1945 Federal Report Surplus Deficit	1529	877	-29.5	104	1270	988	313	447	854	170	264	3978	3974	1503
18	1946 Federal Report Surplus Deficit	2105	1772	688	-173	1113	2148	2332	2478	3574	3902	3934	3971	4141	2829
19	1947 Federal Report Surplus Deficit	2413	2431	1103	-326	1367	3560	3710	3936	4099	3626	3291	3975	4145	2927
20	1948 Federal Report Surplus Deficit	2245	1955	1004	2927	2957	2787	3785	3407	3435	3559	3753	4152	4546	3251
21	1949 Federal Report Surplus Deficit	2461	2923	2308	117	1262	1880	2587	1770	4070	3977	3794	4029	4144	1455
22	1950 Federal Report Surplus Deficit	1490	1181	377	-99.3	1208	1863	3718	3415	3909	4159	3722	3993	4386	3026
23	1951 Federal Report Surplus Deficit	2484	2918	1204	1067	3229	3648	3951	4121	4103	4150	3781	3932	3981	3189
24	1952 Federal Report Surplus Deficit	2551	2858	1161	2395	2196	2800	3513	3894	3692	4153	4018	4084	4287	2644
25	1953 Federal Report Surplus Deficit	2157	1882	437	-290	1055	1360	2234	2438	3302	2739	3058	3988	4631	3116
26	1954 Federal Report Surplus Deficit	2314	2258	1035	-20.6	1507	2405	3414	3813	3981	3707	3419	3985	4240	3600
27	1955 Federal Report Surplus Deficit	2653	2931	3699	183	2386	2086	1673	1189	1609	1804	2873	3953	4512	3732
28	1956 Federal Report Surplus Deficit	2391	2721	790	396	2861	3576	4003	3973	3745	3758	4010	4016	4597	3207
29	1957 Federal Report Surplus Deficit	2457	2874	1029	307	1229	2476	2518	2143	3466	4114	3363	4112	4500	2783
30	1958 Federal Report Surplus Deficit	2327	2222	839	-11.9	1358	1680	2819	2524	3629	3598	3598	4053	4318	2401
31	1959 Federal Report Surplus Deficit	1936	1924	788	281	1851	3290	3995	4061	3934	3879	3394	3774	4338	2731
32	1960 Federal Report Surplus Deficit	2619	2943	3681	3158	3371	3165	3237	2652	3472	3959	3760	3987	4117	2644
33	1961 Federal Report Surplus Deficit	2322	1831	727	87.7	1246	2022	3173	2932	4046	3816	3043	3922	4386	2601
34	1962 Federal Report Surplus Deficit	2265	2238	561	-183	1320	1684	2648	2680	1923	3990	3935	3966	4245	1671
35	1963 Federal Report Surplus Deficit	2043	1840	681	762	2142	3113	3045	3107	3322	2539	2862	3960	3859	2689
36	1964 Federal Report Surplus Deficit	2179	1914	1219	-210	1051	1956	1955	1476	1933	3852	2931	3961	4605	3539
37	1965 Federal Report Surplus Deficit	2448	2840	1947	1134	2003	3632	3963	4040	3823	3403	3801	3931	3922	2952
38	1966 Federal Report Surplus Deficit	2494	2846	589	351	1664	2126	2521	2122	2032	4010	3295	3825	3627	2755
39	1967 Federal Report Surplus Deficit	2368	1890	814	-238	1138	2158	3774	3878	3929	2886	1189	3843	4324	3130
40	1968 Federal Report Surplus Deficit	2497	2658	1056	37.6	1736	2134	3225	3218	3925	2306	2309	3426	4021	2896
41	1969 Federal Report Surplus Deficit	2437	2534	2476	1274	2960	2821	4008	3880	3760	3865	3775	4059	4228	2892
42	1970 Federal Report Surplus Deficit	2415	2345	1018	34.5	1508	1619	2522	3029	3258	3301	2016	3901	4351	2439
43	1971 Federal Report Surplus Deficit	1772	1584	680	-257	1230	1770	3951	3988	4250	4126	3734	4034	4562	3521
44	1972 Federal Report Surplus Deficit	2712	2960	1824	430	1387	2394	3771	3531	3837	4088	3660	4039	4516	3497
45	1973 Federal Report Surplus Deficit	2606	2853	2494	338	1444	2145	2713	1847	1198	-365	1838	3498	2337	1843
46	1974 Federal Report Surplus Deficit	1808	1121	202	-31.8	949	2918	3928	3844	3749	3725	3956	3992	4486	3764
47	1975 Federal Report Surplus Deficit	2566	2876	2391	-363	1347	1829	2431	3061	3861	2694	3029	3969	4502	3909
48	1976 Federal Report Surplus Deficit	2477	2710	1642	1517	3211	3881	3955	4082	4072	3986	3830	4015	4193	3360
49	1977 Federal Report Surplus Deficit	2704	2981	3831	455	1375	1184	936	904	1192	-385	2110	1974	-406	1704
50	1978 Federal Report Surplus Deficit	1252	730	-96.3	-569	910	2634	2696	2769	3210	4051	3305	3763	3535	2962
51	1979 Federal Report Surplus Deficit	2072	1813	1855	608	1446	1695	2184	1088	3160	2510	3141	3976	2860	1454
52	1980 Federal Report Surplus Deficit	1409	1282	729	-26.1	1299	1295	1772	1294	1238	3511	3393	4080	4061	2020
53	1981 Federal Report Surplus Deficit	1857	1349	858	147	1283	3298	3434	3547	3460	1148	3099	3954	4402	2942
54	1982 Federal Report Surplus Deficit	2536	2924	1652	16.7	1661	2534	3624	3848	4111	4090	3652	3929	4380	3256
55	1983 Federal Report Surplus Deficit	2635	2972	3052	1330	1799	2763	3830	3750	4124	4019	3387	3914	4132	3315
56	1984 Federal Report Surplus Deficit	2499	2849	1800	148	3388	2742	3380	3829	4106	4075	3814	3984	4562	3271
57	1985 Federal Report Surplus Deficit	2596	2620	1464	208	1684	2141	2184	1985	2877	3764	3565	3978	3488	1021
58	1986 Federal Report Surplus Deficit	1191	895	537	1193	2817	1988	3096	3804	4104	4008	3684	3867	4151	2436

Federal Report Surplus Deficit By Water Year

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	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	1987 Federal Report Surplus Deficit	2198	1700	608	-295	1206	2227	1976	1117	2628	1999	2817	3915	3256	1687
60	1988 Federal Report Surplus Deficit	1292	980	346	-200	1170	1276	590	-146	1066	1179	2786	3503	2517	2338
61	1989 Federal Report Surplus Deficit	1871	1407	414	-228	999	2021	1130	162	2742	3864	3747	3918	3513	1481
62	1990 Federal Report Surplus Deficit	1534	1435	606	-116	1818	2229	2804	3348	3787	3347	3955	3903	4204	2512
63	1991 Federal Report Surplus Deficit	2435	2442	746	-498	3125	2987	3460	3924	3834	3794	3275	3960	4072	3133
64	1992 Federal Report Surplus Deficit	2487	2863	879	-346	1269	1554	1578	1129	2483	1161	2071	3316	1762	1613
65	1993 Federal Report Surplus Deficit	1348	949	-59.9	-64.0	1220	1635	261	-281	2268	1894	2810	3965	3941	2251
66	1994 Federal Report Surplus Deficit	2099	1900	741	-201	1687	1511	652	603	822	703	2717	3822	3162	2092
67	1995 Federal Report Surplus Deficit	1764	1190	311	-313	936	1669	1463	2887	3988	2924	2699	3841	4179	2656
68	1996 Federal Report Surplus Deficit	2141	2016	1198	1597	3315	3563	3790	3976	4067	4082	4071	3995	4301	3365
69	1997 Federal Report Surplus Deficit	2576	2909	830	-131	1558	2730	4041	3926	4024	3786	4052	3933	4508	3460
70	1998 Federal Report Surplus Deficit	2670	2964	2999	3106	2875	2597	2577	2415	2839	2668	3302	3990	4426	2801
71	1999 Federal Report Surplus Deficit	2604	2360	895	-146	1003	2418	3908	3761	4058	3794	3681	3992	4544	3479
72	2000 Federal Report Surplus Deficit	2720	3038	2147	188	3387	3149	2989	3024	3763	4064	3839	3972	3777	2688
73	2001 Federal Report Surplus Deficit	2381	1348	692	-87.0	1261	1330	956	713	1207	125	2321	3044	-861	1735
74	2002 Federal Report Surplus Deficit	1469	1092	-75.9	-661	941	1662	1045	1177	1763	3418	3680	3835	4235	3191
75	2003 Federal Report Surplus Deficit	2454	2148	808	-531	1564	1483	1011	785	3537	3456	3249	3802	4219	1579
76	2004 Federal Report Surplus Deficit	1295	1071	243	98.8	1397	2352	1486	282	2576	2869	2926	3868	3528	1787
77	2005 Federal Report Surplus Deficit	1410	1350	1818	210	1398	2384	2254	2143	2151	1236	2694	3745	3767	2030
78	2006 Federal Report Surplus Deficit	2113	1588	789	51.3	1346	1956	2747	3882	3717	3988	3957	4050	4238	2476
79	2007 Federal Report Surplus Deficit	2093	1789	505	-488	1830	1970	3006	2119	4164	3873	3347	3964	3540	2719
80	2008 Federal Report Surplus Deficit	1912	1342	181	110	1229	1760	1604	1354	2261	2780	1665	3941	4603	2961

Ranked Averages

81	**Bottom 10 pct**	**1305**	**1002**	**513**	**50.4**	**1382**	**1857**	**1524**	**1191**	**2514**	**2841**	**3170**	**3850**	**3728**	**2276**
82	**Middle 80 pct**	**2161**	**2026**	**885**	**175**	**1616**	**2211**	**2541**	**2500**	**3096**	**3029**	**3143**	**3833**	**3756**	**2594**
83	**Top 10 pct**	**2665**	**2955**	**2966**	**1149**	**2253**	**2435**	**2716**	**2414**	**2754**	**2481**	**3096**	**3666**	**3426**	**2778**

Federal Report Surplus Deficit By Water Year

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	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	2225	2268	585	28.7	733	1204	901	556	899	388	2267	3618	3930	756
2	1930 Federal Report Surplus Deficit	1691	1341	614	-26.5	742	1324	291	792	1012	1003	2734	3851	1525	2044
3	1931 Federal Report Surplus Deficit	1907	1223	42.7	-109	979	1217	-66.3	-504	815	1492	611	4342	2536	1796
4	1932 Federal Report Surplus Deficit	1163	598	379	-255	166	1194	-65.5	-509	3293	3862	3672	4799	5032	2239
5	1933 Federal Report Surplus Deficit	2365	2478	955	80.1	210	2087	2430	3318	3215	3205	3078	4684	5281	3204
6	1934 Federal Report Surplus Deficit	2365	2855	892	1019	3120	3688	3895	3817	3771	3726	3704	4571	4239	2074
7	1935 Federal Report Surplus Deficit	1529	1140	-16.3	26.9	98.6	1878	2604	2897	3353	2512	2686	4591	4219	2630
8	1936 Federal Report Surplus Deficit	2454	1913	437	-118	582	1227	548	-21.0	1344	1968	3626	4836	4808	1850
9	1937 Federal Report Surplus Deficit	2015	1214	300	-132	960	1204	354	-355	889	874	686	4350	3122	1599
10	1938 Federal Report Surplus Deficit	1789	1095	226	69.5	255	2113	2486	2460	3257	3899	3817	4724	4812	2446
11	1939 Federal Report Surplus Deficit	2016	1444	814	149	522	1295	1626	1276	2039	3096	3343	4728	2996	1750
12	1940 Federal Report Surplus Deficit	1412	981	179	268	1090	2022	1570	455	3779	3187	2949	4677	3430	1701
13	1941 Federal Report Surplus Deficit	1680	949	12.9	69.0	514	1937	759	491	1331	1155	1994	4292	3221	1992
14	1942 Federal Report Surplus Deficit	1742	1131	114	-121	1358	2179	2231	1865	2462	1965	3132	4386	4366	2737
15	1943 Federal Report Surplus Deficit	2253	1827	1312	167	117	1749	2875	3527	3655	4024	4079	4650	5191	2398
16	1944 Federal Report Surplus Deficit	2269	1982	529	-231	699	1211	921	609	852	386	2249	3036	1460	1437
17	1945 Federal Report Surplus Deficit	1508	685	-240	59.3	684	886	218	308	955	239	210	4732	4705	1233
18	1946 Federal Report Surplus Deficit	2126	1560	481	-156	442	2042	2259	2373	3365	3789	3855	4734	4864	2661
19	1947 Federal Report Surplus Deficit	2423	2310	890	-272	779	3425	3637	3815	3885	3525	3259	4734	4856	2749
20	1948 Federal Report Surplus Deficit	2266	1760	792	2764	2623	2668	3712	3291	3228	3454	3671	4970	5230	3054
21	1949 Federal Report Surplus Deficit	2442	2850	2071	76.9	651	1777	2515	1665	3848	3861	3715	4807	4865	1208
22	1950 Federal Report Surplus Deficit	1438	974	169	-104	575	1759	3635	3294	3690	4059	3655	4750	5092	2850
23	1951 Federal Report Surplus Deficit	2464	2869	989	932	2927	3512	3868	4000	3883	4046	3697	4693	4714	2996
24	1952 Federal Report Surplus Deficit	2541	2810	947	2216	1764	2681	3441	3774	3476	4053	3934	4891	4995	2488
25	1953 Federal Report Surplus Deficit	2186	1681	229	-248	400	1260	2160	2334	3107	2677	3040	4741	5310	2927
26	1954 Federal Report Surplus Deficit	2342	2103	823	-37.8	956	2294	3342	3693	3758	3600	3375	4746	4952	3412
27	1955 Federal Report Surplus Deficit	2631	2816	3456	137	1985	1979	1597	1079	1584	1799	2860	4706	5205	3548
28	1956 Federal Report Surplus Deficit	2378	2656	582	329	2515	3441	3920	3852	3526	3683	3926	4801	5281	3015
29	1957 Federal Report Surplus Deficit	2439	2827	818	245	604	2363	2446	2039	3268	4020	3324	4921	5177	2618
30	1958 Federal Report Surplus Deficit	2354	2061	630	-26.5	787	1579	2748	2420	3408	3489	3536	4853	5020	2254
31	1959 Federal Report Surplus Deficit	1950	1730	579	219	1364	3160	3920	3941	3712	3763	3354	4524	5035	2570
32	1960 Federal Report Surplus Deficit	2597	2884	3452	3057	3123	3034	3165	2546	3269	3934	3678	4737	4842	2482
33	1961 Federal Report Surplus Deficit	2348	1625	519	47.8	632	1917	3102	2826	3824	3701	3025	4679	5081	2442
34	1962 Federal Report Surplus Deficit	2294	2079	353	-176	730	1583	2576	2574	1862	3915	3849	4722	4955	1450
35	1963 Federal Report Surplus Deficit	2072	1635	473	650	1706	2987	2973	2998	3116	2499	2848	4714	4599	2524
36	1964 Federal Report Surplus Deficit	2207	1730	1004	-191	367	1852	1880	1369	1872	3736	2917	4714	5288	3350
37	1965 Federal Report Surplus Deficit	2433	2780	1717	989	1546	3495	3880	3920	3604	3314	3717	4704	4644	2771
38	1966 Federal Report Surplus Deficit	2473	2772	380	275	1162	2017	2449	2019	1965	3912	3260	4596	4378	2590
39	1967 Federal Report Surplus Deficit	2381	1690	605	-240	488	2052	3701	3757	3710	2820	1167	4593	5019	2940
40	1968 Federal Report Surplus Deficit	2487	2582	843	-1.40	1233	2025	3153	3107	3705	2269	2302	4240	4734	2719
41	1969 Federal Report Surplus Deficit	2435	2461	2233	1115	2628	2701	3925	3759	3541	3790	3689	4852	4948	2718
42	1970 Federal Report Surplus Deficit	2418	2203	807	21.0	961	1518	2449	2918	3058	3215	2007	4651	5049	2292
43	1971 Federal Report Surplus Deficit	1764	1367	472	-244	604	1669	3868	3867	4050	4018	3651	4830	5249	3323
44	1972 Federal Report Surplus Deficit	2690	2904	1598	361	801	2284	3688	3410	3618	4025	3596	4832	5202	3305
45	1973 Federal Report Surplus Deficit	2584	2762	2254	271	886	2039	2641	1743	1231	-285	1829	4304	3129	1655
46	1974 Federal Report Surplus Deficit	1807	911	-5.65	-65.7	166	2797	3847	3723	3530	3650	3871	4783	5182	3584
47	1975 Federal Report Surplus Deficit	2544	2796	2154	-308	758	1727	2358	2951	3639	2637	3011	4723	5188	3746
48	1976 Federal Report Surplus Deficit	2461	2652	1419	1354	2908	3742	3881	3961	3852	3905	3743	4801	4910	3164
49	1977 Federal Report Surplus Deficit	2682	2844	3610	373	811	1084	854	790	1218	-306	2103	2859	437	1496
50	1978 Federal Report Surplus Deficit	1189	555	-312	-489	132	2518	2624	2662	3016	3953	3262	4518	4286	2782
51	1979 Federal Report Surplus Deficit	2099	1611	1624	505	887	1594	2111	974	2983	2472	3119	4736	3642	1188
52	1980 Federal Report Surplus Deficit	1350	1069	521	-48.6	720	1193	1695	1184	1268	3407	3339	4889	4771	1852
53	1981 Federal Report Surplus Deficit	1873	1132	646	97.2	697	3168	3361	3428	3246	1173	3073	4704	5086	2757
54	1982 Federal Report Surplus Deficit	2524	2875	1429	2.97	1148	2420	3552	3727	3899	3978	3589	4711	5077	3061
55	1983 Federal Report Surplus Deficit	2613	2904	2803	1178	1304	2645	3747	3629	3904	3903	3350	4677	4852	3119
56	1984 Federal Report Surplus Deficit	2478	2775	1574	110	3105	2624	3309	3709	3883	4010	3732	4745	5249	3076
57	1985 Federal Report Surplus Deficit	2579	2522	1246	174	1164	2034	2111	1881	2708	3652	3502	4743	4250	644
58	1986 Federal Report Surplus Deficit	1102	714	329	1049	2466	1883	3025	3686	3880	3901	3606	4618	4866	2290

Federal Report Surplus Deficit By Water Year

Operating Year 2020

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308Continued

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	1987 Federal Report Surplus Deficit	2226	1486	400	-260	566	2119	1901	1005	2485	1986	2805	4669	4019	1479
60	1988 Federal Report Surplus Deficit	1225	785	138	-212	590	1174	500	-305	1119	1208	2773	4311	3311	2191
61	1989 Federal Report Surplus Deficit	1879	1190	205	-212	286	1916	1048	20.0	2603	3750	3661	4668	4273	1219
62	1990 Federal Report Surplus Deficit	1507	1219	399	-119	1344	2119	2732	3232	3564	3256	3871	4653	4923	2363
63	1991 Federal Report Surplus Deficit	2449	2317	538	-419	2817	2863	3389	3798	3611	3678	3237	4714	4792	2939
64	1992 Federal Report Surplus Deficit	2480	2816	670	-304	668	1453	1501	1018	2350	1185	2064	4140	2566	1390
65	1993 Federal Report Surplus Deficit	1286	748	-271	-105	622	1534	166	-447	2183	1890	2799	4714	4682	2101
66	1994 Federal Report Surplus Deficit	2122	1696	533	-187	1192	1411	564	479	909	751	2707	4578	3928	1933
67	1995 Federal Report Surplus Deficit	1754	977	103	-307	216	1568	1384	2781	3766	2861	2690	4604	4888	2501
68	1996 Federal Report Surplus Deficit	2168	1823	985	1430	3075	3444	3707	3855	3842	3978	3993	4772	4999	3170
69	1997 Federal Report Surplus Deficit	2556	2859	621	-125	1014	2613	3959	3804	3805	3711	3973	4717	5193	3270
70	1998 Federal Report Surplus Deficit	2648	2891	2750	2959	2531	2483	2505	2310	2678	2615	3275	4795	5114	2645
71	1999 Federal Report Surplus Deficit	2594	2203	685	-131	272	2307	3825	3641	3838	3679	3617	4751	5232	3283
72	2000 Federal Report Surplus Deficit	2698	2945	1913	140	3111	3023	2917	2915	3544	3961	3753	4724	4528	2528
73	2001 Federal Report Surplus Deficit	2403	1135	484	-89.3	673	1230	875	592	1231	190	2314	3896	-8.80	1520
74	2002 Federal Report Surplus Deficit	1424	889	-298	-582	212	1562	962	1067	1724	3324	3601	4599	4943	3001
75	2003 Federal Report Surplus Deficit	2477	1961	600	-465	1049	1382	927	666	3328	3360	3217	4559	4934	1327
76	2004 Federal Report Surplus Deficit	1206	881	33.9	39.3	848	2241	1408	145	2434	2809	2911	4625	4281	1580
77	2005 Federal Report Surplus Deficit	1359	1134	1588	152	831	2273	2181	2039	2053	1253	2680	4494	4513	1856
78	2006 Federal Report Surplus Deficit	2129	1371	581	3.32	765	1852	2675	3760	3494	3922	3872	4864	4950	2332
79	2007 Federal Report Surplus Deficit	2112	1577	298	-409	1347	1866	2935	2015	3949	3758	3306	4713	4298	2562
80	2008 Federal Report Surplus Deficit	1915	1130	-30.5	48.3	634	1658	1526	1246	2166	2724	1651	4727	5285	2788
Ranked Averages															
81	**Bottom 10 pct**	**1235**	**810**	**301**	**16.2**	**797**	**1751**	**1442**	**1057**	**2406**	**2786**	**3130**	**4621**	**4468**	**2112**
82	**Middle 80 pct**	**2163**	**1877**	**697**	**149**	**1073**	**2097**	**2445**	**2352**	**2905**	**2905**	**3068**	**4604**	**4451**	**2379**
83	**Top 10 pct**	**2644**	**2799**	**2534**	**1009**	**1742**	**2355**	**2787**	**2540**	**2956**	**2951**	**3279**	**4510**	**4426**	**2801**

Federal Report Surplus Deficit By Water Year

Operating Year 2021

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	2138	2362	668	-75.9	806	1202	591	354	881	311	2210	2693	3267	727
2	1930 Federal Report Surplus Deficit	1553	1467	685	-132	805	1323	-18.7	593	989	902	2687	2934	813	2143
3	1931 Federal Report Surplus Deficit	1799	1348	167	-211	1015	1209	-370	-509	801	1373	536	3429	1857	1879
4	1932 Federal Report Surplus Deficit	952	705	488	-362	295	1193	-367	-512	3209	3713	3666	3836	4269	2346
5	1933 Federal Report Surplus Deficit	2273	2563	986	-20.8	390	2064	2154	3046	3136	3058	3042	3734	4473	3297
6	1934 Federal Report Surplus Deficit	2233	2911	924	963	3126	3670	3678	3582	3735	3555	3696	3606	3558	2180
7	1935 Federal Report Surplus Deficit	1371	1266	138	-69.0	320	1856	2334	2606	3280	2369	2638	3658	3550	2740
8	1936 Federal Report Surplus Deficit	2328	2028	613	-227	662	1224	238	-129	1300	1835	3620	3875	4091	1940
9	1937 Federal Report Surplus Deficit	1915	1339	499	-242	999	1198	44.3	-400	876	782	610	3437	2449	1662
10	1938 Federal Report Surplus Deficit	1674	1220	449	-31.5	421	2090	2210	2161	3170	3750	3810	3755	4093	2558
11	1939 Federal Report Surplus Deficit	1912	1569	851	51.4	617	1297	1326	1008	1971	2949	3315	3772	2327	1828
12	1940 Federal Report Surplus Deficit	1261	1106	299	181	1122	1999	1273	286	3723	3040	2911	3744	2765	1775
13	1941 Federal Report Surplus Deficit	1534	1071	213	-24.5	604	1915	449	296	1285	1043	1934	3375	2556	2093
14	1942 Federal Report Surplus Deficit	1625	1256	255	-221	1375	2156	1947	1572	2375	1834	3103	3461	3678	2842
15	1943 Federal Report Surplus Deficit	2158	1940	1397	71.4	339	1730	2613	3251	3589	3853	4056	3680	4401	2510
16	1944 Federal Report Surplus Deficit	2179	2090	644	-348	777	1212	613	401	838	306	2193	2094	746	1485
17	1945 Federal Report Surplus Deficit	1364	801	159	-41.1	753	902	-87.4	179	942	174	127	3792	3991	1257
18	1946 Federal Report Surplus Deficit	2030	1684	634	-269	566	2019	1975	2074	3282	3640	3842	3764	4139	2771
19	1947 Federal Report Surplus Deficit	2299	2403	922	-389	850	3416	3409	3580	3855	3377	3231	3765	4106	2856
20	1948 Federal Report Surplus Deficit	2164	1879	830	2767	2620	2647	3487	3013	3144	3307	3665	4028	4419	3149
21	1949 Federal Report Surplus Deficit	2278	2905	2296	-24.7	735	1757	2248	1380	3800	3713	3709	3838	4138	1238
22	1950 Federal Report Surplus Deficit	1261	1095	476	-213	673	1738	3419	3060	3648	3903	3645	3783	4333	2957
23	1951 Federal Report Surplus Deficit	2296	2924	1021	869	2928	3503	3651	3765	3841	3892	3691	3724	4007	3093
24	1952 Federal Report Surplus Deficit	2392	2869	978	2212	1769	2661	3206	3509	3398	3897	3921	3938	4237	2600
25	1953 Federal Report Surplus Deficit	2096	1801	481	-364	513	1255	1873	2036	3019	2533	3001	3778	4491	3027
26	1954 Federal Report Surplus Deficit	2252	2208	860	-145	1006	2271	3101	3427	3704	3453	3355	3777	4205	3494
27	1955 Federal Report Surplus Deficit	2450	2877	3799	37.2	1984	1955	1296	824	1526	1671	2817	3764	4415	3631
28	1956 Federal Report Surplus Deficit	2226	2725	654	236	2511	3432	3703	3617	3483	3547	3913	3835	4469	3112
29	1957 Federal Report Surplus Deficit	2278	2883	855	149	697	2340	2174	1743	3180	3862	3301	3984	4350	2728
30	1958 Federal Report Surplus Deficit	2261	2168	689	-134	848	1566	2481	2121	3336	3342	3525	3895	4252	2362
31	1959 Federal Report Surplus Deficit	1846	1848	641	123	1386	3147	3704	3706	3663	3615	3332	3568	4256	2681
32	1960 Federal Report Surplus Deficit	2423	2938	3580	2987	3129	3021	2925	2248	3183	3752	3672	3789	4118	2593
33	1961 Federal Report Surplus Deficit	2254	1747	606	-53.7	718	1895	2855	2528	3774	3554	2987	3712	4297	2554
34	1962 Federal Report Surplus Deficit	2205	2185	448	-287	802	1569	2304	2276	2630	3632	3839	3755	4204	1496
35	1963 Federal Report Surplus Deficit	1984	1757	608	574	1712	2971	2725	2705	3031	2359	2805	3775	3904	2635
36	1964 Federal Report Surplus Deficit	2117	1845	1036	-304	500	1831	1585	1097	1804	3587	2875	3751	4477	3434
37	1965 Federal Report Surplus Deficit	2277	2835	1856	932	1558	3487	3664	3685	3561	3166	3704	3734	3918	2876
38	1966 Federal Report Surplus Deficit	2302	2827	455	184	1190	1994	2172	1721	2371	3687	3235	3672	3700	2701
39	1967 Federal Report Surplus Deficit	2269	1810	655	-350	598	2029	3476	3522	3668	2675	1095	3641	4235	3040
40	1968 Federal Report Surplus Deficit	2339	2657	875	-103	1262	2002	2903	2818	3661	2130	2246	3327	3990	2827
41	1969 Federal Report Surplus Deficit	2300	2534	2545	1070	2625	2681	3708	3524	3499	3654	3682	3891	4216	2825
42	1970 Federal Report Surplus Deficit	2290	2303	849	-86.5	1010	1507	2172	2627	2971	3068	1944	3703	4271	2401
43	1971 Federal Report Surplus Deficit	1635	1492	552	-357	698	1652	3652	3633	4036	3866	3645	3869	4445	3410
44	1972 Federal Report Surplus Deficit	2509	2958	1699	268	870	2261	3471	3175	3576	3857	3586	3870	4396	3391
45	1973 Federal Report Surplus Deficit	2401	2819	2521	177	940	2016	2371	1453	1193	-331	1766	3391	2462	1723
46	1974 Federal Report Surplus Deficit	1685	1033	166	-169	378	2778	3617	3485	3487	3514	3859	3823	4399	3665
47	1975 Federal Report Surplus Deficit	2364	2852	2377	-426	829	1710	2076	2660	3568	2493	2973	3758	4384	3822
48	1976 Federal Report Surplus Deficit	2301	2718	1495	1312	2908	3732	3663	3726	3810	3742	3736	3835	4171	3255
49	1977 Federal Report Surplus Deficit	2501	2909	3635	284	868	1080	545	554	1178	-354	2043	1907	-316	1552
50	1978 Federal Report Surplus Deficit	998	666	335	-609	340	2496	2354	2365	2928	3797	3241	3552	3606	2888
51	1979 Federal Report Surplus Deficit	2009	1732	1785	425	941	1580	1825	740	2893	2333	3084	3767	2979	1208
52	1980 Federal Report Surplus Deficit	1162	1193	616	-154	786	1207	1396	926	1229	3260	3324	3938	4019	1937
53	1981 Federal Report Surplus Deficit	1771	1258	682	-1.65	766	3155	3129	3159	3166	1062	3041	3749	4277	2861
54	1982 Federal Report Surplus Deficit	2374	2930	1508	-104	1181	2397	3318	3492	3866	3827	3578	3744	4298	3156
55	1983 Federal Report Surplus Deficit	2441	2958	3195	1126	1329	2624	3531	3394	3862	3754	3325	3707	4123	3212
56	1984 Federal Report Surplus Deficit	2307	2830	1677	8.00	3109	2603	3063	3443	3831	3841	3724	3776	4446	3171
57	1985 Federal Report Surplus Deficit	2419	2606	1295	71.0	1199	2012	1825	1588	2619	3504	3491	3773	3581	604
58	1986 Federal Report Surplus Deficit	875	826	509	991	2462	1861	2767	3414	3829	3748	3600	3671	4127	2399

Federal Report Surplus Deficit By Water Year

Operating Year 2021

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308Continued

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	1987 Federal Report Surplus Deficit	2138	1610	473	-375	669	2096	1608	761	2398	1855	2760	3730	3350	1533
60	1988 Federal Report Surplus Deficit	1028	902	402	-320	656	1191	190	-355	1089	1101	2730	3398	2643	2298
61	1989 Federal Report Surplus Deficit	1768	1316	484	-325	441	1894	739	-98.4	2517	3603	3655	3710	3602	1242
62	1990 Federal Report Surplus Deficit	1357	1344	549	-229	1361	2095	2467	2955	3499	3108	3858	3698	4189	2474
63	1991 Federal Report Surplus Deficit	2339	2411	624	-539	2816	2845	3151	3551	3556	3530	3213	3749	4061	3034
64	1992 Federal Report Surplus Deficit	2338	2873	722	-420	746	1445	1201	769	2265	1073	2004	3227	1889	1436
65	1993 Federal Report Surplus Deficit	1096	867	152	-207	699	1521	-140	-470	2108	1763	2753	3759	3990	2202
66	1994 Federal Report Surplus Deficit	2029	1818	675	-300	1217	1399	253	287	893	660	2660	3644	3262	2024
67	1995 Federal Report Surplus Deficit	1622	1101	231	-418	376	1554	1079	2483	3717	2716	2641	3676	4137	2614
68	1996 Federal Report Surplus Deficit	2078	1941	1017	1393	3078	3401	3490	3620	3791	3824	3974	3803	4220	3258
69	1997 Federal Report Surplus Deficit	2389	2914	697	-236	1061	2592	3742	3543	3764	3575	3955	3750	4385	3355
70	1998 Federal Report Surplus Deficit	2468	2946	3137	2955	2527	2460	2229	2011	2589	2472	3244	3841	4321	2755
71	1999 Federal Report Surplus Deficit	2446	2309	745	-243	441	2284	3608	3406	3796	3531	3606	3782	4429	3373
72	2000 Federal Report Surplus Deficit	2521	3003	2098	40.3	3116	3007	2658	2621	3469	3806	3743	3782	3848	2640
73	2001 Federal Report Surplus Deficit	2303	1259	578	-199	743	1228	566	384	1191	119	2258	2979	-787	1571
74	2002 Federal Report Surplus Deficit	1254	1009	555	-702	380	1549	653	813	1663	3177	3595	3671	4186	3101
75	2003 Federal Report Surplus Deficit	2379	2077	683	-583	1083	1377	617	454	3245	3212	3189	3624	4194	1357
76	2004 Federal Report Surplus Deficit	979	996	374	-56.8	897	2217	1104	9.64	2347	2664	2870	3692	3603	1636
77	2005 Federal Report Surplus Deficit	1180	1259	1738	55.2	890	2249	1902	1741	2219	526	2638	3538	3827	1934
78	2006 Federal Report Surplus Deficit	2027	1496	679	-96.1	831	1831	2407	3498	3428	3753	3860	3918	4203	2440
79	2007 Federal Report Surplus Deficit	2013	1701	505	-529	1367	1844	2677	1718	3917	3610	3284	3760	3626	2674
80	2008 Federal Report Surplus Deficit	1799	1253	403	-47.1	709	1641	1224	979	2088	2580	1583	3761	4472	2896

Ranked Averages

81	**Bottom 10 pct**	**1034**	**927**	**577**	**-82.7**	**878**	**1742**	**1151**	**890**	**2370**	**2572**	**3103**	**3673**	**3760**	**2205**
82	**Middle 80 pct**	**2038**	**1978**	**830**	**52.3**	**1141**	**2081**	**2178**	**2108**	**2869**	**2765**	**3038**	**3654**	**3713**	**2463**
83	**Top 10 pct**	**2470**	**2862**	**2736**	**932**	**1783**	**2336**	**2533**	**2279**	**2897**	**2811**	**3254**	**3555**	**3667**	**2893**

Federal Report Surplus Deficit By Water Year

Operating Year 2022

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	2156	2253	528	-130	620	1042	703	231	880	289	2222	3443	3903	795
2	1930 Federal Report Surplus Deficit	1563	1373	543	-185	629	1162	92.4	467	990	904	2690	3673	1498	2083
3	1931 Federal Report Surplus Deficit	1813	1255	35.1	-261	873	1058	-261	-823	800	1400	572	4174	2514	1838
4	1932 Federal Report Surplus Deficit	952	685	353	-409	55.9	1032	-263	-834	3274	3767	3630	4628	5005	2280
5	1933 Federal Report Surplus Deficit	2292	2459	832	-76.0	99.5	1925	2233	2994	3197	3109	3036	4515	5256	3244
6	1934 Federal Report Surplus Deficit	2249	2832	771	867	3017	3529	3713	3508	3757	3634	3665	4402	4219	2117
7	1935 Federal Report Surplus Deficit	1378	1175	10.8	-127	-10.9	1715	2406	2573	3331	2417	2645	4420	4193	2671
8	1936 Federal Report Surplus Deficit	2345	1916	489	-277	469	1066	350	-346	1327	1873	3585	4665	4782	1890
9	1937 Federal Report Surplus Deficit	1930	1254	379	-288	851	1042	156	-678	872	779	645	4179	3097	1639
10	1938 Federal Report Surplus Deficit	1687	1138	332	-86.7	142	1952	2288	2136	3239	3803	3775	4548	4783	2485
11	1939 Federal Report Surplus Deficit	1927	1472	700	-8.71	409	1132	1428	953	2021	3000	3301	4554	2971	1792
12	1940 Federal Report Surplus Deficit	1269	1025	166	112	978	1860	1372	133	3760	3092	2907	4503	3404	1742
13	1941 Federal Report Surplus Deficit	1542	1004	93.1	-86.7	405	1775	561	168	1312	1059	1951	4118	3195	2031
14	1942 Federal Report Surplus Deficit	1638	1171	126	-276	1245	2017	2033	1540	2444	1868	3090	4214	4338	2777
15	1943 Federal Report Surplus Deficit	2177	1827	1241	7.99	5.24	1587	2678	3203	3635	3926	4035	4472	5159	2436
16	1944 Federal Report Surplus Deficit	2198	1977	509	-388	588	1049	724	284	833	289	2206	2864	1433	1477
17	1945 Federal Report Surplus Deficit	1373	755	68.1	-96.8	575	724	20.7	-16.2	935	137	162	4554	4675	1272
18	1946 Federal Report Surplus Deficit	2046	1582	507	-318	330	1880	2062	2048	3346	3691	3811	4556	4835	2698
19	1947 Federal Report Surplus Deficit	2317	2294	769	-429	666	3263	3440	3501	3864	3424	3212	4558	4827	2787
20	1948 Federal Report Surplus Deficit	2183	1768	680	2606	2511	2506	3515	2966	3208	3357	3628	4795	5202	3094
21	1949 Federal Report Surplus Deficit	2291	2832	2152	-82.7	538	1615	2318	1340	3829	3764	3671	4629	4836	1247
22	1950 Federal Report Surplus Deficit	1265	1031	372	-262	462	1598	3450	2981	3680	3958	3607	4571	5061	2885
23	1951 Federal Report Surplus Deficit	2309	2846	867	770	2814	3350	3682	3686	3872	3944	3649	4513	4682	3032
24	1952 Federal Report Surplus Deficit	2407	2786	825	2053	1652	2520	3244	3449	3455	3955	3890	4717	4967	2526
25	1953 Federal Report Surplus Deficit	2115	1692	369	-406	289	1097	1963	2009	3087	2580	2996	4568	5282	2965
26	1954 Federal Report Surplus Deficit	2271	2095	710	-195	844	2133	3144	3369	3737	3502	3330	4571	4924	3451
27	1955 Federal Report Surplus Deficit	2460	2804	3703	-19.8	1875	1816	1399	754	1563	1703	2817	4532	5177	3584
28	1956 Federal Report Surplus Deficit	2240	2632	513	168	2403	3280	3734	3538	3516	3595	3880	4625	5252	3053
29	1957 Federal Report Surplus Deficit	2291	2803	705	82.4	491	2202	2248	1714	3246	3921	3278	4746	5148	2655
30	1958 Federal Report Surplus Deficit	2280	2055	545	-184	676	1417	2550	2095	3388	3391	3492	4681	4993	2293
31	1959 Federal Report Surplus Deficit	1861	1738	497	61.9	1256	2999	3722	3627	3689	3660	3305	4349	5007	2608
32	1960 Federal Report Surplus Deficit	2435	2864	3484	2901	3015	2872	2967	2221	3246	3832	3629	4564	4817	2523
33	1961 Federal Report Surplus Deficit	2273	1641	467	-107	525	1754	2904	2501	3803	3604	2981	4506	5056	2482
34	1962 Federal Report Surplus Deficit	2224	2072	311	-331	617	1421	2378	2249	1841	3815	3802	4548	4929	1487
35	1963 Federal Report Surplus Deficit	2002	1650	477	496	1601	2825	2776	2673	3096	2402	2804	4542	4574	2564
36	1964 Federal Report Surplus Deficit	2136	1732	882	-346	254	1691	1682	1045	1851	3637	2873	4539	5260	3386
37	1965 Federal Report Surplus Deficit	2291	2760	1705	827	1433	3334	3694	3606	3593	3212	3669	4525	4612	2803
38	1966 Federal Report Surplus Deficit	2314	2754	314	116	1050	1855	2250	1694	1942	3810	3212	4421	4353	2630
39	1967 Federal Report Surplus Deficit	2287	1701	509	-394	383	1890	3503	3443	3699	2721	1121	4416	4991	2977
40	1968 Federal Report Surplus Deficit	2354	2559	722	-158	1120	1863	2956	2783	3682	2172	2258	4064	4705	2753
41	1969 Federal Report Surplus Deficit	2316	2437	2412	952	2515	2539	3735	3445	3530	3703	3643	4677	4921	2758
42	1970 Federal Report Surplus Deficit	2307	2191	700	-135	848	1357	2252	2594	3036	3114	1960	4474	5018	2327
43	1971 Federal Report Surplus Deficit	1646	1398	412	-407	492	1508	3683	3554	4027	3915	3601	4648	5215	3356
44	1972 Federal Report Surplus Deficit	2519	2883	1545	198	689	2123	3502	3096	3607	3922	3547	4650	5169	3338
45	1973 Federal Report Surplus Deficit	2410	2746	2382	111	773	1877	2443	1419	1208	-384	1784	4129	3101	1693
46	1974 Federal Report Surplus Deficit	1697	964	41.5	-228	54.3	2636	3650	3409	3520	3562	3825	4599	5149	3618
47	1975 Federal Report Surplus Deficit	2374	2779	2233	-471	645	1565	2160	2627	3617	2537	2964	4544	5156	3779
48	1976 Federal Report Surplus Deficit	2314	2628	1340	1192	2796	3582	3683	3647	3842	3805	3697	4624	4882	3196
49	1977 Federal Report Surplus Deficit	2512	2834	3535	220	704	921	656	465	1195	-402	2061	2688	413	1537
50	1978 Federal Report Surplus Deficit	1001	636	277	-647	19.2	2357	2426	2337	2995	3855	3216	4344	4257	2816
51	1979 Federal Report Surplus Deficit	2027	1624	1635	343	774	1432	1913	649	2962	2375	3075	4563	3617	1227
52	1980 Federal Report Surplus Deficit	1166	1120	479	-204	607	1031	1498	859	1247	3310	3295	4715	4745	1892
53	1981 Federal Report Surplus Deficit	1787	1170	531	-57.1	585	3006	3164	3104	3226	1075	3029	4532	5062	2798
54	1982 Federal Report Surplus Deficit	2389	2852	1352	-159	1036	2259	3354	3414	3876	3875	3540	4529	5044	3094
55	1983 Federal Report Surplus Deficit	2453	2885	3074	1015	1191	2484	3562	3315	3893	3803	3303	4495	4819	3151
56	1984 Federal Report Surplus Deficit	2319	2757	1523	-52.3	2993	2464	3112	3385	3861	3907	3682	4563	5215	3109
57	1985 Federal Report Surplus Deficit	2433	2502	1139	11.6	1051	1873	1913	1556	2688	3553	3456	4568	4222	681
58	1986 Federal Report Surplus Deficit	873	791	386	887	2354	1723	2828	3361	3858	3798	3557	4437	4834	2322

Federal Report Surplus Deficit By Water Year

Operating Year 2022

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308Continued

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	1987 Federal Report Surplus Deficit	2156	1511	331	-417	454	1957	1703	680	2465	1888	2760	4495	3993	1520
60	1988 Federal Report Surplus Deficit	1031	852	292	-365	482	1013	302	-629	1096	1110	2729	4138	3286	2234
61	1989 Federal Report Surplus Deficit	1782	1231	376	-366	176	1754	850	-305	2583	3651	3616	4492	4246	1258
62	1990 Federal Report Surplus Deficit	1366	1260	421	-274	1234	1956	2534	2908	3542	3153	3821	4477	4896	2404
63	1991 Federal Report Surplus Deficit	2357	2302	485	-574	2711	2700	3191	3473	3590	3580	3191	4539	4763	2979
64	1992 Federal Report Surplus Deficit	2354	2792	576	-458	560	1291	1303	693	2329	1087	2019	3967	2542	1432
65	1993 Federal Report Surplus Deficit	1099	810	63.6	-261	515	1372	-31.5	-771	2160	1790	2752	4539	4655	2140
66	1994 Federal Report Surplus Deficit	2046	1710	545	-343	1079	1248	365	154	886	651	2661	4404	3902	1973
67	1995 Federal Report Surplus Deficit	1633	1026	99.5	-463	108	1406	1186	2456	3744	2761	2644	4428	4859	2536
68	1996 Federal Report Surplus Deficit	2095	1830	864	1268	2963	3283	3521	3541	3820	3876	3944	4596	4968	3204
69	1997 Federal Report Surplus Deficit	2402	2836	556	-287	902	2453	3775	3491	3795	3620	3923	4535	5159	3302
70	1998 Federal Report Surplus Deficit	2479	2873	3015	2796	2418	2321	2308	1986	2655	2512	3226	4616	5081	2679
71	1999 Federal Report Surplus Deficit	2461	2196	600	-293	159	2146	3640	3327	3827	3576	3568	4572	5199	3318
72	2000 Federal Report Surplus Deficit	2532	2930	1950	-22.4	2999	2861	2719	2590	3521	3860	3706	4547	4499	2567
73	2001 Federal Report Surplus Deficit	2322	1185	440	-245	566	1068	676	267	1210	88.6	2267	3721	-34.0	1562
74	2002 Federal Report Surplus Deficit	1260	950	524	-736	107	1400	764	742	1702	3221	3552	4425	4917	3043
75	2003 Federal Report Surplus Deficit	2398	1965	543	-619	943	1220	729	341	3305	3257	3168	4386	4909	1369
76	2004 Federal Report Surplus Deficit	977	952	275	-115	741	2079	1209	-180	2412	2708	2864	4451	4255	1621
77	2005 Federal Report Surplus Deficit	1185	1176	1588	-1.90	725	2110	1983	1714	2030	1153	2633	4319	4486	1896
78	2006 Federal Report Surplus Deficit	2042	1410	542	-155	652	1690	2477	3435	3471	3822	3826	4688	4920	2369
79	2007 Federal Report Surplus Deficit	2029	1599	386	-566	1239	1703	2736	1690	3927	3655	3257	4539	4271	2601
80	2008 Federal Report Surplus Deficit	1812	1180	316	-104	532	1505	1340	933	2154	2629	1610	4553	5257	2827

Ranked Averages

81	**Bottom 10 pct**	**1036**	**878**	**464**	**-140**	**687**	**1590**	**1244**	**732**	**2384**	**2686**	**3085**	**4446**	**4440**	**2150**
82	**Middle 80 pct**	**2053**	**1887**	**694**	**-8.94**	**962**	**1935**	**2249**	**2030**	**2886**	**2807**	**3023**	**4429**	**4423**	**2417**
83	**Top 10 pct**	**2481**	**2784**	**2613**	**849**	**1631**	**2193**	**2594**	**2219**	**2939**	**2851**	**3232**	**4333**	**4397**	**2837**

Federal Report Surplus Deficit By Water Year

Operating Year 2023

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	2156	2409	568	-224	736	963	465	206	872	265	2173	2660	3202	633
2	1930 Federal Report Surplus Deficit	1570	1512	585	-280	734	1083	-146	445	977	857	2650	2897	748	2050
3	1931 Federal Report Surplus Deficit	1822	1400	74.7	-352	952	974	-494	-652	798	1333	505	3402	1797	1788
4	1932 Federal Report Surplus Deficit	972	754	392	-505	227	954	-493	-661	3201	3670	3632	3806	4204	2255
5	1933 Federal Report Surplus Deficit	2289	2608	888	-166	322	1824	2028	2898	3128	3015	3008	3706	4409	3205
6	1934 Federal Report Surplus Deficit	2251	2958	828	822	3065	3434	3553	3436	3728	3516	3665	3578	3499	2091
7	1935 Federal Report Surplus Deficit	1393	1316	42.1	-212	253	1617	2207	2458	3269	2327	2605	3629	3485	2649
8	1936 Federal Report Surplus Deficit	2343	2072	511	-375	592	986	112	-277	1293	1793	3586	3844	4026	1848
9	1937 Federal Report Surplus Deficit	1935	1387	403	-387	933	959	-82.5	-548	870	740	577	3407	2386	1569
10	1938 Federal Report Surplus Deficit	1692	1267	350	-177	351	1851	2084	2013	3163	3708	3776	3721	4025	2464
11	1939 Federal Report Surplus Deficit	1929	1615	754	-95.4	547	1057	1199	862	1963	2907	3281	3740	2264	1737
12	1940 Federal Report Surplus Deficit	1280	1154	201	36.0	1052	1759	1146	140	3714	2998	2877	3711	2701	1684
13	1941 Federal Report Surplus Deficit	1553	1120	116	-169	537	1675	322	149	1277	1000	1899	3342	2491	2000
14	1942 Federal Report Surplus Deficit	1644	1304	158	-365	1305	1916	1821	1424	2368	1791	3069	3430	3612	2749
15	1943 Federal Report Surplus Deficit	2174	1984	1295	-76.6	269	1491	2488	3103	3580	3807	4019	3644	4330	2415
16	1944 Federal Report Surplus Deficit	2196	2135	542	-494	709	973	486	253	831	262	2158	2063	681	1393
17	1945 Federal Report Surplus Deficit	1383	848	61.1	-186	687	663	-214	31.3	932	126	87.2	3756	3923	1164
18	1946 Federal Report Surplus Deficit	2045	1728	530	-420	497	1780	1849	1925	3274	3595	3806	3728	4071	2676
19	1947 Federal Report Surplus Deficit	2319	2451	823	-535	779	3177	3283	3429	3845	3330	3192	3731	4039	2762
20	1948 Federal Report Surplus Deficit	2181	1923	730	2621	2550	2409	3362	2865	3135	3262	3629	3994	4353	3056
21	1949 Federal Report Surplus Deficit	2297	2953	2199	-173	665	1518	2122	1232	3792	3669	3673	3802	4071	1144
22	1950 Federal Report Surplus Deficit	1279	1142	376	-360	603	1499	3290	2909	3634	3855	3606	3745	4264	2860
23	1951 Federal Report Surplus Deficit	2309	2966	913	718	2858	3265	3521	3614	3826	3843	3650	3685	3937	2997
24	1952 Federal Report Surplus Deficit	2406	2911	873	2061	1700	2423	3080	3361	3388	3852	3884	3906	4171	2506
25	1953 Federal Report Surplus Deficit	2109	1843	381	-511	444	1016	1747	1888	3010	2488	2965	3745	4424	2933
26	1954 Federal Report Surplus Deficit	2269	2254	761	-290	936	2032	2974	3279	3694	3407	3317	3743	4139	3402
27	1955 Federal Report Surplus Deficit	2468	2924	3701	-109	1917	1716	1170	676	1517	1627	2782	3732	4349	3534
28	1956 Federal Report Surplus Deficit	2238	2767	555	85.1	2441	3194	3574	3466	3470	3511	3875	3800	4403	3018
29	1957 Federal Report Surplus Deficit	2299	2932	754	-1.90	626	2102	2048	1595	3169	3815	3263	3950	4283	2633
30	1958 Federal Report Surplus Deficit	2276	2212	588	-280	780	1327	2355	1973	3328	3296	3488	3864	4186	2269
31	1959 Federal Report Surplus Deficit	1863	1893	541	-22.3	1321	2908	3578	3554	3651	3564	3290	3534	4190	2588
32	1960 Federal Report Surplus Deficit	2442	2986	3483	2842	3063	2782	2798	2100	3172	3702	3631	3757	4055	2503
33	1961 Federal Report Surplus Deficit	2273	1795	508	-197	654	1655	2728	2380	3765	3509	2951	3680	4234	2462
34	1962 Federal Report Surplus Deficit	2225	2234	346	-431	731	1330	2177	2128	2619	3585	3800	3723	4140	1401
35	1963 Federal Report Surplus Deficit	2002	1805	507	430	1650	2732	2600	2557	3022	2314	2769	3744	3841	2543
36	1964 Federal Report Surplus Deficit	2136	1892	940	-449	430	1592	1459	949	1794	3542	2838	3717	4411	3338
37	1965 Federal Report Surplus Deficit	2287	2874	1747	781	1488	3248	3533	3534	3546	3118	3664	3696	3849	2776
38	1966 Federal Report Surplus Deficit	2315	2869	353	36.0	1120	1755	2045	1573	2359	3638	3195	3639	3636	2608
39	1967 Federal Report Surplus Deficit	2289	1859	560	-493	535	1789	3349	3371	3654	2629	1057	3605	4169	2944
40	1968 Federal Report Surplus Deficit	2352	2698	775	-249	1191	1763	2777	2670	3649	2085	2210	3293	3922	2728
41	1969 Federal Report Surplus Deficit	2309	2572	2439	919	2555	2442	3577	3373	3485	3619	3644	3856	4152	2734
42	1970 Federal Report Surplus Deficit	2310	2351	751	-231	939	1268	2046	2479	2961	3020	1905	3667	4202	2304
43	1971 Federal Report Surplus Deficit	1645	1531	444	-508	629	1414	3522	3482	4025	3815	3603	3828	4373	3310
44	1972 Federal Report Surplus Deficit	2521	2998	1593	117	801	2022	3341	3024	3562	3807	3544	3829	4324	3292
45	1973 Federal Report Surplus Deficit	2414	2860	2415	28.2	870	1777	2244	1305	1182	-377	1728	3357	2395	1629
46	1974 Federal Report Surplus Deficit	1700	1077	63.0	-320	309	2539	3492	3337	3474	3479	3822	3784	4328	3566
47	1975 Federal Report Surplus Deficit	2375	2891	2272	-577	759	1471	1950	2512	3556	2446	2934	3720	4314	3722
48	1976 Federal Report Surplus Deficit	2310	2756	1389	1161	2839	3494	3537	3575	3795	3695	3698	3799	4104	3155
49	1977 Federal Report Surplus Deficit	2514	2951	3538	142	803	841	419	406	1166	-396	2009	1878	-378	1460
50	1978 Federal Report Surplus Deficit	1019	715	237	-756	270	2257	2227	2217	2918	3751	3204	3520	3539	2790
51	1979 Federal Report Surplus Deficit	2017	1768	1676	273	871	1340	1698	592	2883	2288	3049	3736	2916	1115
52	1980 Federal Report Surplus Deficit	1182	1241	519	-298	715	968	1270	778	1220	3215	3288	3905	3955	1844
53	1981 Federal Report Surplus Deficit	1790	1305	584	-145	697	2915	3003	3011	3157	1017	3005	3718	4215	2769
54	1982 Federal Report Surplus Deficit	2394	2978	1407	-256	1111	2159	3192	3342	3851	3777	3537	3703	4226	3056
55	1983 Federal Report Surplus Deficit	2448	2994	3088	975	1259	2385	3402	3244	3847	3707	3287	3667	4051	3112
56	1984 Federal Report Surplus Deficit	2318	2869	1571	-143	3039	2365	2938	3295	3819	3791	3683	3735	4374	3071
57	1985 Federal Report Surplus Deficit	2429	2645	1189	-80.3	1129	1773	1699	1440	2610	3458	3453	3739	3514	507
58	1986 Federal Report Surplus Deficit	887	866	405	841	2393	1624	2642	3266	3818	3698	3558	3631	4056	2299

Federal Report Surplus Deficit By Water Year

Operating Year 2023

2012 White Book Report Date: **10/19/2012**

S104-WB-20121129-173308Continued

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	1987 Federal Report Surplus Deficit	2148	1650	372	-521	599	1856	1481	613	2389	1810	2724	3697	3287	1442
60	1988 Federal Report Surplus Deficit	1050	953	307	-462	591	953	63.3	-503	1077	1056	2693	3366	2580	2207
61	1989 Federal Report Surplus Deficit	1788	1364	388	-468	374	1655	612	-247	2507	3556	3617	3675	3537	1149
62	1990 Federal Report Surplus Deficit	1374	1389	449	-373	1294	1856	2340	2807	3487	3058	3816	3664	4124	2383
63	1991 Federal Report Surplus Deficit	2358	2459	525	-683	2753	2606	3024	3403	3547	3485	3176	3716	3994	2942
64	1992 Federal Report Surplus Deficit	2357	2921	625	-563	681	1205	1074	621	2254	1028	1968	3195	1826	1346
65	1993 Federal Report Surplus Deficit	1116	916	55.1	-351	634	1281	-266	-618	2097	1716	2715	3725	3924	2108
66	1994 Federal Report Surplus Deficit	2044	1861	574	-444	1147	1159	126	139	881	614	2622	3610	3198	1932
67	1995 Federal Report Surplus Deficit	1642	1149	134	-563	310	1315	953	2335	3706	2669	2603	3642	4070	2517
68	1996 Federal Report Surplus Deficit	2087	1979	909	1243	3008	3162	3361	3469	3780	3775	3934	3768	4151	3160
69	1997 Federal Report Surplus Deficit	2399	2952	592	-387	991	2354	3614	3395	3750	3536	3913	3709	4313	3255
70	1998 Federal Report Surplus Deficit	2479	2985	3031	2804	2457	2222	2103	1863	2577	2422	3202	3803	4249	2658
71	1999 Federal Report Surplus Deficit	2458	2350	639	-394	371	2045	3479	3254	3781	3481	3565	3745	4359	3275
72	2000 Federal Report Surplus Deficit	2535	3046	1996	-111	3046	2768	2531	2473	3458	3759	3704	3746	3781	2547
73	2001 Federal Report Surplus Deficit	2323	1307	481	-344	679	988	439	236	1181	70.5	2218	2945	-850	1481
74	2002 Federal Report Surplus Deficit	1275	1058	460	-844	317	1310	526	665	1651	3127	3554	3639	4123	3010
75	2003 Federal Report Surplus Deficit	2398	2124	585	-727	1019	1137	491	306	3233	3163	3149	3592	4130	1267
76	2004 Federal Report Surplus Deficit	1000	1046	278	-200	833	1978	977	-139	2336	2616	2831	3659	3539	1545
77	2005 Federal Report Surplus Deficit	1199	1306	1642	-87.4	826	2010	1775	1593	2208	478	2599	3504	3762	1842
78	2006 Federal Report Surplus Deficit	2043	1541	577	-244	761	1592	2281	3350	3417	3706	3822	3883	4136	2344
79	2007 Federal Report Surplus Deficit	2030	1746	405	-675	1302	1605	2551	1570	3906	3560	3243	3727	3561	2581
80	2008 Federal Report Surplus Deficit	1811	1295	305	-188	649	1410	1110	843	2087	2538	1549	3729	4406	2803

Ranked Averages

81	**Bottom 10 pct**	**1053**	**975**	**479**	**-227**	**811**	**1503**	**1024**	**742**	**2359**	**2525**	**3065**	**3640**	**3695**	**2111**
82	**Middle 80 pct**	**2054**	**2023**	**730**	**-94.4**	**1073**	**1842**	**2052**	**1960**	**2859**	**2720**	**3000**	**3620**	**3647**	**2369**
83	**Top 10 pct**	**2483**	**2904**	**2634**	**783**	**1715**	**2098**	**2405**	**2130**	**2885**	**2764**	**3215**	**3520**	**3599**	**2797**

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Exhibit 25
Regional Report Surplus Deficit By Water Year
80 Water Year Regional Surplus/Deficit

Monthly 1-Hour Capacity
Operating Year 2014 to 2023
Using 1937-Water Conditions

Regional Report Surplus Deficit By Water Year

Operating Year 2014

2012 White Book Report Date: **10/19/2012**

S104-WB-20130606-150434

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Regional Report Surplus Deficit	6816	6589	7538	6919	6385	4844	4356	4831	6634	5964	7610	10397	9768	6166
2	1930 Regional Report Surplus Deficit	5951	4676	8004	6197	5858	4703	2577	5098	6307	6378	8455	9148	7548	6825
3	1931 Regional Report Surplus Deficit	6268	4989	7696	5842	6445	3890	2584	3173	5719	7522	2931	9991	7318	5983
4	1932 Regional Report Surplus Deficit	4763	3168	6557	5542	5258	4459	2494	3006	9114	11767	10266	11435	11310	7273
5	1933 Regional Report Surplus Deficit	6474	6274	8571	6461	5499	5919	6712	8984	9960	10579	9103	10722	11630	8628
6	1934 Regional Report Surplus Deficit	7334	7667	7985	8295	9858	8957	9085	10688	11025	11418	9987	10683	9397	6785
7	1935 Regional Report Surplus Deficit	5382	4540	7106	5909	5323	5496	6896	8146	9275	10440	8714	10795	9981	7591
8	1936 Regional Report Surplus Deficit	7094	6030	7064	6407	6055	4611	3114	3596	7098	7985	10138	11542	11096	6902
9	1937 Regional Report Surplus Deficit	6143	5254	7036	6139	6516	4598	2893	3353	6379	6591	5544	10423	8840	6549
10	1938 Regional Report Surplus Deficit	6526	4720	7878	6127	5348	5748	6691	8492	10180	11635	10564	11308	10845	7704
11	1939 Regional Report Surplus Deficit	6499	5855	8078	6756	5964	4954	5061	6480	8104	10323	9452	11463	8951	6616
12	1940 Regional Report Surplus Deficit	5495	3922	7163	6423	7038	5623	4337	5780	9914	10925	9464	11284	9678	6169
13	1941 Regional Report Surplus Deficit	5228	3677	7541	6549	5607	5485	4155	4374	6409	6688	7119	9768	8893	6078
14	1942 Regional Report Surplus Deficit	5214	3880	7597	6466	6246	6688	6749	5833	7245	7479	9164	10515	10855	7972
15	1943 Regional Report Surplus Deficit	6715	6409	8790	6577	5302	5728	7469	9012	10506	12115	11005	11195	11547	7605
16	1944 Regional Report Surplus Deficit	6598	6115	7786	6618	6376	5000	4548	5112	6382	5714	7683	8342	6090	5627
17	1945 Regional Report Surplus Deficit	5079	3366	6954	5755	5932	3519	3150	4577	6262	5141	3210	11168	10857	6135
18	1946 Regional Report Surplus Deficit	6420	5210	8014	6306	5905	5923	6587	8183	9876	11609	10568	11312	11199	7980
19	1947 Regional Report Surplus Deficit	7105	6600	8448	6496	6310	8695	8740	10078	10650	11067	9615	11288	11104	7871
20	1948 Regional Report Surplus Deficit	6527	5816	8070	10676	9213	7348	8537	9172	9593	11080	10260	11608	11169	8446
21	1949 Regional Report Surplus Deficit	7328	7543	8731	7062	6303	5679	6979	5981	10826	11635	10550	11619	11100	6022
22	1950 Regional Report Surplus Deficit	5794	4534	7061	6453	6080	5580	8601	9456	11385	11921	10116	10872	11279	8298
23	1951 Regional Report Surplus Deficit	7364	7606	8384	8465	9818	8908	9178	11285	11220	12060	10243	11253	11026	8222
24	1952 Regional Report Surplus Deficit	7400	6961	8283	10198	8083	7388	8142	9635	10712	12033	10774	11570	11363	7843
25	1953 Regional Report Surplus Deficit	6499	5976	7169	6333	6182	4736	5837	7985	9366	9831	9319	11365	11721	8337
26	1954 Regional Report Surplus Deficit	7064	7146	8079	6869	6777	6771	8279	9946	10824	11487	9805	11202	11168	8959
27	1955 Regional Report Surplus Deficit	7722	7832	11467	7142	8266	6165	5661	4795	5820	7627	8579	10694	11636	9129
28	1956 Regional Report Surplus Deficit	7432	7150	7730	7445	9065	8706	9129	10594	10812	11711	10432	11307	11827	8556
29	1957 Regional Report Surplus Deficit	7295	7058	8210	7409	6268	6978	6766	7120	10102	12183	9795	11936	11575	7517
30	1958 Regional Report Surplus Deficit	6659	5153	8031	6642	6431	5556	7256	8108	10098	11179	10209	11544	11407	7277
31	1959 Regional Report Surplus Deficit	6164	5725	7765	6603	7821	8260	9089	10413	10802	11806	9695	10916	11255	7837
32	1960 Regional Report Surplus Deficit	7395	7263	11486	11108	9921	7958	7770	8439	10084	11999	10156	11112	11058	7421
33	1961 Regional Report Surplus Deficit	6988	6016	7592	6866	6323	5959	7596	8575	10760	11650	8950	10947	11006	7123
34	1962 Regional Report Surplus Deficit	6465	6199	7329	6485	6304	5172	6919	8287	8080	11997	10344	11293	11194	6135
35	1963 Regional Report Surplus Deficit	6807	5992	7478	7415	8241	7838	6800	8938	8854	10090	9219	11647	11288	7578
36	1964 Regional Report Surplus Deficit	6762	6209	8468	6532	5791	6003	6074	6775	8320	11606	8986	10992	11780	8885
37	1965 Regional Report Surplus Deficit	7450	7006	9251	8286	7629	8655	8994	10715	10991	11087	10461	11127	10822	7795
38	1966 Regional Report Surplus Deficit	7447	7543	7624	7362	7121	6333	6859	7548	7706	11988	9620	10882	10185	7560
39	1967 Regional Report Surplus Deficit	6692	6126	7681	6374	5922	6394	8492	10090	10974	10272	6086	10893	11333	8256
40	1968 Regional Report Surplus Deficit	7192	6710	8027	7025	7209	6377	7915	9884	10532	9200	7869	10181	10994	7835
41	1969 Regional Report Surplus Deficit	7169	7110	9876	8665	9227	7392	8807	10449	10536	11777	10254	11557	11312	7952
42	1970 Regional Report Surplus Deficit	6763	5843	8033	6804	6723	5380	6921	8152	9597	10752	8346	11342	11434	7150
43	1971 Regional Report Surplus Deficit	6641	5722	7654	6506	6289	5764	9006	10526	11233	11775	9982	11421	11754	9072
44	1972 Regional Report Surplus Deficit	7837	7737	8617	7635	6733	6728	8985	10039	11273	12005	10047	11403	11468	8796
45	1973 Regional Report Surplus Deficit	7577	7726	9184	7461	6815	6395	7065	6864	6944	4933	7316	9833	9511	6479
46	1974 Regional Report Surplus Deficit	5773	4272	7741	6129	5893	6914	8951	10580	11033	11599	10248	10762	11349	9301
47	1975 Regional Report Surplus Deficit	7644	7563	8679	6575	6478	5815	6858	8948	10588	9728	8924	11294	11632	9444
48	1976 Regional Report Surplus Deficit	7363	7325	9006	9027	9720	9242	9028	10638	11054	11830	10131	11387	11375	8529
49	1977 Regional Report Surplus Deficit	7992	7999	11996	7530	6583	4858	4213	5541	6655	4796	7908	7559	6122	5661
50	1978 Regional Report Surplus Deficit	5137	3423	6515	6083	5202	6762	6857	8116	9506	11593	9755	11351	10123	7787
51	1979 Regional Report Surplus Deficit	6727	6180	9859	7548	6625	5243	5875	5223	9744	9343	9147	11734	9496	6083
52	1980 Regional Report Surplus Deficit	5120	4466	7224	6420	6105	4645	4970	6490	7070	10731	10021	11895	11036	6740
53	1981 Regional Report Surplus Deficit	5701	4536	7830	6734	6243	8289	8293	8332	8974	7602	9544	11268	11339	7929
54	1982 Regional Report Surplus Deficit	7051	7500	8139	6864	7087	6949	8338	10626	11215	11860	9733	11019	11440	8384

Regional Report Surplus Deficit By Water Year

Operating Year 2014

2012 White Book Report Date: **10/19/2012** *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	7653	7645	10213	8784	7382	7368	8770	10221	11374	11887	9517	11185	11220	8345
56	1984 Regional Report Surplus Deficit	7206	7303	8815	7227	10108	7341	8210	10062	11006	12016	10084	11344	11860	8564
57	1985 Regional Report Surplus Deficit	7371	6925	8796	7322	7311	6332	6416	7478	9174	11552	9915	11338	10256	5046
58	1986 Regional Report Surplus Deficit	5171	3358	7448	6823	8981	5909	7673	9828	11304	11601	9998	11058	10932	7225
59	1987 Regional Report Surplus Deficit	6506	5555	7732	6452	6234	6519	5574	4418	9051	8669	8688	11022	9451	6345
60	1988 Regional Report Surplus Deficit	4964	2990	7435	5974	5621	4459	3228	3689	6261	7071	8985	10683	9730	6880
61	1989 Regional Report Surplus Deficit	5607	4396	7799	5711	5269	5448	4623	4905	8638	11566	10054	11181	10125	6319
62	1990 Regional Report Surplus Deficit	5637	4370	7535	6152	6604	6050	7331	8916	10553	11027	10621	10971	11030	7514
63	1991 Regional Report Surplus Deficit	7132	6859	7522	5988	9600	7442	8035	10020	10412	11495	9394	10997	10772	8080
64	1992 Regional Report Surplus Deficit	7332	7524	7611	6288	6187	4909	4634	5108	7617	7423	7859	10501	8411	5204
65	1993 Regional Report Surplus Deficit	4574	3115	7118	5773	5936	4959	2874	3252	8074	8293	8649	10885	10480	7368
66	1994 Regional Report Surplus Deficit	6363	5399	7595	5676	6735	4830	3402	3450	6600	6393	8512	10492	9210	6552
67	1995 Regional Report Surplus Deficit	5202	3599	7543	5648	5319	4535	5242	8285	10133	11122	8818	11359	11283	7632
68	1996 Regional Report Surplus Deficit	6695	6150	8990	7566	9805	8827	9110	11199	11312	12120	11065	11488	11311	8620
69	1997 Regional Report Surplus Deficit	7489	7128	7728	6745	6846	7306	9145	10492	11274	11646	10679	11078	11385	8849
70	1998 Regional Report Surplus Deficit	7692	7561	10245	11006	9163	7149	6593	8436	9396	9754	9549	11643	11640	7862
71	1999 Regional Report Surplus Deficit	6925	5661	8085	6667	5733	6815	8847	10460	11294	11349	10092	11229	11789	8903
72	2000 Regional Report Surplus Deficit	8042	8158	9269	7070	9868	7918	7607	8802	10380	12126	10528	11111	10462	7440
73	2001 Regional Report Surplus Deficit	7203	5424	7666	6575	6187	4824	4149	5135	6516	5415	7735	9127	5067	5558
74	2002 Regional Report Surplus Deficit	4432	3376	6210	4538	5172	4535	3953	5451	7227	11549	10055	10680	11088	8266
75	2003 Regional Report Surplus Deficit	6996	6093	7904	5855	6511	4910	3812	4878	9980	10882	9291	10781	11134	6424
76	2004 Regional Report Surplus Deficit	5265	3580	7022	5925	6536	5771	4669	5537	7569	8590	9203	11080	10298	6711
77	2005 Regional Report Surplus Deficit	5658	5008	7940	6695	6233	6294	6248	6670	7826	7392	8509	11032	10527	6952
78	2006 Regional Report Surplus Deficit	6164	4575	7459	5423	6218	5847	7250	9970	10312	11761	10316	11474	11321	7401
79	2007 Regional Report Surplus Deficit	5784	3903	7605	6042	6640	5758	7287	7530	11179	11314	9438	11076	9985	7684
80	2008 Regional Report Surplus Deficit	6726	4361	6897	5733	5944	4938	5158	5721	8310	9671	7549	11130	11780	8123

Ranked Averages

81	**Bottom 10 pct**	**4905**	**3408**	**6932**	**5864**	**6026**	**4906**	**4400**	**5551**	**8102**	**9718**	**8867**	**11144**	**10695**	**7209**
82	**Middle 80 pct**	**6601**	**5851**	**7986**	**6876**	**6881**	**6302**	**6752**	**7889**	**9466**	**10300**	**9300**	**10994**	**10559**	**7435**
83	**Top 10 pct**	**7770**	**7778**	**9959**	**7900**	**7661**	**6550**	**6969**	**7956**	**9054**	**9107**	**9046**	**10590**	**10461**	**7895**

Regional Report Surplus Deficit By Water Year

Operating Year 2015

2012 White Book Report Date: **10/19/2012**

S104-WB-20130606-150434

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Regional Report Surplus Deficit	6842	6266	7058	5944	5908	4357	4120	4974	6311	6222	8640	10152	8154	5027
2	1930 Regional Report Surplus Deficit	5756	4677	7188	5347	5634	4247	3132	5189	6383	7049	9188	9183	4517	6213
3	1931 Regional Report Surplus Deficit	5840	4862	6771	4993	5910	4067	2453	3217	5955	8008	6508	9953	5299	5623
4	1932 Regional Report Surplus Deficit	4417	3293	6249	4817	4801	4109	2261	3364	9432	11758	10979	10772	9800	6636
5	1933 Regional Report Surplus Deficit	6475	6750	7725	5872	5057	5908	6240	8719	9498	10645	9766	10180	10085	8033
6	1934 Regional Report Surplus Deficit	6876	7205	7720	7355	9100	8287	8620	10101	10576	11470	10672	10104	7937	6111
7	1935 Regional Report Surplus Deficit	5796	5111	6335	5582	4765	5556	6474	8265	9634	9640	9331	10356	8608	7096
8	1936 Regional Report Surplus Deficit	6736	5858	6550	5010	5487	4101	3504	4143	6965	8759	10986	11186	9680	6221
9	1937 Regional Report Surplus Deficit	5971	5197	6502	4921	5857	4064	3119	3332	5994	6726	6033	9929	6858	5751
10	1938 Regional Report Surplus Deficit	5855	4777	7069	5250	4930	6083	6409	7655	9571	11699	11263	10708	9588	6968
11	1939 Regional Report Surplus Deficit	6480	5890	7167	5984	5496	4474	5426	6103	8020	10432	10174	10895	6614	5916
12	1940 Regional Report Surplus Deficit	5291	4036	6563	5565	6086	5727	5147	5141	10508	10776	9583	10700	7155	5779
13	1941 Regional Report Surplus Deficit	4959	3815	6577	5437	5013	5551	3942	5011	6813	7049	7724	9422	6221	5574
14	1942 Regional Report Surplus Deficit	5326	4305	7419	5592	6652	6145	6047	6883	8475	8586	9784	10022	8920	7370
15	1943 Regional Report Surplus Deficit	6436	6099	8442	5992	4794	5507	6887	9149	10145	12125	11680	10590	10014	7004
16	1944 Regional Report Surplus Deficit	6783	6506	7080	4962	5641	4440	4240	5012	6350	5855	8750	8248	3602	4592
17	1945 Regional Report Surplus Deficit	4905	3475	6041	4628	5174	3423	3076	4633	6398	5904	5639	10712	9420	5545
18	1946 Regional Report Surplus Deficit	6238	5344	7267	5132	5357	5980	6199	7535	9770	11680	11276	10705	9726	7372
19	1947 Regional Report Surplus Deficit	6975	6819	7732	5453	6013	8107	7897	9774	10544	11182	10287	10695	9614	7338
20	1948 Regional Report Surplus Deficit	6308	5591	7302	9870	8511	6931	7986	8856	9487	11173	10971	10845	9604	7893
21	1949 Regional Report Surplus Deficit	6872	7149	9369	6053	5822	5394	6373	6502	10425	11726	11184	10920	9641	5522
22	1950 Regional Report Surplus Deficit	5653	4778	6555	5129	5553	5499	8054	9224	10730	11974	10815	10275	9773	7735
23	1951 Regional Report Surplus Deficit	7010	7324	7985	7455	9075	8327	8660	10555	10746	12116	10948	10649	9403	7716
24	1952 Regional Report Surplus Deficit	6987	7129	7884	9336	7507	6976	7613	9569	9916	12089	11570	10858	9957	7090
25	1953 Regional Report Surplus Deficit	6402	6238	6591	4836	5099	4201	6112	7623	9414	9898	9925	10780	10173	7771
26	1954 Regional Report Surplus Deficit	6752	6838	7684	5800	6272	6418	7653	9479	10281	11532	10515	10594	9643	8368
27	1955 Regional Report Surplus Deficit	7202	7072	11056	6135	7657	5848	5349	5680	6864	8671	9264	10130	10064	8532
28	1956 Regional Report Surplus Deficit	6877	7152	7355	6403	8383	8136	8629	9807	10198	11672	11124	10659	10285	7989
29	1957 Regional Report Surplus Deficit	7048	7322	7750	6374	5788	6615	6437	7155	9716	12230	10369	11063	10028	7053
30	1958 Regional Report Surplus Deficit	6756	6106	7256	5714	5949	5245	6910	7819	9874	11294	10931	10861	9890	6661
31	1959 Regional Report Surplus Deficit	6287	6035	7036	6027	6799	7686	8545	10002	10309	11881	10408	10353	9739	7164
32	1960 Regional Report Surplus Deficit	6966	7181	11035	10438	9168	7440	7251	7908	9715	11996	10862	10563	9576	6897
33	1961 Regional Report Surplus Deficit	6778	5840	6850	5890	5748	5658	7121	8238	10417	11523	9614	10350	9481	6671
34	1962 Regional Report Surplus Deficit	6488	5986	6799	5028	5783	4965	6475	7905	7639	12013	11041	10702	9692	5767
35	1963 Regional Report Surplus Deficit	6507	6034	6890	6274	7255	7369	7024	8788	9335	9750	9647	11060	9258	6979
36	1964 Regional Report Surplus Deficit	6467	6118	7618	5493	5297	5646	5674	6191	7737	11697	9619	10397	10232	8346
37	1965 Regional Report Surplus Deficit	6926	7113	8945	7324	7076	8070	8445	10108	10449	11015	11156	10502	9353	7435
38	1966 Regional Report Surplus Deficit	7049	7220	7340	6345	6548	5987	6427	7106	7926	12042	10369	10289	8757	6955
39	1967 Regional Report Surplus Deficit	6437	5919	6964	4934	5392	5974	8033	9665	10414	10339	6931	10325	9767	7744
40	1968 Regional Report Surplus Deficit	6891	6958	7628	5994	6682	6057	7453	8864	10474	9274	8521	10045	9470	7235
41	1969 Regional Report Surplus Deficit	6784	6894	9596	7718	8527	6975	8264	9842	10157	11832	10957	10883	9835	7375
42	1970 Regional Report Surplus Deficit	6892	6570	7364	5902	6238	5078	6558	8523	9527	10836	8260	10746	9880	6781
43	1971 Regional Report Surplus Deficit	6324	5813	7005	5008	5772	5395	8358	10052	10729	11834	10722	10737	10210	8444
44	1972 Regional Report Surplus Deficit	7312	7403	8881	6577	6243	6393	8381	9436	10691	12033	10764	10723	9927	8213
45	1973 Regional Report Surplus Deficit	7074	7135	9754	6437	6317	6090	6782	6796	6883	5211	7941	9632	6925	5869
46	1974 Regional Report Surplus Deficit	5567	4305	6943	5197	4975	7188	8563	9844	10409	11563	10944	10114	9822	8712
47	1975 Regional Report Surplus Deficit	7121	7194	9361	5495	5986	5503	6392	8428	10169	9796	9616	10708	10088	8904
48	1976 Regional Report Surplus Deficit	7016	7234	8630	8084	8982	8581	8481	10151	10586	11866	10834	10734	9787	8067
49	1977 Regional Report Surplus Deficit	7318	7222	11242	6532	6097	4365	3947	5271	6731	5394	8132	8334	2072	5213
50	1978 Regional Report Surplus Deficit	4778	3512	5883	4504	4636	6631	6626	8238	9180	11648	10478	10763	8707	7441
51	1979 Regional Report Surplus Deficit	6551	5971	9585	6558	6146	5118	5712	5749	9356	9417	9836	11075	7677	5370
52	1980 Regional Report Surplus Deficit	4840	4526	6663	5629	5610	4165	5414	6131	7055	10847	10733	11175	9526	6255
53	1981 Regional Report Surplus Deficit	5830	4999	7115	5839	5770	7696	7721	9234	9670	7520	9870	10566	9781	7318
54	1982 Regional Report Surplus Deficit	6562	7020	7956	5909	6490	6577	7800	9950	10619	11944	10446	10370	9902	7957

Regional Report Surplus Deficit By Water Year

Operating Year 2015

2012 White Book Report Date: **10/19/2012** *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	7157	7238	10716	7828	6858	6968	8213	9761	10891	11962	10100	10565	9686	7995
56	1984 Regional Report Surplus Deficit	6793	7369	8425	6218	9347	6946	7671	9611	10668	12034	10708	10743	10259	7968
57	1985 Regional Report Surplus Deficit	7151	6956	7919	6387	6810	6022	5996	6945	8815	11628	10610	10723	8590	4826
58	1986 Regional Report Surplus Deficit	4863	3669	6879	7441	8389	5551	7142	9407	10762	11661	10714	10524	9447	6630
59	1987 Regional Report Surplus Deficit	6321	5402	7007	5311	5744	6197	5804	5772	8716	8757	9372	10380	7924	5652
60	1988 Regional Report Surplus Deficit	4655	3301	6668	4861	4959	3894	3463	3555	6428	7719	9557	10225	6923	6332
61	1989 Regional Report Surplus Deficit	5392	4409	6975	4918	4955	5564	4379	4401	8706	11745	10802	10616	8721	5477
62	1990 Regional Report Surplus Deficit	5433	4458	6906	5045	6686	6033	6826	8639	10014	10946	11314	10420	9607	6819
63	1991 Regional Report Surplus Deficit	6803	6698	7157	4729	8645	6999	7489	9567	9977	11548	9937	10406	9380	7544
64	1992 Regional Report Surplus Deficit	6848	7112	7229	4778	5670	4695	5079	5666	8216	7285	8153	9532	5180	4772
65	1993 Regional Report Surplus Deficit	4234	3188	6127	5029	5207	4659	2842	3270	7815	8488	9440	10341	9225	6569
66	1994 Regional Report Surplus Deficit	6192	5275	6820	4844	6159	4488	3627	4601	6340	6741	9328	10038	7913	6116
67	1995 Regional Report Surplus Deficit	5362	4047	6639	4675	4783	4881	4969	8167	10433	9991	9035	10821	9763	7043
68	1996 Regional Report Surplus Deficit	6491	5960	8158	7801	9073	8193	8657	10436	10800	12191	11736	10851	9822	8043
69	1997 Regional Report Surplus Deficit	6972	7188	7548	5660	6342	6911	8677	9787	10711	11698	11360	10453	9875	8297
70	1998 Regional Report Surplus Deficit	7248	7383	10390	10269	8479	6785	6652	7658	9070	9833	10043	10821	10069	7370
71	1999 Regional Report Surplus Deficit	6668	5809	7336	5594	5137	6519	8319	9753	10780	11426	10733	10630	10245	8347
72	2000 Regional Report Surplus Deficit	7442	7567	9261	6165	9076	7452	7141	8298	10042	12183	11216	10531	9130	6996
73	2001 Regional Report Surplus Deficit	6929	5397	7014	5634	5693	4331	3900	4868	6753	5938	8662	9118	1319	4585
74	2002 Regional Report Surplus Deficit	4453	3826	5841	3792	4722	4855	4303	5632	7402	11025	10770	10257	9586	7667
75	2003 Regional Report Surplus Deficit	6947	6569	7144	4253	5848	4385	4177	4967	9654	10939	9995	10296	9662	5570
76	2004 Regional Report Surplus Deficit	5018	3752	6522	5321	5605	6028	4870	4588	8511	9812	9419	10466	8681	5896
77	2005 Regional Report Surplus Deficit	5454	4946	7492	5758	5743	5952	5826	6911	7762	7512	9193	10453	8970	6134
78	2006 Regional Report Surplus Deficit	5990	4586	6690	4832	5602	5495	6759	9505	9964	11829	11025	10742	9850	6742
79	2007 Regional Report Surplus Deficit	6070	5200	6889	4580	6557	5532	6895	7035	10846	11389	10131	10504	8516	7077
80	2008 Regional Report Surplus Deficit	6473	4506	6511	5205	5268	4955	4973	5747	8002	9877	7838	10459	10229	7532
	Ranked Averages														
81	**Bottom 10 pct**	**4643**	**3599**	**6294**	**5088**	**5437**	**4661**	**4391**	**5529**	**8059**	**9881**	**9789**	**10596**	**9079**	**6634**
82	**Middle 80 pct**	**6388**	**5909**	**7444**	**5889**	**6304**	**6000**	**6467**	**7683**	**9242**	**10294**	**9949**	**10420**	**8844**	**6851**
83	**Top 10 pct**	**7244**	**7254**	**9853**	**6924**	**7151**	**6167**	**6509**	**7685**	**9159**	**10187**	**9968**	**10317**	**8703**	**7256**

Regional Report Surplus Deficit By Water Year

Operating Year 2016

2012 White Book Report Date: **10/19/2012**

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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	6284	6002	6123	5570	5086	3992	3287	4280	7400	3817	6256	10593	9247	4123
2	1930 Regional Report Surplus Deficit	5131	4367	5950	4970	4800	3882	2277	4493	7437	4622	6792	9816	5738	5766
3	1931 Regional Report Surplus Deficit	5281	4274	5416	4626	5056	3685	1579	2411	7078	5560	4191	10889	6479	5103
4	1932 Regional Report Surplus Deficit	4236	2762	5517	4434	4052	3745	1378	2558	9400	9249	8596	11893	10637	6235
5	1933 Regional Report Surplus Deficit	6092	5805	6612	5511	4388	5444	5446	8088	9397	8145	7362	11264	10874	7682
6	1934 Regional Report Surplus Deficit	6410	6745	6722	7049	8364	7761	7863	9444	10103	8964	8291	11163	8931	5702
7	1935 Regional Report Surplus Deficit	5040	4212	5087	5234	4166	5114	5683	7640	9456	7157	6936	11445	9650	6762
8	1936 Regional Report Surplus Deficit	6333	5515	5699	4617	4673	3732	2653	3395	7854	6294	8595	12319	10589	5733
9	1937 Regional Report Surplus Deficit	5509	4467	5630	4521	5005	3686	2270	2548	7117	4307	3721	10843	8023	5153
10	1938 Regional Report Surplus Deficit	5665	4399	5596	4889	4238	5618	5616	7030	9602	9190	8881	11763	10493	6609
11	1939 Regional Report Surplus Deficit	5957	4856	6290	5632	4701	4120	4613	5451	8678	7938	7768	11974	7767	5375
12	1940 Regional Report Surplus Deficit	4727	3810	5594	5236	5229	5260	4337	4428	10195	8277	7180	11788	8282	5226
13	1941 Regional Report Surplus Deficit	4815	3401	5253	5096	4210	5100	3101	4313	7694	4610	5347	10430	7356	5137
14	1942 Regional Report Surplus Deficit	4587	3410	5268	5234	5794	5675	5249	6249	8806	6125	7379	11086	9896	7039
15	1943 Regional Report Surplus Deficit	5971	5293	7253	5645	4196	5081	6099	8519	9902	9619	9311	11646	10819	6636
16	1944 Regional Report Surplus Deficit	6287	5774	6148	4513	4824	4082	3410	4322	7473	3448	6365	8366	4824	3941
17	1945 Regional Report Surplus Deficit	3758	2227	4503	4269	4347	3101	2207	3896	7521	3511	3347	11806	10341	4791
18	1946 Regional Report Surplus Deficit	5806	4934	5886	4717	4601	5521	5400	6909	9722	9172	8900	11761	10619	7045
19	1947 Regional Report Surplus Deficit	6518	6209	6689	5001	5187	7575	7122	9130	10101	8679	7881	11750	10468	7008
20	1948 Regional Report Surplus Deficit	5908	4906	6391	9479	7732	6426	7212	8227	9455	8669	8586	12102	10390	7547
21	1949 Regional Report Surplus Deficit	6396	6751	8649	5690	5013	4963	5583	5861	10062	9217	8795	12000	10536	4775
22	1950 Regional Report Surplus Deficit	5218	4231	5496	4735	4762	5059	7281	8559	10261	9466	8417	11331	10615	7404
23	1951 Regional Report Surplus Deficit	6553	6869	7015	7147	8329	7794	7897	9890	10266	9607	8563	11705	10334	7376
24	1952 Regional Report Surplus Deficit	6496	6730	6909	8984	6657	6471	6835	8935	9799	9580	9196	12049	10805	6733
25	1953 Regional Report Surplus Deficit	5858	5164	5770	4398	4326	3827	5311	6993	9476	7410	7523	11841	10952	7437
26	1954 Regional Report Surplus Deficit	6191	5980	6689	5418	5427	5939	6873	8845	9953	9027	8110	11649	10502	7987
27	1955 Regional Report Surplus Deficit	6680	6766	10673	5777	6822	5384	4536	5018	7640	6212	6864	11222	10870	8140
28	1956 Regional Report Surplus Deficit	6414	6559	6318	6061	7593	7603	7858	9230	9732	9144	8749	11758	11071	7649
29	1957 Regional Report Surplus Deficit	6570	6870	6757	6029	4988	6131	5646	6523	9757	9722	7963	12349	10801	6719
30	1958 Regional Report Surplus Deficit	6403	5797	6211	5329	5113	4843	6121	7191	9683	8788	8531	12018	10719	6268
31	1959 Regional Report Surplus Deficit	5528	5394	6104	5681	5940	7161	7777	9348	9953	9372	8002	11429	10556	6826
32	1960 Regional Report Surplus Deficit	6521	6742	10620	10058	8427	6914	6471	7284	9716	9495	8473	11650	10475	6559
33	1961 Regional Report Surplus Deficit	6294	5225	5949	5527	4940	5210	6340	7614	10063	9015	7211	11405	10293	6328
34	1962 Regional Report Surplus Deficit	6215	5488	5859	4622	4958	4560	5683	7281	8295	9509	8664	11758	10546	5111
35	1963 Regional Report Surplus Deficit	6097	5187	5848	5958	6404	6850	6241	8034	9420	7272	7247	12152	10215	6644
36	1964 Regional Report Surplus Deficit	6082	5321	6752	5077	4554	5204	4867	5541	8395	9188	7219	11461	11018	7972
37	1965 Regional Report Surplus Deficit	6464	6676	8108	7018	6219	7537	7690	9443	9983	8515	8781	11569	10248	7102
38	1966 Regional Report Surplus Deficit	6586	6795	6264	6008	5690	5520	5633	6476	8563	9534	7963	11349	9758	6620
39	1967 Regional Report Surplus Deficit	6036	5234	6182	4538	4615	5516	7259	9021	9987	7849	4594	11409	10580	7406
40	1968 Regional Report Surplus Deficit	6435	6415	6651	5631	5824	5591	6671	8239	10090	6797	6136	10912	10335	6905
41	1969 Regional Report Surplus Deficit	6320	6394	8968	7411	7750	6469	7496	9164	9789	9324	8575	12013	10720	7045
42	1970 Regional Report Surplus Deficit	6432	5912	6399	5516	5391	4682	5763	7899	9556	8338	5890	11834	10699	6395
43	1971 Regional Report Surplus Deficit	5492	4720	6083	4597	4974	4978	7588	9399	10247	9325	8335	11873	11003	8075
44	1972 Regional Report Surplus Deficit	6858	6961	8019	6237	5416	5917	7590	8771	10221	9523	8365	11849	10718	7846
45	1973 Regional Report Surplus Deficit	6624	6717	9084	6095	5475	5636	5991	6159	7832	2843	5572	10536	8069	5294
46	1974 Regional Report Surplus Deficit	5166	3606	5465	4829	4363	6678	7813	9200	9942	9035	8568	11207	10636	8320
47	1975 Regional Report Surplus Deficit	6675	6765	8653	5042	5161	5084	5595	7803	9970	7310	7213	11768	10880	8485
48	1976 Regional Report Surplus Deficit	6562	6782	7723	7776	8234	8050	7711	9497	10109	9359	8452	11835	10665	7708
49	1977 Regional Report Surplus Deficit	6829	6870	10804	6200	5259	3995	3118	4598	7662	3014	5755	8378	3312	4588
50	1978 Regional Report Surplus Deficit	4164	2882	4919	4025	4015	6136	5835	7432	9398	9139	8073	11821	9704	7111
51	1979 Regional Report Surplus Deficit	6087	5235	7907	6238	5304	4710	4913	5074	9530	6940	7431	12131	8790	4624
52	1980 Regional Report Surplus Deficit	4439	3990	5878	5251	4779	3839	4603	5472	7996	8343	8330	12377	10382	5730
53	1981 Regional Report Surplus Deficit	5274	4150	6263	5484	4943	7170	6944	8601	9573	5082	7464	11644	10570	6987
54	1982 Regional Report Surplus Deficit	6109	6564	7463	5524	5634	6088	7023	9212	10273	9435	8046	11460	10720	7612

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	6650	6822	9870	7521	6000	6467	7439	9096	10406	9453	7694	11621	10574	7649
56	1984 Regional Report Surplus Deficit	6329	6910	7990	5853	8617	6447	6890	8977	10332	9528	8327	11798	11052	7622
57	1985 Regional Report Surplus Deficit	6752	6657	7374	6019	5955	5563	5196	6311	9031	9121	8211	11781	9630	3897
58	1986 Regional Report Surplus Deficit	4309	3401	5866	7135	7593	5105	6357	8776	10400	9152	8324	11612	10318	6239
59	1987 Regional Report Surplus Deficit	5855	4640	6049	4878	4957	5731	4998	5104	9057	6294	6974	11472	8968	5026
60	1988 Regional Report Surplus Deficit	4323	3232	5429	4474	4129	3579	2610	2774	7434	5285	7157	11124	8071	5924
61	1989 Regional Report Surplus Deficit	5379	3941	5424	4505	4247	5116	3548	3658	9066	9239	8418	11688	9753	4740
62	1990 Regional Report Surplus Deficit	4843	4212	5832	4649	5828	5558	6038	8009	9766	8447	8939	11499	10487	6448
63	1991 Regional Report Surplus Deficit	6318	6034	6092	4250	7892	6483	6711	8924	9651	9039	7531	11466	10263	7201
64	1992 Regional Report Surplus Deficit	6384	6638	6259	4338	4853	4308	4267	5001	8601	4847	5775	10341	6358	4115
65	1993 Regional Report Surplus Deficit	3936	2847	4777	4667	4389	4256	1973	2474	8389	6030	7043	11419	10187	6130
66	1994 Regional Report Surplus Deficit	5845	4892	5506	4433	5300	4091	2778	3901	7443	4324	6931	11127	8971	5632
67	1995 Regional Report Surplus Deficit	4918	3508	5412	4272	4082	4474	4148	7543	10074	7503	6641	11899	10621	6683
68	1996 Regional Report Surplus Deficit	6055	5444	6642	7490	8308	7681	7866	9771	10464	9683	9366	11929	10640	7680
69	1997 Regional Report Surplus Deficit	6523	6733	6431	5257	5495	6413	7921	9142	10391	9190	8989	11547	10663	7919
70	1998 Regional Report Surplus Deficit	6769	6955	9912	9866	7690	6295	5858	7031	9322	7349	7638	12003	10877	7011
71	1999 Regional Report Surplus Deficit	6242	5725	6373	5181	4452	6040	7549	9088	10305	8918	8334	11686	11039	7987
72	2000 Regional Report Surplus Deficit	6974	7137	8501	5809	8350	6933	6355	7674	9875	9675	8838	11622	10129	6655
73	2001 Regional Report Surplus Deficit	6464	4579	6085	5238	4867	3966	3071	4177	7679	3539	6278	9762	2564	3943
74	2002 Regional Report Surplus Deficit	3639	2623	4466	3312	4034	4453	3469	4970	8135	8524	8381	11334	10432	7331
75	2003 Regional Report Surplus Deficit	6446	5531	6002	3788	4992	4008	3342	4278	9605	8438	7589	11386	10532	4839
76	2004 Regional Report Surplus Deficit	4229	3405	5357	4973	4760	5551	4052	3854	8859	7324	7018	11555	9686	5274
77	2005 Regional Report Surplus Deficit	4681	4119	7666	5409	4906	5473	5030	6282	8287	5069	6793	11528	9949	5597
78	2006 Regional Report Surplus Deficit	5668	4119	5534	4476	4772	5054	5969	8869	9715	9327	8650	11974	10716	6314
79	2007 Regional Report Surplus Deficit	5708	4540	5725	4100	5698	5090	6110	6404	10410	8881	7726	11585	9543	6732
80	2008 Regional Report Surplus Deficit	5874	4205	5273	4859	4447	4537	4158	5093	8537	7392	5484	11563	11014	7202

Ranked Averages

81	**Bottom 10 pct**	**4074**	**2923**	**5104**	**4661**	**4665**	**4491**	**3485**	**4592**	**8692**	**7277**	**7242**	**11570**	**9922**	**6129**
82	**Middle 80 pct**	**5917**	**5338**	**6426**	**5518**	**5509**	**5519**	**5680**	**7048**	**9299**	**7825**	**7583**	**11468**	**9784**	**6420**
83	**Top 10 pct**	**6773**	**6867**	**9226**	**6559**	**6332**	**5705**	**5711**	**7038**	**9266**	**7707**	**7572**	**11281**	**9624**	**6784**

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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	5373	5441	5745	5238	5611	3367	2782	3917	6505	4203	6649	9759	7312	4039
2	1930 Regional Report Surplus Deficit	4266	3772	5570	4638	5307	3257	1793	4130	6560	4973	7180	8831	3824	5245
3	1931 Regional Report Surplus Deficit	4374	3679	5041	4295	5498	3069	1116	2011	6151	5879	4573	9669	4532	4648
4	1932 Regional Report Surplus Deficit	3501	2133	5141	4101	4625	3119	925	2159	8929	9503	8948	10513	8851	5674
5	1933 Regional Report Surplus Deficit	5207	5251	6217	5181	4964	4881	4926	7620	8940	8403	7740	9943	9100	7081
6	1934 Regional Report Surplus Deficit	5649	6249	6329	6707	8862	7249	7338	8938	9666	9216	8646	9860	7051	5148
7	1935 Regional Report Surplus Deficit	4210	3615	4713	4905	4709	4535	5164	7202	9011	7432	7324	10116	7741	6145
8	1936 Regional Report Surplus Deficit	5557	4938	5326	4283	5207	3109	2164	3020	7058	6591	8943	10926	8763	5249
9	1937 Regional Report Surplus Deficit	4592	3866	5257	4186	5457	3068	1780	2159	6191	4670	4101	9640	6073	4772
10	1938 Regional Report Surplus Deficit	4765	3796	5222	4559	4816	5056	5095	6618	9118	9444	9235	10460	8669	6014
11	1939 Regional Report Surplus Deficit	5044	4263	5902	5302	5253	3490	4095	5082	7986	8201	8138	10659	5817	4940
12	1940 Regional Report Surplus Deficit	3884	3207	5218	4906	5655	4699	3818	4062	9763	8537	7559	10459	6335	4802
13	1941 Regional Report Surplus Deficit	3965	2790	4880	4766	4756	4528	2603	3950	6902	4944	5741	9156	5408	4607
14	1942 Regional Report Surplus Deficit	3690	2809	4894	4903	6160	5117	4728	5864	8236	6425	7750	9772	8029	6421
15	1943 Regional Report Surplus Deficit	5098	4719	6828	5316	4739	4491	5582	8058	9464	9870	9705	10340	9044	6046
16	1944 Regional Report Surplus Deficit	5395	5203	5772	4170	5356	3453	2902	3959	6547	3829	6757	7791	2913	3609
17	1945 Regional Report Surplus Deficit	2903	1604	4125	3938	4866	2454	1738	3525	6594	3914	3720	10475	8513	4537
18	1946 Regional Report Surplus Deficit	4885	4345	5512	4380	5172	4954	4879	6503	9255	9427	9268	10455	8800	6422
19	1947 Regional Report Surplus Deficit	5733	5649	6295	4657	5708	7079	6613	8633	9668	8934	8250	10448	8674	6389
20	1948 Regional Report Surplus Deficit	5059	4326	6003	9040	7869	5899	6704	7767	8984	8925	8937	10584	8616	6941
21	1949 Regional Report Surplus Deficit	5711	6296	8187	5359	5554	4376	5064	5485	9631	9471	9144	10664	8723	4514
22	1950 Regional Report Surplus Deficit	4422	3618	5121	4401	5316	4478	6772	7974	9713	9720	8767	10029	8827	6786
23	1951 Regional Report Surplus Deficit	5874	6374	6618	6810	8471	7300	7383	9305	9824	9861	8913	10401	8494	6766
24	1952 Regional Report Surplus Deficit	5777	6217	6513	8584	6951	5944	6325	8458	9344	9834	9567	10596	9016	6128
25	1953 Regional Report Surplus Deficit	4964	4581	5396	4056	4892	3206	4790	6599	8985	7679	7903	10537	9177	6823
26	1954 Regional Report Surplus Deficit	5299	5412	6300	5085	5907	5388	6360	8370	9522	9282	8472	10345	8706	7405
27	1955 Regional Report Surplus Deficit	6021	6348	10200	5447	7059	4821	4018	4653	6896	6517	7248	9893	9094	7566
28	1956 Regional Report Surplus Deficit	5704	6024	5938	5731	7740	7108	7344	8646	9184	9280	9118	10400	9297	7039
29	1957 Regional Report Surplus Deficit	5878	6370	6369	5699	5538	5584	5126	6134	9270	9976	8328	10801	9024	6102
30	1958 Regional Report Surplus Deficit	5523	5226	5829	4996	5617	4238	5602	6793	9240	9043	8883	10600	8937	5700
31	1959 Regional Report Surplus Deficit	4615	4814	5723	5351	6330	6657	7268	8838	9522	9626	8366	10114	8777	6213
32	1960 Regional Report Surplus Deficit	5853	6269	10192	9567	8972	6411	5959	6866	9238	9741	8821	10326	8657	5945
33	1961 Regional Report Surplus Deficit	5418	4640	5571	5196	5482	4635	5826	7194	9632	9268	7591	10103	8516	5718
34	1962 Regional Report Surplus Deficit	5317	4918	5482	4286	5480	3957	5163	6863	7603	9761	9026	10456	8753	4785
35	1963 Regional Report Surplus Deficit	5179	4603	5473	5626	6705	6339	5727	7601	8947	7552	7631	10822	8359	6028
36	1964 Regional Report Surplus Deficit	5190	4744	6354	4739	5130	4625	4347	5171	7702	9442	7603	10155	9244	7386
37	1965 Regional Report Surplus Deficit	5761	6204	7667	6676	6558	7043	7161	8858	9436	8775	9149	10247	8432	6484
38	1966 Regional Report Surplus Deficit	5912	6341	5885	5679	6104	4959	5112	6084	7879	9788	8329	10038	7873	6004
39	1967 Regional Report Surplus Deficit	5221	4652	5798	4204	5179	4949	6751	8523	9556	8116	4983	10090	8803	6794
40	1968 Regional Report Surplus Deficit	5713	5872	6258	5300	6240	5030	6156	7798	9659	7079	6529	9745	8541	6283
41	1969 Regional Report Surplus Deficit	5567	5853	8488	7061	7886	5944	6987	8579	9312	9567	8930	10623	8911	6426
42	1970 Regional Report Surplus Deficit	5658	5347	6013	5183	5868	4074	5243	7463	9072	8598	6284	10510	8920	5821
43	1971 Regional Report Surplus Deficit	4613	4126	5705	4261	5524	4382	7080	8889	9805	9580	8685	10476	9229	7492
44	1972 Regional Report Surplus Deficit	6199	6483	7589	5908	5934	5364	6996	8186	9672	9776	8716	10462	8944	7261
45	1973 Regional Report Surplus Deficit	5966	6280	8614	5765	5964	5066	5472	5778	7007	3271	5966	9340	6120	4891
46	1974 Regional Report Surplus Deficit	4276	2996	5091	4498	4925	6156	7272	8765	9394	9171	8935	9856	8858	7746
47	1975 Regional Report Surplus Deficit	6015	6317	8192	4698	5682	4490	5074	7368	9528	7581	7592	10464	9106	7928
48	1976 Regional Report Surplus Deficit	5868	6253	7301	7423	8374	7551	7203	8987	9670	9613	8807	10475	8859	7111
49	1977 Regional Report Surplus Deficit	6170	6469	10397	5870	5755	3372	2610	4235	6846	3442	6149	7874	1458	4232
50	1978 Regional Report Surplus Deficit	3391	2249	4528	3674	4580	5599	5316	7010	8905	9393	8435	10518	7822	6492
51	1979 Regional Report Surplus Deficit	5166	4651	7460	5907	5794	4109	4391	4712	9009	7221	7808	10828	6847	4385
52	1980 Regional Report Surplus Deficit	3661	3382	5501	4919	5291	3195	4084	5106	7175	8599	8686	10914	8589	5269
53	1981 Regional Report Surplus Deficit	4358	3551	5875	5154	5461	6667	6434	8130	9115	5416	7838	10328	8795	6370
54	1982 Regional Report Surplus Deficit	5392	6072	7039	5191	6064	5546	6513	8627	9847	9689	8397	10112	8941	7006

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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	5979	6361	9377	7176	6404	5936	6931	8511	9957	9707	8060	10315	8762	7043
56	1984 Regional Report Surplus Deficit	5655	6455	7559	5522	8807	5914	6376	8502	9901	9780	8682	10494	9278	7017
57	1985 Regional Report Surplus Deficit	6057	6105	6963	5688	6396	4996	4675	5926	8497	9375	8562	10471	7722	3840
58	1986 Regional Report Surplus Deficit	3590	2772	5492	6793	7747	4529	5840	8308	9996	9406	8672	10287	8517	5666
59	1987 Regional Report Surplus Deficit	4937	4049	5669	4538	5515	5170	4478	4740	8484	6593	7359	10142	7058	4671
60	1988 Regional Report Surplus Deficit	3560	2611	5055	4141	4642	2931	2124	2386	6581	5625	7542	9931	6121	5368
61	1989 Regional Report Surplus Deficit	4474	3340	5050	4167	4825	4541	3041	3285	8487	9493	8769	10377	7849	4492
62	1990 Regional Report Surplus Deficit	3997	3610	5458	4315	6196	5004	5519	7549	9329	8705	9309	10182	8680	5861
63	1991 Regional Report Surplus Deficit	5496	5473	5714	3899	8027	5967	6199	8428	9219	9293	7896	10162	8453	6593
64	1992 Regional Report Surplus Deficit	5648	6130	5876	3997	5384	3695	3749	4637	8014	5180	6169	9218	4410	3790
65	1993 Regional Report Surplus Deficit	3161	2230	4398	4336	4918	3652	1504	2079	7731	6337	7430	10103	8327	5602
66	1994 Regional Report Surplus Deficit	4923	4308	5131	4096	5703	3483	2287	3537	6541	4690	7319	9798	7053	5144
67	1995 Regional Report Surplus Deficit	4042	2901	5037	3936	4660	3872	3634	7125	9644	7771	7030	10576	8828	6077
68	1996 Regional Report Surplus Deficit	5134	4865	6249	7134	9035	7133	7273	9186	10055	9937	9748	10594	8862	7087
69	1997 Regional Report Surplus Deficit	5843	6242	6052	4921	5967	5880	7395	8703	9885	9415	9369	10195	8890	7334
70	1998 Regional Report Surplus Deficit	6108	6498	9419	9408	7836	5754	5337	6630	8778	7622	8011	10559	9102	6395
71	1999 Regional Report Surplus Deficit	5521	5156	5991	4844	5029	5490	7041	8504	9766	9172	8684	10384	9265	7394
72	2000 Regional Report Surplus Deficit	6310	6701	8049	5479	8577	6421	5838	7243	9428	9929	9199	10294	8246	6044
73	2001 Regional Report Surplus Deficit	5610	3972	5708	4903	5388	3341	2563	3815	6865	3933	6671	8768	750	3603
74	2002 Regional Report Surplus Deficit	2829	2007	4062	2961	4611	3848	2965	4605	7410	8782	8729	10011	8643	6718
75	2003 Regional Report Surplus Deficit	5585	4954	5624	3441	5425	3390	2838	3916	9138	8695	7959	10056	8731	4580
76	2004 Regional Report Surplus Deficit	3510	2781	4981	4643	5238	4999	3537	3484	8284	7594	7401	10225	7799	4916
77	2005 Regional Report Surplus Deficit	3885	3517	7222	5079	5405	4923	4509	5887	7648	5395	7177	10215	8078	5158
78	2006 Regional Report Surplus Deficit	4752	3519	5158	4146	5286	4474	5450	8389	9278	9578	9016	10480	8919	5753
79	2007 Regional Report Surplus Deficit	4789	3950	5351	3749	6082	4511	5593	6013	9978	9135	8089	10267	7643	6124
80	2008 Regional Report Surplus Deficit	4976	3596	4894	4530	4974	3942	3641	4726	7894	7663	5876	10201	9240	6583

Ranked Averages

81	**Bottom 10 pct**	**3306**	**2298**	**4723**	**4324**	**5154**	**3891**	**2993**	**4195**	**8054**	**7569**	**7610**	**10258**	**8074**	**5622**
82	**Middle 80 pct**	**5092**	**4776**	**6035**	**5177**	**5971**	**4952**	**5165**	**6610**	**8741**	**8099**	**7954**	**10170**	**7952**	**5894**
83	**Top 10 pct**	**6107**	**6410**	**8773**	**6209**	**6705**	**5144**	**5185**	**6594**	**8700**	**7994**	**7942**	**10042**	**7804**	**6289**

Regional Report Surplus Deficit By Water Year

Operating Year 2018

2012 White Book Report Date: **10/19/2012**

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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	4893	4884	5390	4939	5032	2950	2604	3486	4611	5158	7333	8866	8170	3328
2	1930 Regional Report Surplus Deficit	3784	3240	5214	4341	4737	2841	1712	3700	4697	5916	7871	8055	4783	4871
3	1931 Regional Report Surplus Deficit	3896	3147	4687	3991	4955	2627	1142	1673	4242	6812	5250	9073	5466	4221
4	1932 Regional Report Surplus Deficit	3001	1643	4787	3808	4022	2704	1009	1821	8091	10423	9674	10012	9618	5333
5	1933 Regional Report Surplus Deficit	4723	4696	5850	4873	4357	4373	4742	7231	8169	9322	8442	9410	9933	6771
6	1934 Regional Report Surplus Deficit	5147	5711	5964	6369	7765	6883	7330	8478	9276	10129	9369	9307	7834	4801
7	1935 Regional Report Surplus Deficit	3723	3085	4359	4588	4109	4035	4998	6788	8317	8352	8015	9595	8557	5852
8	1936 Regional Report Surplus Deficit	5057	4387	4971	3996	4624	2687	2065	2630	5346	7517	9672	10436	9514	4846
9	1937 Regional Report Surplus Deficit	4116	3341	4902	3904	4910	2633	1670	1800	4282	5617	4779	9031	6994	4287
10	1938 Regional Report Surplus Deficit	4287	3273	4867	4251	4209	4548	4913	6184	8217	10365	9960	9904	9420	5701
11	1939 Regional Report Surplus Deficit	4567	3728	5540	4988	4661	3089	3878	4632	6488	9120	8848	10119	6728	4497
12	1940 Regional Report Surplus Deficit	3399	2684	4864	4578	5119	4191	3600	3644	9205	9455	8260	9939	7222	4351
13	1941 Regional Report Surplus Deficit	3481	2277	4525	4446	4167	4024	2457	3522	5198	5881	6422	8600	6303	4241
14	1942 Regional Report Surplus Deficit	3211	2283	4540	4594	5644	4609	4528	5415	7047	7352	8458	9244	8800	6129
15	1943 Regional Report Surplus Deficit	4612	4166	6438	4999	4139	4002	5440	7663	8836	10784	10397	9786	9845	5730
16	1944 Regional Report Surplus Deficit	4912	4648	5418	3921	4774	3048	2715	3526	4638	4783	7441	6694	3873	3086
17	1945 Regional Report Surplus Deficit	2420	1106	3762	3629	4291	2105	1736	3125	4685	4876	4404	9954	9266	3939
18	1946 Regional Report Surplus Deficit	4409	3805	5158	4108	4570	4448	4678	6065	8431	10346	9981	9900	9555	6129
19	1947 Regional Report Surplus Deficit	5240	5092	5929	4411	5132	6663	6596	8273	9246	9854	8960	9892	9431	6098
20	1948 Regional Report Surplus Deficit	4569	3777	5642	8765	7342	5409	6699	7371	8145	9844	9664	10191	9454	6637
21	1949 Regional Report Surplus Deficit	5204	5769	7765	5053	4968	3884	4905	5034	9126	10392	9873	10130	9471	3941
22	1950 Regional Report Surplus Deficit	3930	3107	4762	4115	4723	3980	6765	7514	9189	10639	9495	9473	9590	6494
23	1951 Regional Report Surplus Deficit	5367	5837	6251	6471	7861	6891	7330	8845	9402	10781	9640	9845	9247	6465
24	1952 Regional Report Surplus Deficit	5271	5674	6147	8287	6454	5453	6279	8078	8590	10754	10277	10152	9780	5820
25	1953 Regional Report Surplus Deficit	4481	4034	5040	3801	4293	2778	4582	6154	8054	8599	8602	9985	10034	6527
26	1954 Regional Report Surplus Deficit	4816	4856	5939	4791	5349	4880	6291	7988	8980	10201	9189	9790	9460	7071
27	1955 Regional Report Surplus Deficit	5517	5830	9745	5137	6570	4313	3801	4205	5289	7444	7943	9369	9895	7226
28	1956 Regional Report Surplus Deficit	5197	5474	5582	5412	7231	6693	7351	8185	8657	10103	9830	9883	10136	6738
29	1957 Regional Report Surplus Deficit	5371	5831	6007	5381	4947	5078	4956	5687	8360	10894	9043	10436	9899	5809
30	1958 Regional Report Surplus Deficit	5037	4671	5472	4704	5048	3772	5447	6350	8558	9962	9609	10129	9709	5365
31	1959 Regional Report Surplus Deficit	4138	4265	5366	5034	5806	6208	7294	8453	9009	10547	9082	9574	9563	5916
32	1960 Regional Report Surplus Deficit	5347	5738	9765	9245	7824	5965	5896	6436	8368	10652	9550	9796	9406	5649
33	1961 Regional Report Surplus Deficit	4932	4096	5216	4890	4896	4132	5737	6765	9117	10189	8290	9547	9308	5419
34	1962 Regional Report Surplus Deficit	4834	4363	5128	4008	4903	3489	4991	6433	6107	10682	9744	9901	9509	4257
35	1963 Regional Report Surplus Deficit	4700	4058	5119	5291	6207	5873	5634	7182	8098	8474	8326	10300	9122	5734
36	1964 Regional Report Surplus Deficit	4706	4192	5985	4469	4525	4126	4130	4720	6204	10362	8299	9605	10082	7057
37	1965 Regional Report Surplus Deficit	5254	5673	7263	6338	6051	6637	7127	8399	8908	9694	9862	9704	9180	6193
38	1966 Regional Report Surplus Deficit	5406	5815	5530	5355	5572	4451	4928	5638	6400	10707	9043	9507	8660	5710
39	1967 Regional Report Surplus Deficit	4725	4105	5440	3919	4581	4442	6743	8155	9105	9036	5659	9555	9594	6497
40	1968 Regional Report Surplus Deficit	5208	5319	5892	4994	5707	4521	6055	7386	9176	8001	7213	9109	9288	5995
41	1969 Regional Report Surplus Deficit	5064	5300	8048	6726	7358	5454	7014	8119	8789	10390	9654	10131	9666	6138
42	1970 Regional Report Surplus Deficit	5157	4790	5653	4892	5311	3615	5055	7047	8173	9517	6963	9981	9703	5491
43	1971 Regional Report Surplus Deficit	4133	3592	5349	3986	4934	3902	7102	8429	9428	10498	9413	9989	10053	7162
44	1972 Regional Report Surplus Deficit	5696	5950	7194	5587	5359	4856	6862	7726	9149	10694	9443	9967	9772	6941
45	1973 Regional Report Surplus Deficit	5466	5758	8183	5446	5402	4560	5305	5328	5240	4243	6645	8725	7023	4423
46	1974 Regional Report Surplus Deficit	3797	2481	4736	4195	4323	5672	7196	8352	8868	9994	9649	9322	9648	7403
47	1975 Regional Report Surplus Deficit	5511	5792	7770	4453	5105	4007	4878	6951	8854	8501	8292	9911	9931	7561
48	1976 Regional Report Surplus Deficit	5361	5704	6913	7090	7770	7183	7221	8554	9286	10529	9531	9960	9613	6797
49	1977 Regional Report Surplus Deficit	5666	5954	9984	5544	5189	2948	2423	3792	5096	4413	6830	6731	2414	3727
50	1978 Regional Report Surplus Deficit	2897	1762	4150	3448	3977	5099	5149	6584	7970	10312	9152	9964	8607	6201
51	1979 Regional Report Surplus Deficit	4689	4105	7052	5574	5232	3637	4187	4270	7970	8143	8511	10272	7723	3790
52	1980 Regional Report Surplus Deficit	3167	2865	5146	4622	4719	2843	3866	4657	5416	9518	9409	10478	9347	4846
53	1981 Regional Report Surplus Deficit	3882	3023	5513	4842	4886	6219	6401	7744	8340	6353	8544	9789	9629	6077
54	1982 Regional Report Surplus Deficit	4886	5535	6651	4899	5526	5041	6474	8167	9384	10610	9124	9587	9727	6701

Regional Report Surplus Deficit By Water Year

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2012 White Book Report Date: **10/19/2012** *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	5472	5833	8922	6839	5875	5440	6925	8051	9430	10627	8774	9761	9511	6737
56	1984 Regional Report Surplus Deficit	5148	5929	7164	5217	8099	5417	6291	8120	9367	10694	9405	9938	10101	6710
57	1985 Regional Report Surplus Deficit	5550	5549	6585	5385	5854	4489	4470	5477	7418	10295	9289	9919	8537	3111
58	1986 Regional Report Surplus Deficit	3092	2281	5138	6455	7244	4027	5714	7919	9469	10326	9401	9759	9268	5335
59	1987 Regional Report Surplus Deficit	4458	3511	5314	4279	4921	4661	4262	4295	7284	7519	8053	9620	7875	4165
60	1988 Regional Report Surplus Deficit	3065	2110	4698	3850	4069	2580	2033	2025	4762	6564	8237	9314	7028	5023
61	1989 Regional Report Surplus Deficit	3996	2814	4692	3895	4218	4038	2859	2890	7269	10413	9496	9832	8658	3904
62	1990 Regional Report Surplus Deficit	3513	3085	5104	4030	5680	4496	5368	7154	8705	9624	10021	9644	9429	5542
63	1991 Regional Report Surplus Deficit	5002	4917	5359	3673	7441	5492	6144	8066	8675	10214	8610	9609	9202	6290
64	1992 Regional Report Surplus Deficit	5144	5589	5518	3742	4803	3248	3531	4190	6772	6117	6850	8548	5342	3262
65	1993 Regional Report Surplus Deficit	2667	1725	4033	4029	4338	3186	1501	1731	6311	7265	8122	9564	9093	5234
66	1994 Regional Report Surplus Deficit	4446	3763	4777	3822	5175	3024	2180	3111	4634	5638	8010	9277	7881	4743
67	1995 Regional Report Surplus Deficit	3561	2383	4683	3657	4053	3402	3426	6695	9133	8690	7720	10053	9586	5772
68	1996 Regional Report Surplus Deficit	4656	4315	5884	6803	7696	6732	7141	8727	9531	10857	10449	10060	9646	6767
69	1997 Regional Report Surplus Deficit	5336	5705	5696	4642	5412	5382	7382	8294	9363	10237	10072	9674	9722	7009
70	1998 Regional Report Surplus Deficit	5604	5972	8966	9135	7325	5251	5155	6189	7663	8542	8718	10108	9907	6107
71	1999 Regional Report Surplus Deficit	5015	4601	5634	4571	4422	4982	7057	8043	9239	10092	9412	9828	10086	7076
72	2000 Regional Report Surplus Deficit	5805	6179	7635	5168	7813	5954	5706	6823	8723	10848	9917	9769	9032	5746
73	2001 Regional Report Surplus Deficit	5120	3454	5353	4619	4812	2923	2376	3382	5120	4892	7354	7999	1695	3086
74	2002 Regional Report Surplus Deficit	2340	1500	3668	2736	4004	3383	2792	4157	5843	9701	9458	9488	9403	6421
75	2003 Regional Report Surplus Deficit	5096	4403	5268	3204	4886	2956	2670	3482	8316	9614	8669	9536	9483	4000
76	2004 Regional Report Surplus Deficit	3012	2284	4620	4327	4680	4491	3325	3082	7078	8513	8097	9705	8589	4413
77	2005 Regional Report Surplus Deficit	3394	2993	6815	4764	4838	4415	4319	5443	6274	6330	7872	9673	8853	4718
78	2006 Regional Report Surplus Deficit	4276	2992	4803	3835	4712	3975	5290	8012	8656	10494	9730	10068	9674	5411
79	2007 Regional Report Surplus Deficit	4313	3411	4996	3524	5560	4011	5468	5567	9548	10055	8805	9730	8447	5823
80	2008 Regional Report Surplus Deficit	4498	3080	4528	4212	4395	3460	3425	4275	6511	8583	6553	9688	10082	6291

Ranked Averages

81	**Bottom 10 pct**	**2812**	**1801**	**4357**	**4035**	**4578**	**3447**	**2907**	**3805**	**6776**	**8498**	**8318**	**9720**	**8859**	**5237**
82	**Middle 80 pct**	**4602**	**4238**	**5668**	**4881**	**5371**	**4485**	**5050**	**6186**	**7798**	**9018**	**8661**	**9617**	**8763**	**5525**
83	**Top 10 pct**	**5603**	**5882**	**8350**	**5906**	**6136**	**4657**	**5028**	**6152**	**7703**	**8921**	**8651**	**9442**	**8625**	**5894**

Regional Report Surplus Deficit By Water Year

Operating Year 2019

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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	4529	4518	5217	4551	4588	2658	2156	3086	4152	3441	6216	7878	6630	2964
2	1930 Regional Report Surplus Deficit	3390	3040	5040	3951	4276	2549	1273	3301	4245	4218	6756	7134	3173	4277
3	1931 Regional Report Surplus Deficit	3518	2949	4517	3606	4459	2292	704	1317	3772	5131	4137	8265	3883	3652
4	1932 Regional Report Surplus Deficit	2571	1537	4616	3415	3671	2412	570	1463	7736	8772	8597	9253	8174	4730
5	1933 Regional Report Surplus Deficit	4361	4301	5659	4491	4099	3881	4253	6827	7810	7668	7330	8687	8503	6233
6	1934 Regional Report Surplus Deficit	4782	5257	5776	6059	7516	6394	6785	7977	8852	8494	8295	8575	6336	4199
7	1935 Regional Report Surplus Deficit	3319	2892	4189	4215	3931	3576	4503	6377	7951	6693	6900	8863	7039	5262
8	1936 Regional Report Surplus Deficit	4692	4100	4801	3600	4191	2385	1624	2250	4924	5848	8586	9676	8046	4265
9	1937 Regional Report Surplus Deficit	3742	3162	4731	3505	4418	2310	1228	1434	3811	3912	3667	8212	5419	3752
10	1938 Regional Report Surplus Deficit	3905	3098	4695	3869	3925	4054	4424	5770	7864	8712	8884	9167	7954	5093
11	1939 Regional Report Surplus Deficit	4191	3521	5357	4612	4253	2824	3415	4219	6099	7464	7740	9394	5159	3937
12	1940 Regional Report Surplus Deficit	2998	2512	4694	4220	4617	3695	3134	3251	8822	7801	7147	9206	5667	3796
13	1941 Regional Report Surplus Deficit	3082	2126	4354	4077	3749	3550	2013	3124	4777	4193	5306	7823	4744	3645
14	1942 Regional Report Surplus Deficit	2828	2103	4370	4214	5130	4108	4047	4999	6689	5681	7350	8496	7311	5559
15	1943 Regional Report Surplus Deficit	4250	3868	6211	4626	3960	3572	4937	7258	8463	9148	9341	9044	8411	5125
16	1944 Regional Report Surplus Deficit	4549	4332	5248	3508	4338	2773	2266	3125	4167	3068	6325	5600	2262	2577
17	1945 Regional Report Surplus Deficit	2023	979	3580	3249	3840	1921	1298	2741	4215	3148	3289	9226	7790	3502
18	1946 Regional Report Surplus Deficit	4037	3582	4988	3704	4211	3963	4197	5650	8075	8692	8915	9159	8091	5539
19	1947 Regional Report Surplus Deficit	4863	4720	5740	3997	4684	6155	6065	7822	8833	8200	7852	9155	7982	5520
20	1948 Regional Report Surplus Deficit	4206	3510	5459	8579	6900	4879	6166	6965	7790	8191	8584	9428	8024	6094
21	1949 Regional Report Surplus Deficit	4838	5329	7488	4670	4542	3443	4408	4619	8733	8738	8790	9377	8005	3494
22	1950 Regional Report Surplus Deficit	3517	2960	4587	3718	4320	3524	6164	7013	8713	8992	8402	8737	8145	5915
23	1951 Regional Report Surplus Deficit	5002	5382	6058	6149	7472	6386	6700	8344	8927	9133	8561	9106	7774	5915
24	1952 Regional Report Surplus Deficit	4905	5222	5956	8067	5941	4924	5754	7676	8230	9107	9213	9390	8333	5223
25	1953 Regional Report Surplus Deficit	4118	3780	4868	3390	3915	2465	4105	5738	7702	6941	7490	9254	8606	5967
26	1954 Regional Report Surplus Deficit	4454	4525	5756	4399	4870	4370	5771	7585	8594	8548	8085	9049	8010	6555
27	1955 Regional Report Surplus Deficit	5157	5417	9424	4757	6066	3821	3339	3795	4884	5771	6829	8644	8460	6711
28	1956 Regional Report Surplus Deficit	4831	5040	5409	5042	6773	6186	6720	7684	8182	8362	8765	9126	8706	6188
29	1957 Regional Report Surplus Deficit	5005	5376	5825	5009	4534	4562	4463	5271	8008	9249	7937	9692	8472	5217
30	1958 Regional Report Surplus Deficit	4675	4348	5297	4311	4585	3391	4949	5934	8191	8310	8513	9368	8268	4761
31	1959 Regional Report Surplus Deficit	3762	3998	5191	4661	5296	5685	6757	7951	8617	8895	7976	8849	8125	5320
32	1960 Regional Report Surplus Deficit	4984	5289	9490	9047	7583	5444	5375	6022	8014	9023	8467	9073	7941	5054
33	1961 Regional Report Surplus Deficit	4570	3854	5044	4507	4471	3664	5221	6352	8726	8536	7178	8811	7871	4821
34	1962 Regional Report Surplus Deficit	4472	4038	4956	3607	4456	3103	4498	6019	5719	9040	8674	9167	8061	3751
35	1963 Regional Report Surplus Deficit	4335	3810	4949	4949	5693	5345	5119	6771	7743	6812	7213	9574	7638	5142
36	1964 Regional Report Surplus Deficit	4344	3906	5791	4064	4183	3668	3661	4307	5816	8710	7185	8875	8652	6536
37	1965 Regional Report Surplus Deficit	4888	5224	7014	6027	5535	6134	6496	7897	8434	8039	8796	8954	7719	5619
38	1966 Regional Report Surplus Deficit	5041	5375	5357	4990	5067	3955	4439	5222	6015	9060	7936	8756	7160	5118
39	1967 Regional Report Surplus Deficit	4362	3848	5263	3522	4196	3957	6211	7654	8630	7379	4544	8829	8158	5939
40	1968 Regional Report Surplus Deficit	4841	4897	5704	4611	5203	4026	5542	6976	8778	6338	6097	8273	7837	5416
41	1969 Regional Report Surplus Deficit	4698	4875	7746	6434	6917	4924	6476	7618	8313	8649	8579	9371	8201	5554
42	1970 Regional Report Surplus Deficit	4792	4443	5473	4498	4831	3247	4568	6636	7820	7862	5847	9256	8265	4886
43	1971 Regional Report Surplus Deficit	3743	3391	5177	3583	4522	3490	6488	7928	8993	8850	8332	9229	8622	6643
44	1972 Regional Report Surplus Deficit	5336	5499	6960	5218	4908	4348	6232	7225	8674	9056	8347	9208	8342	6414
45	1973 Regional Report Surplus Deficit	5109	5329	7894	5075	4928	4082	4811	4912	4808	2497	5529	7905	5459	3878
46	1974 Regional Report Surplus Deficit	3411	2327	4566	3809	4127	5142	6683	7872	8393	8253	8582	8558	8211	6892
47	1975 Regional Report Surplus Deficit	5151	5356	7494	4038	4657	3590	4395	6540	8487	6842	7180	9179	8500	7059
48	1976 Regional Report Surplus Deficit	4995	5263	6690	6802	7378	6698	6685	8053	8844	8888	8456	9203	8156	6264
49	1977 Regional Report Surplus Deficit	5306	5555	9730	5182	4721	2643	1974	3386	4667	2671	5714	5667	785	3205
50	1978 Regional Report Surplus Deficit	2477	1649	3946	3033	3773	4574	4654	6170	7618	8666	8048	9231	7108	5626
51	1979 Regional Report Surplus Deficit	4322	3853	6796	5226	4759	3244	3708	3864	7617	6481	7400	9533	6174	3333
52	1980 Regional Report Surplus Deficit	2749	2706	4975	4232	4262	2654	3402	4247	4985	7865	8309	9715	7898	4277
53	1981 Regional Report Surplus Deficit	3507	2837	5329	4464	4435	5697	5873	7341	7981	4664	7434	9065	8199	5510
54	1982 Regional Report Surplus Deficit	4520	5081	6426	4506	5025	4521	5948	7666	8970	8959	8029	8832	8289	6157

Regional Report Surplus Deficit By Water Year

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2012 White Book Report Date: **10/19/2012** *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	5109	5390	8597	6537	5368	4912	6370	7550	8955	8976	7667	9019	8051	6196
56	1984 Regional Report Surplus Deficit	4783	5489	6929	4833	7752	4890	5775	7717	8980	9057	8331	9199	8670	6168
57	1985 Regional Report Surplus Deficit	5184	5151	6375	4999	5357	4005	3991	5061	7065	8642	8193	9175	7020	2759
58	1986 Regional Report Surplus Deficit	2655	2164	4968	6143	6779	3562	5207	7515	9080	8677	8316	9035	7814	4732
59	1987 Regional Report Surplus Deficit	4093	3295	5140	3870	4524	4167	3791	3887	6925	5848	6939	8893	6357	3645
60	1988 Regional Report Surplus Deficit	2642	1979	4525	3456	3614	2399	1593	1658	4319	4872	7123	8492	5462	4421
61	1989 Regional Report Surplus Deficit	3616	2635	4519	3491	3916	3570	2410	2508	6909	8760	8418	9106	7145	3441
62	1990 Regional Report Surplus Deficit	3113	2907	4934	3633	5167	3989	4868	6748	8331	7970	8955	8920	7971	4937
63	1991 Regional Report Surplus Deficit	4639	4548	5187	3258	7039	4963	5621	7669	8289	8561	7504	8878	7744	5744
64	1992 Regional Report Surplus Deficit	4777	5135	5341	3331	4366	2903	3068	3781	6410	4429	5734	7691	3760	2756
65	1993 Regional Report Surplus Deficit	2248	1586	3850	3647	3899	2805	1063	1371	5933	5591	7008	8840	7607	4638
66	1994 Regional Report Surplus Deficit	4077	3517	4607	3419	4667	2656	1739	2713	4173	3932	6895	8547	6357	4161
67	1995 Regional Report Surplus Deficit	3171	2222	4513	3257	3758	3011	2970	6281	8741	7033	6604	9313	8139	5168
68	1996 Regional Report Surplus Deficit	4289	4044	5696	6523	7481	6204	6510	8225	9138	9210	9390	9307	8208	6240
69	1997 Regional Report Surplus Deficit	4971	5251	5523	4242	4929	4855	6775	7850	8887	8497	9012	8918	8291	6483
70	1998 Regional Report Surplus Deficit	5242	5530	8642	8957	6868	4729	4666	5773	7309	6883	7608	9346	8476	5496
71	1999 Regional Report Surplus Deficit	4649	4272	5459	4168	4145	4471	6493	7542	8764	8440	8317	9090	8655	6545
72	2000 Regional Report Surplus Deficit	5443	5751	7371	4789	7485	5426	5201	6411	8359	9201	8847	9045	7532	5149
73	2001 Regional Report Surplus Deficit	4758	3293	5182	4221	4363	2628	1926	2981	4691	3169	6238	7082	58.0	2573
74	2002 Regional Report Surplus Deficit	1930	1360	3443	2321	3724	3003	2344	3747	5445	8047	8374	8747	7957	5864
75	2003 Regional Report Surplus Deficit	4734	4121	5096	2787	4387	2633	2223	3080	7960	7960	7561	8806	8029	3532
76	2004 Regional Report Surplus Deficit	2576	2158	4443	3953	4201	3982	2868	2696	6718	6856	6984	8973	7087	3890
77	2005 Regional Report Surplus Deficit	2980	2818	6563	4389	4372	3904	3833	5027	5901	4645	6758	8948	7360	4157
78	2006 Regional Report Surplus Deficit	3901	2810	4632	3456	4258	3517	4793	7611	8282	8857	8663	9305	8223	4809
79	2007 Regional Report Surplus Deficit	3940	3188	4825	3109	5049	3553	4962	5151	9137	8403	7700	9007	6937	5223
80	2008 Regional Report Surplus Deficit	4115	2921	4344	3840	3952	3045	2964	3863	6137	6925	5437	8928	8653	5708

Ranked Averages

81	**Bottom 10 pct**	**2390**	**1677**	**4171**	**3652**	**4188**	**3082**	**2450**	**3420**	**6383**	**6829**	**7217**	**8975**	**7375**	**4675**
82	**Middle 80 pct**	**4229**	**3944**	**5489**	**4532**	**4963**	**4052**	**4570**	**5800**	**7459**	**7452**	**7598**	**8871**	**7324**	**5007**
83	**Top 10 pct**	**5241**	**5448**	**7986**	**5377**	**5624**	**4081**	**4326**	**5388**	**6781**	**6446**	**7281**	**8521**	**6822**	**5084**

Regional Report Surplus Deficit By Water Year

Operating Year 2020

2012 White Book Report Date: **10/19/2012**

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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	4207	4023	4856	4414	3707	2349	1858	2690	4178	4060	5788	8062	7406	2168
2	1930 Regional Report Surplus Deficit	3006	2423	4678	3818	3421	2240	965	2904	4253	4808	6323	7277	4015	3762
3	1931 Regional Report Surplus Deficit	3169	2332	4156	3458	3675	1983	388	855	3822	5684	3670	8338	4697	3114
4	1932 Regional Report Surplus Deficit	2100	992	4255	3293	2675	2103	249	1000	7368	9154	8061	9315	8853	4221
5	1933 Regional Report Surplus Deficit	4035	3840	5290	4333	3013	3562	3970	6436	7433	8080	6883	8692	9153	5656
6	1934 Regional Report Surplus Deficit	4419	4867	5408	5761	7100	6039	6487	7582	8484	8953	7756	8584	7075	3689
7	1935 Regional Report Surplus Deficit	2910	2275	3828	4033	2780	3261	4220	5996	7567	7163	6467	8880	7796	4725
8	1936 Regional Report Surplus Deficit	4334	3527	4441	3492	3294	2076	1318	1824	4854	6366	8063	9742	8756	3738
9	1937 Regional Report Surplus Deficit	3403	2546	4371	3406	3624	2001	923	987	3862	4513	3195	8294	6228	3176
10	1938 Regional Report Surplus Deficit	3548	2482	4334	3711	2863	3735	4141	5395	7507	9093	8349	9185	8661	4587
11	1939 Regional Report Surplus Deficit	3847	2905	4991	4438	3323	2514	3126	3842	5930	7899	7277	9400	5960	3390
12	1940 Regional Report Surplus Deficit	2599	1896	4333	4001	3848	3375	2846	2845	8432	8221	6702	9223	6456	3242
13	1941 Regional Report Surplus Deficit	2688	1519	3994	3884	2832	3234	1712	2725	4703	4763	4877	7876	5536	3132
14	1942 Regional Report Surplus Deficit	2470	1486	4009	4051	4413	3787	3762	4627	6405	6205	6890	8527	8044	5000
15	1943 Regional Report Surplus Deficit	3921	3304	5828	4442	2809	3260	4655	6869	8074	9605	8823	9067	9075	4611
16	1944 Regional Report Surplus Deficit	4225	3784	4887	3477	3445	2464	1970	2731	4217	3684	5897	5841	3107	1969
17	1945 Regional Report Surplus Deficit	1631	395	3216	3088	2968	1610	984	2321	4265	3780	2796	9236	8507	2825
18	1946 Regional Report Surplus Deficit	3704	2971	4627	3627	3224	3645	3913	5276	7705	9077	8388	9182	8796	5002
19	1947 Regional Report Surplus Deficit	4515	4232	5372	3970	3808	5798	5782	7427	8456	8601	7390	9170	8670	4969
20	1948 Regional Report Surplus Deficit	3872	2922	5094	8258	6370	4544	5882	6577	7423	8587	8054	9527	8676	5517
21	1949 Regional Report Surplus Deficit	4450	4906	7088	4516	3635	3131	4126	4245	8346	9120	8263	9421	8705	2849
22	1950 Regional Report Surplus Deficit	3085	2356	4225	3611	3384	3210	5866	6618	8329	9396	7891	8753	8828	5366
23	1951 Regional Report Surplus Deficit	4613	4993	5689	5866	6985	6028	6402	7949	8543	9531	8026	9126	8491	5344
24	1952 Regional Report Surplus Deficit	4528	4833	5588	7723	5277	4589	5471	7281	7850	9509	8680	9473	9017	4704
25	1953 Regional Report Surplus Deficit	3795	3184	4506	3345	2949	2156	3820	5366	7351	7396	7046	9264	9252	5401
26	1954 Regional Report Surplus Deficit	4129	3992	5390	4275	4047	4046	5488	7191	8205	8943	7607	9070	8700	5989
27	1955 Regional Report Surplus Deficit	4765	4938	9016	4594	5444	3502	3049	3415	4764	6303	6392	8653	9122	6151
28	1956 Regional Report Surplus Deficit	4451	4629	5047	4850	6227	5829	6423	7289	7798	8799	8231	9180	9357	5619
29	1957 Regional Report Surplus Deficit	4619	4988	5459	4824	3610	4237	4180	4899	7653	9661	7465	9779	9114	4682
30	1958 Regional Report Surplus Deficit	4349	3807	4934	4190	3734	3082	4666	5562	7806	8701	8010	9441	8945	4254
31	1959 Regional Report Surplus Deficit	3419	3410	4828	4477	4559	5336	6470	7557	8230	9276	7502	8855	8793	4791
32	1960 Regional Report Surplus Deficit	4592	4885	9101	8810	7170	5094	5092	5647	7652	9527	7936	9079	8646	4524
33	1961 Regional Report Surplus Deficit	4242	3251	4683	4352	3562	3348	4939	5976	8338	8918	6733	8827	8537	4295
34	1962 Regional Report Surplus Deficit	4149	3499	4595	3517	3579	2793	4215	5644	5549	9477	8138	9181	8746	3140
35	1963 Regional Report Surplus Deficit	4011	3210	4588	4697	5024	5000	4837	6391	7377	7296	6774	9584	8364	4608
36	1964 Regional Report Surplus Deficit	4020	3332	5420	3990	3178	3354	3374	3930	5647	9091	6747	8884	9304	5969
37	1965 Regional Report Surplus Deficit	4505	4819	6624	5729	4838	5775	6199	7502	8050	8457	8262	8991	8423	5062
38	1966 Regional Report Surplus Deficit	4651	4950	4994	4787	4309	3635	4156	4850	5838	9466	7468	8790	7902	4584
39	1967 Regional Report Surplus Deficit	4017	3254	4899	3418	3238	3639	5926	7258	8246	7828	4094	8835	8825	5372
40	1968 Regional Report Surplus Deficit	4465	4470	5336	4457	4443	3706	5260	6594	8393	6827	5668	8365	8526	4866
41	1969 Regional Report Surplus Deficit	4333	4452	7336	6117	6388	4589	6178	7223	7930	9086	8042	9436	8902	5006
42	1970 Regional Report Surplus Deficit	4434	3927	5108	4380	4011	2938	4285	6255	7463	8284	5416	9263	8934	4376
43	1971 Regional Report Surplus Deficit	3369	2774	4815	3500	3596	3179	6190	7533	8636	9243	7798	9296	9278	6065
44	1972 Regional Report Surplus Deficit	4943	5100	6574	5023	4037	4025	5934	6830	8290	9509	7842	9271	8996	5844
45	1973 Regional Report Surplus Deficit	4718	4881	7489	4885	4095	3765	4528	4540	4765	3144	5097	7987	6255	3313
46	1974 Regional Report Surplus Deficit	3046	1719	4206	3663	2988	4804	6388	7476	8009	8689	8047	8619	8879	6338
47	1975 Regional Report Surplus Deficit	4758	4924	7094	4013	3781	3279	4111	6160	8100	7304	6735	9191	9156	6528
48	1976 Regional Report Surplus Deficit	4610	4861	6308	6481	6889	6337	6399	7658	8460	9316	7919	9257	8850	5687
49	1977 Regional Report Surplus Deficit	4913	5046	9351	4970	3879	2334	1678	3000	4616	3317	5285	5856	1651	2613
50	1978 Regional Report Surplus Deficit	2029	1088	3574	3040	2641	4244	4372	5794	7268	9072	7570	9243	7848	5072
51	1979 Regional Report Surplus Deficit	3996	3256	6403	4987	3924	2934	3423	3477	7291	6968	6950	9552	6957	2661
52	1980 Regional Report Surplus Deficit	2305	2095	4614	4101	3400	2343	3114	3867	4939	8263	7816	9801	8584	3740
53	1981 Regional Report Surplus Deficit	3167	2220	4963	4295	3564	5348	5590	6948	7605	5236	6979	9070	8849	4949
54	1982 Regional Report Surplus Deficit	4142	4690	6044	4387	4252	4194	5665	7271	8596	9346	7524	8881	8959	5583

Regional Report Surplus Deficit By Water Year

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2012 White Book Report Date: **10/19/2012** *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	4717	4974	8180	6230	4619	4580	6072	7155	8571	9357	7198	9042	8753	5620
56	1984 Regional Report Surplus Deficit	4393	5065	6544	4681	7290	4558	5493	7323	8591	9507	7800	9219	9326	5594
57	1985 Regional Report Surplus Deficit	4799	4694	5999	4853	4574	3688	3707	4689	6749	9029	7688	9202	7776	1938
58	1986 Regional Report Surplus Deficit	2173	1596	4607	5847	6225	3247	4925	7124	8690	9071	7791	9042	8506	4223
59	1987 Regional Report Surplus Deficit	3769	2682	4778	3817	3580	3847	3505	3503	6645	6370	6502	8904	7114	3051
60	1988 Regional Report Surplus Deficit	2188	1391	4163	3340	2750	2087	1286	1212	4304	5450	6685	8576	6260	3911
61	1989 Regional Report Surplus Deficit	3265	2018	4157	3412	2871	3254	2113	2085	6635	9144	7882	9113	7900	2776
62	1990 Regional Report Surplus Deficit	2715	2290	4574	3528	4446	3667	4586	6359	7942	8385	8422	8925	8669	4425
63	1991 Regional Report Surplus Deficit	4296	4056	4825	3265	6543	4621	5338	7263	7898	8940	7031	8887	8442	5170
64	1992 Regional Report Surplus Deficit	4406	4747	4978	3288	3474	2594	2779	3397	6141	4997	5303	7796	4573	2144
65	1993 Regional Report Surplus Deficit	1802	989	3485	3490	3010	2495	749	913	5731	6125	6573	8845	8337	4125
66	1994 Regional Report Surplus Deficit	3746	2916	4246	3337	3919	2346	1434	2311	4203	4533	6459	8560	7119	3636
67	1995 Regional Report Surplus Deficit	2795	1610	4152	3164	2706	2701	2678	5904	8354	7486	6173	9337	8826	4651
68	1996 Regional Report Surplus Deficit	3964	3459	5328	6196	7078	5869	6212	7830	8747	9607	8864	9351	8879	5668
69	1997 Regional Report Surplus Deficit	4582	4860	5161	4149	4114	4524	6477	7454	8504	8933	8484	8969	8945	5917
70	1998 Regional Report Surplus Deficit	4850	5109	8226	8656	6325	4401	4383	5400	7003	7350	7152	9427	9134	4976
71	1999 Regional Report Surplus Deficit	4272	3737	5096	4087	3076	4147	6195	7147	8380	8822	7810	9108	9311	5972
72	2000 Regional Report Surplus Deficit	5050	5302	6975	4623	7034	5082	4919	6030	7975	9600	8311	9053	8275	4624
73	2001 Regional Report Surplus Deficit	4425	2682	4820	4118	3488	2319	1630	2586	4638	3795	5810	7225	939	1973
74	2002 Regional Report Surplus Deficit	1508	762	3063	2328	2658	2694	2046	3366	5306	8459	7848	8772	8642	5297
75	2003 Regional Report Surplus Deficit	4403	3544	4734	2777	3611	2324	1924	2686	7590	8368	7098	8820	8723	2884
76	2004 Regional Report Surplus Deficit	2093	1577	4080	3772	3379	3659	2576	2278	6440	7312	6544	8990	7832	3302
77	2005 Regional Report Surplus Deficit	2548	2201	6171	4210	3526	3580	3550	4655	5681	5207	6320	8954	8097	3613
78	2006 Regional Report Surplus Deficit	3561	2193	4270	3290	3392	3203	4511	7214	7893	9306	8129	9399	8913	4306
79	2007 Regional Report Surplus Deficit	3603	2577	4465	3116	4317	3239	4680	4779	8759	8786	7225	9012	7690	4702
80	2008 Regional Report Surplus Deficit	3757	2310	3979	3655	3068	2734	2674	3485	5921	7387	4999	8982	9303	5165

Ranked Averages

81	**Bottom 10 pct**	**1940**	**1099**	**3805**	**3525**	**3288**	**2767**	**2148**	**3001**	**6172**	**7303**	**6733**	**9002**	**8098**	**4122**
82	**Middle 80 pct**	**3868**	**3407**	**5121**	**4379**	**4147**	**3729**	**4280**	**5409**	**7165**	**7905**	**7115**	**8915**	**8036**	**4446**
83	**Top 10 pct**	**4849**	**4999**	**7590**	**5202**	**4896**	**3760**	**4038**	**5008**	**6533**	**6944**	**6813**	**8580**	**7546**	**4499**

Regional Report Surplus Deficit By Water Year

Operating Year 2021

2012 White Book Report Date: **10/19/2012**

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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	3792	3775	4697	3971	3458	1344	-55.1	1026	2641	2999	5215	6552	4890	492
2	1930 Regional Report Surplus Deficit	2521	2215	4501	3375	3157	1235	-949	1243	2710	3715	5762	5778	1433	2259
3	1931 Regional Report Surplus Deficit	2723	2123	4051	3018	3375	971	-1518	-542	2292	4565	3071	6843	2159	1589
4	1932 Regional Report Surplus Deficit	1514	758	4131	2847	2501	1099	-1653	-396	5742	7995	7555	7753	6201	2729
5	1933 Regional Report Surplus Deficit	3611	3577	5060	3895	2908	2528	2101	4676	5813	6924	6337	7148	6440	4145
6	1934 Regional Report Surplus Deficit	3941	4564	5177	5384	6759	5012	4699	5872	6923	7765	7249	7020	4535	2196
7	1935 Regional Report Surplus Deficit	2396	2066	3764	3602	2731	2230	2360	4211	5955	6013	5905	7359	5272	3238
8	1936 Regional Report Surplus Deficit	3864	3304	4406	3043	3054	1069	-596	286	3281	5229	7558	8182	6167	2223
9	1937 Regional Report Surplus Deficit	2968	2336	4367	2956	3329	991	-991	-466	2331	3431	2596	6800	3699	1623
10	1938 Regional Report Surplus Deficit	3094	2273	4363	3274	2739	2701	2273	3599	5878	7935	7843	7616	6069	3102
11	1939 Regional Report Surplus Deficit	3407	2696	4767	4005	3104	1515	1225	2088	4326	6743	6743	7848	3436	1858
12	1940 Regional Report Surplus Deficit	2095	1687	4222	3583	3542	2341	948	1224	6844	7064	6155	7703	3938	1706
13	1941 Regional Report Surplus Deficit	2190	1307	3994	3456	2605	2201	-203	1069	3129	3656	4299	6377	3017	1631
14	1942 Regional Report Surplus Deficit	2013	1277	3930	3615	4087	2753	1884	2838	4775	5072	6354	7018	5494	3505
15	1943 Regional Report Surplus Deficit	3494	3078	5671	4012	2760	2232	2806	5103	6473	8416	8295	7497	6385	3125
16	1944 Regional Report Surplus Deficit	3804	3553	4770	3017	3203	1463	57.2	1058	2687	2619	5325	4308	523	397
17	1945 Regional Report Surplus Deficit	1137	174	3486	2651	2714	629	-925	756	2734	2735	2188	7707	5922	1221
18	1946 Regional Report Surplus Deficit	3275	2760	4565	3174	3044	2611	2033	3480	6081	7917	7874	7612	6195	3514
19	1947 Regional Report Surplus Deficit	4048	3979	5144	3510	3556	4783	3979	5718	6903	7444	6856	7601	6037	3477
20	1948 Regional Report Surplus Deficit	3435	2704	4874	7962	6017	3514	4083	4809	5797	7430	7549	7994	5960	4008
21	1949 Regional Report Surplus Deficit	3928	4602	7121	4077	3401	2101	2268	2469	6769	7962	7758	7852	6102	1252
22	1950 Regional Report Surplus Deficit	2545	2142	4371	3163	3169	2179	4079	4909	6761	8227	7382	7185	6182	3875
23	1951 Regional Report Surplus Deficit	4086	4689	5458	5479	6637	5014	4614	6240	6973	8365	7521	7556	5916	3838
24	1952 Regional Report Surplus Deficit	4027	4534	5359	7418	4936	3559	3658	5531	6232	8341	8165	7925	6372	3219
25	1953 Regional Report Surplus Deficit	3374	2969	4577	2887	2754	1148	1936	3572	5720	6243	6497	7701	6524	3900
26	1954 Regional Report Surplus Deficit	3708	3755	5169	3830	3766	3012	3667	5439	6620	7786	7082	7500	6071	4464
27	1955 Regional Report Surplus Deficit	4223	4644	9209	4158	5095	2468	1148	1679	3174	5172	5837	7121	6434	4626
28	1956 Regional Report Surplus Deficit	3946	4344	4874	4422	5873	4814	4634	5579	6229	7657	7717	7614	6641	4114
29	1957 Regional Report Surplus Deficit	4102	4686	5239	4394	3387	3203	2318	3107	6022	8490	6937	8252	6375	3195
30	1958 Regional Report Surplus Deficit	3927	3576	4744	3744	3468	2061	2811	3766	6196	7544	7498	7887	6285	2764
31	1959 Regional Report Surplus Deficit	2979	3192	4641	4047	4240	4315	4683	5847	6651	8118	6975	7303	6119	3305
32	1960 Regional Report Surplus Deficit	4059	4582	9003	8414	6829	4074	3273	3852	6024	8323	7431	7538	6048	3038
33	1961 Regional Report Surplus Deficit	3816	3038	4530	3914	3330	2316	3111	4182	6759	7761	6185	7260	5857	2810
34	1962 Regional Report Surplus Deficit	3729	3265	4453	3065	3327	1772	2352	3849	5078	8136	7628	7614	6112	1566
35	1963 Regional Report Surplus Deficit	3593	2996	4497	4293	4684	3976	3007	4603	5751	6149	6220	8056	5806	3121
36	1964 Regional Report Surplus Deficit	3599	3110	5191	3536	3011	2323	1481	2171	4042	7933	6192	7323	6587	4446
37	1965 Regional Report Surplus Deficit	3995	4514	6541	5352	4506	4762	4411	5793	6480	7300	7748	7420	5823	3568
38	1966 Regional Report Surplus Deficit	4120	4646	4823	4363	3998	2601	2287	3056	4876	8204	6937	7282	5365	3097
39	1967 Regional Report Surplus Deficit	3568	3040	4697	2969	3038	2606	4127	5549	6677	6674	3500	7288	6146	3870
40	1968 Regional Report Surplus Deficit	3966	4193	5105	4019	4133	2672	3427	4811	6822	5680	5096	6872	5900	3375
41	1969 Regional Report Surplus Deficit	3851	4173	7487	5756	6035	3559	4390	5513	6362	7945	7536	7876	6293	3516
42	1970 Regional Report Surplus Deficit	3962	3684	4892	3933	3728	1920	2414	4469	5834	7127	4834	7722	6262	2887
43	1971 Regional Report Surplus Deficit	2895	2565	4650	3047	3375	2154	4402	5825	7106	8079	7294	7737	6571	4544
44	1972 Regional Report Surplus Deficit	4399	4794	6438	4596	3782	2991	4146	5120	6722	8324	7331	7711	6286	4324
45	1973 Regional Report Surplus Deficit	4169	4580	7579	4457	3819	2732	2667	2755	3203	2125	4515	6493	3734	1769
46	1974 Regional Report Surplus Deficit	2582	1507	4168	3222	2927	3775	4582	5762	6440	7548	7535	7061	6201	4811
47	1975 Regional Report Surplus Deficit	4215	4621	7124	3552	3529	2253	2235	4374	6491	6152	6188	7627	6449	4994
48	1976 Regional Report Surplus Deficit	4094	4572	6138	6124	6541	5320	4609	5948	6891	8138	7413	7691	6231	4174
49	1977 Regional Report Surplus Deficit	4370	4755	9113	4550	3608	1327	-235	1289	3050	2296	4707	4310	-987	1051
50	1978 Regional Report Surplus Deficit	1474	862	4180	2577	2574	3212	2511	4000	5636	7903	7045	7678	5309	3579
51	1979 Regional Report Surplus Deficit	3575	3041	6347	4576	3649	1912	1541	1770	5658	5821	6407	7983	4441	1051
52	1980 Regional Report Surplus Deficit	1752	1884	4473	3657	3140	1359	1214	2126	3374	7106	7300	8256	5947	2217
53	1981 Regional Report Surplus Deficit	2730	2011	4739	3861	3309	4327	3781	5192	5984	4128	6440	7520	6136	3452
54	1982 Regional Report Surplus Deficit	3640	4386	5880	3940	3948	3160	3854	5561	7039	8184	7012	7314	6285	4075

Regional Report Surplus Deficit By Water Year

Operating Year 2021

2012 White Book Report Date: **10/19/2012** *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	4184	4669	8439	5860	4304	3549	4284	5446	7001	8199	6668	7472	6148	4109
56	1984 Regional Report Surplus Deficit	3863	4761	6412	4242	6947	3526	3665	5572	7008	8321	7293	7650	6620	4085
57	1985 Regional Report Surplus Deficit	4283	4431	5794	4412	4274	2654	1825	2901	5116	7872	7177	7631	5251	246
58	1986 Regional Report Surplus Deficit	1566	1370	4580	5469	5871	2215	3082	5364	7108	7907	7286	7502	5886	2735
59	1987 Regional Report Surplus Deficit	3351	2472	4606	3360	3370	2813	1613	1782	5015	5235	5946	7375	4591	1488
60	1988 Regional Report Surplus Deficit	1623	1172	4251	2893	2491	1107	-628	-247	2752	4347	6130	7083	3738	2418
61	1989 Regional Report Surplus Deficit	2815	1809	4262	2959	2733	2222	200	533	5005	7987	7377	7557	5373	1170
62	1990 Regional Report Surplus Deficit	2215	2084	4506	3079	4121	2633	2732	4592	6342	7228	7908	7375	6057	2939
63	1991 Regional Report Surplus Deficit	3850	3807	4671	2802	6194	3595	3522	5538	6312	7783	6502	7323	5834	3663
64	1992 Regional Report Surplus Deficit	3917	4449	4778	2830	3231	1579	878	1669	4513	3889	4726	6302	2037	570
65	1993 Regional Report Surplus Deficit	1245	773	3784	3053	2765	1475	-1160	-509	4118	4995	6014	7295	5782	2625
66	1994 Regional Report Surplus Deficit	3320	2702	4165	2884	3604	1328	-481	661	2669	3453	5899	7037	4599	2123
67	1995 Regional Report Surplus Deficit	2320	1402	4054	2713	2574	1679	770	4109	6775	6333	5609	7823	6190	3166
68	1996 Regional Report Surplus Deficit	3543	3241	5100	5846	6733	4808	4424	6121	7165	8442	8342	7781	6206	4150
69	1997 Regional Report Surplus Deficit	4058	4558	4993	3697	3829	3492	4689	5708	6936	7792	7964	7402	6233	4395
70	1998 Regional Report Surplus Deficit	4310	4807	8479	8350	5971	3368	2514	3604	5370	6199	6613	7878	6442	3489
71	1999 Regional Report Surplus Deficit	3775	3503	4906	3634	2957	3113	4407	5437	6810	7664	7299	7539	6607	4456
72	2000 Regional Report Surplus Deficit	4514	5003	6954	4188	6692	4058	3074	4240	6362	8433	7801	7520	5736	3138
73	2001 Regional Report Surplus Deficit	3993	2473	4676	3668	3236	1313	-283	914	3071	2741	5237	5726	-1733	405
74	2002 Regional Report Surplus Deficit	980	548	3948	1865	2537	1674	133	1631	3711	7302	7343	7259	6000	3795
75	2003 Regional Report Surplus Deficit	3974	3325	4576	2314	3306	1314	10.2	1009	5965	7211	6564	7297	6102	1287
76	2004 Regional Report Surplus Deficit	1487	1355	4268	3341	3097	2625	670	704	4810	6159	5992	7468	5296	1741
77	2005 Regional Report Surplus Deficit	2010	1994	6104	3779	3257	2545	1677	2860	4395	3264	5766	7401	5550	2082
78	2006 Regional Report Surplus Deficit	3126	1986	4132	2855	3134	2172	2653	5469	6292	8120	7616	7860	6284	2815
79	2007 Regional Report Surplus Deficit	3172	2369	4474	2653	3996	2208	2837	2986	7204	7629	6699	7464	5162	3217
80	2008 Regional Report Surplus Deficit	3303	2101	4295	3225	2821	1708	771	1733	4304	6236	4410	7417	6584	3676

Ranked Averages

81	**Bottom 10 pct**	**1378**	**876**	**4079**	**3087**	**3069**	**1754**	**254**	**1413**	**4576**	**6168**	**6194**	**7468**	**5517**	**2605**
82	**Middle 80 pct**	**3400**	**3165**	**4997**	**3927**	**3882**	**2692**	**2403**	**3644**	**5550**	**6646**	**6545**	**7354**	**5379**	**2892**
83	**Top 10 pct**	**4312**	**4716**	**7694**	**4958**	**4657**	**2833**	**2374**	**3582**	**5411**	**6581**	**6540**	**7159**	**5220**	**3247**

Regional Report Surplus Deficit By Water Year

Operating Year 2022

2012 White Book Report Date: **10/19/2012**

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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	2251	2095	3025	2523	1815	350	-189	630	2387	1570	3794	7997	5604	266
2	1930 Regional Report Surplus Deficit	968	556	2827	1928	1529	241	-1083	844	2463	2317	4329	7213	2213	1861
3	1931 Regional Report Surplus Deficit	1175	466	2390	1567	1783	-15.6	-1660	-1205	2031	3194	1675	8273	2895	1212
4	1932 Regional Report Surplus Deficit	-51.0	-800	2466	1403	783	104	-1798	-1060	5577	6664	6067	9250	7051	2319
5	1933 Regional Report Surplus Deficit	2071	1903	3370	2442	1121	1563	1923	4376	5642	5590	4889	8628	7351	3755
6	1934 Regional Report Surplus Deficit	2397	2927	3488	3870	5208	4040	4455	5536	6693	6463	5762	8520	5273	1788
7	1935 Regional Report Surplus Deficit	840	412	2110	2142	888	1263	2173	3936	5776	4673	4473	8815	5994	2823
8	1936 Regional Report Surplus Deficit	2321	1621	2757	1601	1402	76.8	-730	-236	3063	3875	6069	9677	6954	1837
9	1937 Regional Report Surplus Deficit	1423	691	2722	1516	1732	2.24	-1124	-1073	2071	2023	1201	8229	4426	1274
10	1938 Regional Report Surplus Deficit	1545	630	2723	1821	971	1736	2093	3335	5717	6603	6355	9120	6859	2685
11	1939 Regional Report Surplus Deficit	1861	1034	3081	2548	1431	515	1078	1782	4140	5409	5283	9335	4158	1488
12	1940 Regional Report Surplus Deficit	539	45.7	2560	2111	1956	1376	798	785	6641	5731	4708	9159	4654	1340
13	1941 Regional Report Surplus Deficit	635	-316	2350	1993	940	1235	-336	665	2913	2273	2883	7811	3734	1230
14	1942 Regional Report Surplus Deficit	464	-370	2273	2161	2521	1788	1715	2567	4615	3715	4895	8463	6242	3098
15	1943 Regional Report Surplus Deficit	1953	1394	3979	2552	917	1261	2608	4809	6284	7115	6829	9003	7273	2709
16	1944 Regional Report Surplus Deficit	2264	1868	3107	1586	1553	465	-78.0	671	2427	1194	3902	5777	1305	67.2
17	1945 Regional Report Surplus Deficit	-417	-1419	1880	1197	1076	-389	-1064	262	2474	1290	802	9172	6705	923
18	1946 Regional Report Surplus Deficit	1731	1091	2910	1737	1332	1646	1865	3217	5915	6586	6394	9118	6994	3100
19	1947 Regional Report Surplus Deficit	2505	2301	3455	2080	1916	3799	3734	5381	6666	6111	5396	9106	6868	3068
20	1948 Regional Report Surplus Deficit	1894	1023	3188	6367	4478	2545	3834	4517	5632	6097	6060	9463	6874	3615
21	1949 Regional Report Surplus Deficit	2379	2972	5445	2625	1743	1132	2078	2185	6555	6630	6269	9356	6903	947
22	1950 Regional Report Surplus Deficit	985	524	2748	1721	1492	1211	3834	4572	6555	6905	5897	8688	7026	3464
23	1951 Regional Report Surplus Deficit	2537	3052	3768	3975	5093	4029	4370	5903	6768	7041	6032	9061	6689	3442
24	1952 Regional Report Surplus Deficit	2481	2890	3669	5833	3385	2590	3423	5221	6060	7019	6685	9408	7215	2802
25	1953 Regional Report Surplus Deficit	1833	1290	2943	1455	1057	157	1772	3306	5560	4906	5052	9200	7450	3499
26	1954 Regional Report Surplus Deficit	2168	2071	3483	2385	2155	2047	3441	5131	6414	6452	5613	9006	6898	4087
27	1955 Regional Report Surplus Deficit	2671	3014	7597	2704	3553	1503	1001	1355	2973	3812	4397	8589	7320	4249
28	1956 Regional Report Surplus Deficit	2399	2687	3200	2960	4335	3830	4390	5243	6023	6325	6237	9115	7555	3717
29	1957 Regional Report Surplus Deficit	2554	3047	3553	2934	1718	2238	2132	2839	5862	7171	5470	9715	7312	2780
30	1958 Regional Report Surplus Deficit	2386	1891	3066	2300	1842	1083	2619	3502	6015	6210	6015	9377	7143	2352
31	1959 Regional Report Surplus Deficit	1432	1511	2964	2586	2667	3337	4422	5511	6439	6786	5508	8790	6991	2889
32	1960 Regional Report Surplus Deficit	2509	2950	7390	6919	5278	3095	3045	3587	5861	7037	5942	9014	6844	2622
33	1961 Regional Report Surplus Deficit	2276	1363	2860	2462	1670	1349	2892	3916	6547	6428	4739	8763	6735	2393
34	1962 Regional Report Surplus Deficit	2188	1580	2785	1627	1687	794	2168	3584	3758	6986	6144	9116	6944	1238
35	1963 Regional Report Surplus Deficit	2051	1320	2838	2806	3132	3002	2789	4331	5587	4806	4780	9520	6562	2706
36	1964 Regional Report Surplus Deficit	2058	1427	3499	2100	1286	1355	1326	1870	3856	6601	4752	8820	7502	4067
37	1965 Regional Report Surplus Deficit	2448	2882	4854	3839	2946	3776	4166	5457	6275	5966	6267	8926	6621	3160
38	1966 Regional Report Surplus Deficit	2570	3017	3150	2897	2417	1636	2109	2790	4047	6976	5474	8725	6100	2682
39	1967 Regional Report Surplus Deficit	2026	1362	3016	1528	1346	1640	3879	5213	6471	5338	2100	8771	7023	3470
40	1968 Regional Report Surplus Deficit	2419	2530	3416	2567	2551	1707	3213	4534	6602	4336	3674	8301	6724	2964
41	1969 Regional Report Surplus Deficit	2307	2511	5825	4226	4496	2590	4142	5177	6155	6612	6048	9371	7100	3104
42	1970 Regional Report Surplus Deficit	2419	2002	3208	2489	2119	939	2237	4195	5673	5793	3422	9198	7132	2474
43	1971 Regional Report Surplus Deficit	1344	906	2979	1610	1704	1180	4158	5487	6845	6753	5804	9231	7476	4163
44	1972 Regional Report Surplus Deficit	2847	3162	4748	3133	2145	2026	3901	4784	6515	7019	5848	9207	7194	3942
45	1973 Regional Report Surplus Deficit	2616	2951	5909	2994	2203	1766	2480	2480	2974	654	3103	7923	4453	1411
46	1974 Regional Report Surplus Deficit	1032	-119	2517	1772	1096	2805	4340	5430	6234	6215	6053	8550	7077	4436
47	1975 Regional Report Surplus Deficit	2663	2991	5447	2122	1890	1280	2063	4100	6309	4814	4741	9126	7354	4626
48	1976 Regional Report Surplus Deficit	2546	2918	4446	4591	4997	4338	4351	5612	6685	6826	5925	9192	7048	3785
49	1977 Regional Report Surplus Deficit	2817	3123	7496	3080	1987	335	-370	940	2825	827	3291	5792	-151	711
50	1978 Regional Report Surplus Deficit	-88.1	-710	2620	1150	749	2245	2324	3734	5477	6582	5575	9179	6046	3170
51	1979 Regional Report Surplus Deficit	2033	1364	4663	3096	2032	935	1375	1417	5501	4478	4956	9488	5155	759
52	1980 Regional Report Surplus Deficit	191	254	2805	2210	1508	344	1066	1807	3148	5772	5822	9737	6782	1838
53	1981 Regional Report Surplus Deficit	1184	361	3052	2405	1672	3349	3542	4888	5814	2746	4985	9006	7047	3047
54	1982 Regional Report Surplus Deficit	2094	2750	4188	2496	2361	2195	3617	5225	6806	6856	5529	8817	7157	3681

Regional Report Surplus Deficit By Water Year

Operating Year 2022

2012 White Book Report Date: **10/19/2012** *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	2634	3039	6793	4339	2727	2581	4039	5109	6796	6867	5204	8978	6951	3718
56	1984 Regional Report Surplus Deficit	2313	3131	4721	2791	5399	2559	3445	5263	6800	7017	5805	9155	7524	3692
57	1985 Regional Report Surplus Deficit	2735	2760	4101	2962	2682	1689	1659	2629	4958	6539	5694	9137	5974	36.5
58	1986 Regional Report Surplus Deficit	-2.87	-209	2931	3957	4333	1248	2878	5064	6899	6581	5797	8977	6704	2322
59	1987 Regional Report Surplus Deficit	1809	806	2933	1927	1688	1848	1457	1443	4855	3880	4508	8840	5312	1150
60	1988 Regional Report Surplus Deficit	60.0	-428	2619	1449	858	88.3	-761	-848	2513	2960	4691	8512	4458	2009
61	1989 Regional Report Surplus Deficit	1267	162	2634	1522	979	1256	65.6	24.8	4844	6654	5888	9048	6098	874
62	1990 Regional Report Surplus Deficit	660	438	2851	1638	2554	1668	2538	4299	6152	5895	6428	8861	6867	2523
63	1991 Regional Report Surplus Deficit	2308	2127	3000	1375	4651	2622	3291	5203	6107	6450	5037	8823	6640	3268
64	1992 Regional Report Surplus Deficit	2372	2808	3098	1398	1582	595	731	1337	4351	2507	3309	7731	2771	243
65	1993 Regional Report Surplus Deficit	-316	-836	2183	1600	1118	496	-1299	-1147	3941	3635	4579	8781	6535	2223
66	1994 Regional Report Surplus Deficit	1776	1026	2508	1446	2027	347	-614	251	2412	2043	4465	8496	5317	1734
67	1995 Regional Report Surplus Deficit	769	-230	2394	1273	814	702	630	3844	6563	4996	4179	9272	7024	2749
68	1996 Regional Report Surplus Deficit	2000	1559	3411	4306	5187	3870	4180	5784	6956	7117	6870	9286	7077	3766
69	1997 Regional Report Surplus Deficit	2509	2922	3319	2258	2222	2525	4444	5408	6729	6459	6490	8904	7143	4015
70	1998 Regional Report Surplus Deficit	2758	3177	6832	6766	4433	2402	2335	3340	5212	4860	5158	9362	7332	3074
71	1999 Regional Report Surplus Deficit	2229	1819	3228	2197	1184	2148	4163	5101	6605	6332	5816	9043	7509	4070
72	2000 Regional Report Surplus Deficit	2962	3374	5272	2733	5142	3083	2871	3970	6184	7109	6317	8989	6473	2722
73	2001 Regional Report Surplus Deficit	2452	841	3008	2227	1596	320	-418	526	2847	1305	3815	7160	-863	71.4
74	2002 Regional Report Surplus Deficit	-578	-1063	2424	438	766	695	-1.42	1306	3515	5968	5854	8708	6840	3395
75	2003 Regional Report Surplus Deficit	2433	1642	2904	885	1717	325	-123	627	5799	5877	5104	8756	6921	982
76	2004 Regional Report Surplus Deficit	-82.6	-236	2651	1882	1487	1660	528	218	4649	4822	4550	8925	6030	1400
77	2005 Regional Report Surplus Deficit	450	351	4419	2320	1634	1581	1502	2595	3891	2717	4326	8890	6295	1711
78	2006 Regional Report Surplus Deficit	1580	338	2464	1399	1501	1204	2463	5154	6102	6816	6135	9334	7111	2404
79	2007 Regional Report Surplus Deficit	1627	700	2831	1225	2425	1240	2632	2719	6969	6296	5231	8947	5888	2800
80	2008 Regional Report Surplus Deficit	1754	471	2696	1764	1176	735	627	1425	4130	4897	3005	8918	7501	3264

Ranked Averages

81	**Bottom 10 pct**	**-185**	**-713**	**2472**	**1634**	**1396**	**768**	**101**	**941**	**4381**	**4813**	**4739**	**8938**	**6296**	**2220**
82	**Middle 80 pct**	**1853**	**1509**	**3328**	**2467**	**2247**	**1717**	**2210**	**3312**	**5317**	**5319**	**5088**	**8834**	**6195**	**2508**
83	**Top 10 pct**	**2761**	**3080**	**6036**	**3480**	**3070**	**1862**	**2188**	**3278**	**5222**	**5231**	**5081**	**8648**	**6056**	**2885**

Regional Report Surplus Deficit By Water Year

Operating Year 2023

2012 White Book Report Date: **10/19/2012**

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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	1863	1874	2820	2079	1635	-54.4	-811	302	2077	1287	3512	6521	4170	-333
2	1930 Regional Report Surplus Deficit	592	314	2624	1483	1334	-164	-1705	520	2146	2003	4059	5747	713	1435
3	1931 Regional Report Surplus Deficit	794	223	2174	1126	1552	-428	-2274	-1266	1727	2853	1368	6812	1439	764
4	1932 Regional Report Surplus Deficit	-415	-1143	2254	955	679	-300	-2409	-1120	5178	6283	5852	7722	5481	1905
5	1933 Regional Report Surplus Deficit	1682	1676	3183	2003	1086	1129	1345	3953	5249	5212	4634	7117	5721	3321
6	1934 Regional Report Surplus Deficit	2012	2664	3300	3492	4937	3613	3938	5144	6355	6053	5546	6988	3815	1372
7	1935 Regional Report Surplus Deficit	467	166	1887	1710	908	831	1604	3487	5391	4301	4202	7328	4552	2414
8	1936 Regional Report Surplus Deficit	1935	1404	2529	1151	1231	-329	-1352	-438	2717	3517	5855	8151	5447	1399
9	1937 Regional Report Surplus Deficit	1039	436	2490	1064	1506	-408	-1747	-1190	1767	1720	893	6768	2979	799
10	1938 Regional Report Surplus Deficit	1165	372	2486	1382	916	1302	1517	2875	5314	6224	6140	7585	5349	2277
11	1939 Regional Report Surplus Deficit	1478	796	2890	2113	1281	116	469	1365	3761	5032	5040	7817	2716	1034
12	1940 Regional Report Surplus Deficit	166	-214	2345	1691	1719	942	193	500	6280	5353	4452	7671	3218	882
13	1941 Regional Report Surplus Deficit	261	-594	2117	1564	782	802	-959	346	2565	1944	2596	6345	2297	807
14	1942 Regional Report Surplus Deficit	83.7	-624	2053	1723	2264	1354	1128	2115	4211	3360	4651	6987	4774	2680
15	1943 Regional Report Surplus Deficit	1565	1178	3794	2120	937	834	2050	4379	5909	6705	6592	7466	5665	2301
16	1944 Regional Report Surplus Deficit	1875	1652	2893	1125	1380	64.3	-699	334	2123	908	3622	4276	-197	-427
17	1945 Regional Report Surplus Deficit	-792	-1726	1609	759	891	-769	-1681	32.0	2170	1024	485	7676	5202	396
18	1946 Regional Report Surplus Deficit	1346	860	2688	1281	1221	1213	1277	2756	5517	6206	6172	7580	5475	2690
19	1947 Regional Report Surplus Deficit	2119	2079	3267	1618	1733	3385	3223	4990	6339	5733	5153	7570	5317	2653
20	1948 Regional Report Surplus Deficit	1506	804	2997	6070	4195	2115	3327	4086	5233	5719	5846	7963	5240	3184
21	1949 Regional Report Surplus Deficit	1999	2701	5244	2185	1579	703	1513	1745	6204	6250	6055	7820	5382	428
22	1950 Regional Report Surplus Deficit	616	242	2494	1271	1346	780	3318	4181	6192	6516	5679	7154	5462	3050
23	1951 Regional Report Surplus Deficit	2157	2788	3581	3587	4815	3616	3853	5512	6405	6653	5818	7525	5196	3014
24	1952 Regional Report Surplus Deficit	2098	2634	3482	5526	3113	2160	2902	4807	5668	6630	6462	7894	5652	2395
25	1953 Regional Report Surplus Deficit	1445	1068	2700	995	931	-251	1180	2848	5156	4531	4794	7670	5804	3076
26	1954 Regional Report Surplus Deficit	1779	1855	3292	1938	1943	1613	2911	4716	6055	6074	5379	7469	5351	3640
27	1955 Regional Report Surplus Deficit	2294	2743	7332	2266	3272	1069	392	955	2610	3460	4134	7090	5714	3802
28	1956 Regional Report Surplus Deficit	2017	2444	2997	2530	4050	3415	3873	4851	5660	5961	6014	7583	5921	3290
29	1957 Regional Report Surplus Deficit	2173	2785	3362	2502	1565	1804	1562	2383	5458	6778	5234	8221	5655	2371
30	1958 Regional Report Surplus Deficit	1998	1675	2867	1852	1645	663	2055	3042	5632	5832	5795	7855	5565	1939
31	1959 Regional Report Surplus Deficit	1050	1292	2764	2154	2417	2917	3927	5119	6087	6406	5272	7272	5399	2481
32	1960 Regional Report Surplus Deficit	2130	2681	7126	6522	5006	2675	2517	3128	5460	6612	5728	7506	5328	2214
33	1961 Regional Report Surplus Deficit	1887	1138	2653	2022	1507	917	2355	3458	6195	6050	4482	7228	5137	1986
34	1962 Regional Report Surplus Deficit	1800	1364	2576	1173	1505	373	1596	3125	4513	6424	5925	7583	5392	742
35	1963 Regional Report Surplus Deficit	1664	1096	2620	2400	2861	2578	2251	3880	5186	4438	4517	8025	5086	2297
36	1964 Regional Report Surplus Deficit	1670	1210	3314	1644	1188	924	725	1447	3478	6222	4489	7291	5867	3622
37	1965 Regional Report Surplus Deficit	2066	2614	4664	3460	2683	3363	3650	5065	5911	5588	6046	7389	5103	2744
38	1966 Regional Report Surplus Deficit	2191	2746	2947	2471	2175	1202	1531	2332	4312	6492	5234	7251	4645	2273
39	1967 Regional Report Surplus Deficit	1639	1140	2820	1077	1215	1207	3371	4821	6109	4962	1797	7257	5426	3046
40	1968 Regional Report Surplus Deficit	2037	2293	3229	2126	2310	1273	2671	4088	6258	3969	3393	6841	5180	2551
41	1969 Regional Report Surplus Deficit	1922	2273	5610	3863	4213	2160	3629	4785	5793	6248	5833	7845	5573	2691
42	1970 Regional Report Surplus Deficit	2033	1784	3015	2041	1906	521	1658	3745	5270	5416	3131	7691	5543	2063
43	1971 Regional Report Surplus Deficit	966	665	2774	1155	1552	755	3641	5097	6542	6367	5591	7706	5851	3720
44	1972 Regional Report Surplus Deficit	2470	2894	4561	2704	1959	1592	3385	4392	6153	6612	5628	7680	5566	3500
45	1973 Regional Report Surplus Deficit	2240	2680	5702	2564	1997	1333	1911	2032	2639	413	2812	6462	3014	945
46	1974 Regional Report Surplus Deficit	653	-394	2291	1330	1105	2377	3826	5039	5871	5851	5832	7030	5482	3986
47	1975 Regional Report Surplus Deficit	2286	2720	5247	1660	1706	855	1479	3650	5927	4440	4485	7595	5729	4170
48	1976 Regional Report Surplus Deficit	2165	2671	4261	4232	4718	3922	3853	5220	6322	6427	5710	7660	5511	3350
49	1977 Regional Report Surplus Deficit	2441	2855	7236	2657	1785	-71.9	-991	565	2486	584	3004	4279	-1707	227
50	1978 Regional Report Surplus Deficit	-455	-1039	2303	685	751	1813	1755	3277	5072	6191	5342	7647	4589	2755
51	1979 Regional Report Surplus Deficit	1646	1141	4470	2684	1827	513	786	1046	5094	4110	4704	7952	3721	227
52	1980 Regional Report Surplus Deficit	-177	-16.7	2596	1765	1317	-39.4	458	1402	2810	5394	5597	8225	5227	1393
53	1981 Regional Report Surplus Deficit	801	111	2862	1969	1487	2929	3026	4469	5420	2417	4737	7489	5416	2628
54	1982 Regional Report Surplus Deficit	1711	2486	4003	2048	2125	1762	3098	4833	6472	6473	5309	7283	5565	3251

Regional Report Surplus Deficit By Water Year

Operating Year 2023

2012 White Book Report Date: **10/19/2012** *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	2255	2768	6562	3968	2482	2150	3523	4718	6433	6487	4965	7440	5428	3285
56	1984 Regional Report Surplus Deficit	1933	2860	4535	2350	5124	2127	2909	4848	6443	6609	5590	7618	5900	3260
57	1985 Regional Report Surplus Deficit	2354	2531	3917	2520	2451	1255	1069	2177	4552	6161	5474	7599	4531	-578
58	1986 Regional Report Surplus Deficit	-363	-531	2703	3576	4049	817	2326	4640	6544	6195	5583	7471	5166	1911
59	1987 Regional Report Surplus Deficit	1422	572	2729	1468	1547	1414	857	1059	4451	3523	4243	7344	3871	664
60	1988 Regional Report Surplus Deficit	-306	-729	2374	1001	668	-291	-1384	-971	2187	2636	4427	7051	3018	1594
61	1989 Regional Report Surplus Deficit	886	-91.8	2385	1067	911	824	-555	-190	4441	6276	5674	7526	4653	346
62	1990 Regional Report Surplus Deficit	286	183	2629	1187	2299	1234	1976	3868	5777	5517	6205	7344	5337	2114
63	1991 Regional Report Surplus Deficit	1921	1906	2794	910	4372	2196	2766	4814	5748	6071	4799	7292	5114	2839
64	1992 Regional Report Surplus Deficit	1988	2549	2901	938	1409	181	122	945	3949	2178	3023	6271	1317	-254
65	1993 Regional Report Surplus Deficit	-684	-1128	1907	1160	943	76.1	-1916	-1233	3554	3284	4311	7264	5062	1800
66	1994 Regional Report Surplus Deficit	1391	802	2288	992	1782	-70.9	-1237	-62.7	2105	1742	4196	7006	3879	1298
67	1995 Regional Report Surplus Deficit	391	-499	2178	820	752	280	14.2	3385	6211	4621	3906	7792	5470	2342
68	1996 Regional Report Surplus Deficit	1614	1340	3223	3953	4910	3409	3663	5393	6601	6730	6639	7750	5486	3326
69	1997 Regional Report Surplus Deficit	2129	2658	3116	1805	2006	2093	3928	4985	6367	6095	6261	7371	5513	3571
70	1998 Regional Report Surplus Deficit	2381	2907	6602	6458	4148	1969	1758	2880	4806	4488	4910	7846	5722	2665
71	1999 Regional Report Surplus Deficit	1846	1603	3029	1742	1135	1714	3646	4709	6242	5953	5596	7508	5887	3632
72	2000 Regional Report Surplus Deficit	2585	3103	5077	2296	4869	2659	2318	3517	5798	6722	6099	7489	5017	2314
73	2001 Regional Report Surplus Deficit	2064	572	2799	1776	1413	-85.2	-1038	190	2507	1030	3534	5695	-2453	-419
74	2002 Regional Report Surplus Deficit	-949	-1352	2071	-27.3	715	275	-623	907	3146	5590	5640	7227	5280	2971
75	2003 Regional Report Surplus Deficit	2045	1424	2699	421	1483	-84.7	-746	285	5401	5499	4861	7266	5382	463
76	2004 Regional Report Surplus Deficit	-442	-545	2391	1449	1275	1226	-85.9	-19.4	4246	4447	4289	7437	4576	916
77	2005 Regional Report Surplus Deficit	80.7	93.7	4227	1886	1434	1147	921	2136	3831	1553	4063	7370	4830	1258
78	2006 Regional Report Surplus Deficit	1197	85.6	2255	962	1311	773	1897	4745	5728	6409	5913	7829	5564	1991
79	2007 Regional Report Surplus Deficit	1243	469	2597	761	2174	809	2081	2262	6640	5917	4996	7432	4442	2393
80	2008 Regional Report Surplus Deficit	1374	201	2418	1333	998	309	15.2	1010	3740	4524	2707	7386	5864	2852
	Ranked Averages														
81	**Bottom 10 pct**	**-551**	**-1024**	**2202**	**1195**	**1246**	**356**	**-502**	**689**	**4012**	**4456**	**4491**	**7437**	**4797**	**1781**
82	**Middle 80 pct**	**1471**	**1265**	**3120**	**2035**	**2059**	**1293**	**1647**	**2920**	**4985**	**4936**	**4842**	**7323**	**4659**	**2068**
83	**Top 10 pct**	**2383**	**2815**	**5817**	**3066**	**2834**	**1435**	**1617**	**2857**	**4846**	**4869**	**4837**	**7127**	**4500**	**2423**

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BONNEVILLE POWER ADMINISTRATION
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